

**Summary of Chemistry Results
Zone I1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-October 2022 from Residences in Zone I1

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:		I1-BASS1148		I1-BEAR1400		I1-CONI1731		I1-CONI1745		I1-COWS1613		I1-COWS1636		I1-COWS1640		
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence		
		Address:		1148 Basswood Place		1400 Bear Circle		1731 Conifer Place		1745 Conifer Place		1613 Cowslip Lane		1636 Cowslip Lane		1640 Cowslip Lane		
		Field Sample ID:		I1-TW-0014043-22135 -3-A	I1-TW-0014043-22135 -A	I1-TW-0014049-22135 -A	I1-TW-0014065-22135 -A	I1-TW-0014069-22135 -A	I1-TW-0014078-22135 -A	I1-TW-0014080-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	I1-TW-0014081-22135 -A	
		Sample Date:		2022-07-28	2022-07-28	2022-07-28	2022-09-28	2022-07-28	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-06-23	2022-06-23	
		Sample Type:		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	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	390	390	530	250	490	360	230	340							
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND							
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	58.6	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	ND							
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND	58.6	ND	ND							
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND							
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.640	ND	ND							
	Barium	2000	MCL	3.70	4.00	3.70	3.70	4.10	3.70	4.00	3.90							
	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	1.00	1.30	1.20	1.80	1.10	0.920	0.890	0.800							
	Copper	1300	MCL	2.90	4.70	3.30	1.90	6.60	1.80	7.50	2.40							
	Lead	15	MCL	0.320	0.880	0.140	ND	0.250	0.380	0.950	0.200							
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND							
	Selenium	50	MCL	0.630	1.00	0.580	ND	0.860	1.70	1.10	1.30							
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND								
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND							
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND							
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND							
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND							
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND							
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND							
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND							
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND							

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		Location ID:		I1-BASS1148		I1-BEAR1400		I1-CONI1731		I1-CONI1745		I1-COWS1613		I1-COWS1636		I1-COWS1640		
		Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence		
		Address:		1148 Basswood Place		1400 Bear Circle		1731 Conifer Place		1745 Conifer Place		1613 Cowslip Lane		1636 Cowslip Lane		1640 Cowslip Lane		
		Field Sample ID:		I1-TW-0014043-22135 -3-A		I1-TW-0014043-22135 -A		I1-TW-0014049-22135 -A		I1-TW-0014065-22135 -A		I1-TW-0014069-22135 -A		I1-TW-0014078-22135 -A		I1-TW-0014080-22135 -A		
		Sample Date:		2022-07-28		2022-07-28		2022-07-28		2022-09-28		2022-07-28		2022-06-23		2022-06-23		
		Sample Type:		FD (Field Duplicate)		N (Normal)		N (Normal)		N (Normal)		N (Normal)		N (Normal)		N (Normal)		
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level															
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromoacetic acid	--	--	1.70	1.70	1.90	1.20	1.80	1.80	1.80	1.90	1.80	1.90	1.80	1.80	1.80	1.80	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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		Location Type:		Residence		Residence		Residence		Residence	
		Address:		1148 Basswood Place		1400 Bear Circle		1731 Conifer Place		1745 Conifer Place	
		Field Sample ID:		I1-TW-0014043-22135 -3-A	I1-TW-0014043-22135 -A	I1-TW-0014049-22135 -A	I1-TW-0014065-22135 -A	I1-TW-0014069-22135 -A	I1-TW-0014078-22135 -A	I1-TW-0014080-22135 -A	I1-TW-0014081-22135 -A
		Sample Date:		2022-07-28	2022-07-28	2022-07-28	2022-09-28	2022-07-28	2022-06-23	2022-06-23	2022-06-23
		Sample Type:		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.70	1.70	1.90	1.20	1.80	1.80	1.90	1.80
Trihalomethanes (ppb)	Bromodichloromethane	--	--	1.10	1.10	1.20	0.740	1.10	1.20	1.40	1.20
	Bromoform	--	--	9.80	10.4	13.0	6.90	11.8	8.20	26.5	8.40
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	4.70	4.60	5.60	3.70	4.90	4.60	8.10	4.70
	Total Trihalomethanes	80	MCL	15.6	16.1	19.8	11.3	17.8	14.0	36.0	14.3

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		Location ID:	I1-HUDS1205	I1-HUDS1270	I1-MADR1840	I1-PAPA1804	I1-PAPA1810	I1-SWEE1707	I1-TAMP1693	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1205 Hudson Circle	1270 Hudson Way	1840 Madrona Place	1804 Papaw Place	1810 Papaw Place	1707 Sweetgum Place	1693 Tampa Drive	
		Field Sample ID:	I1-TW-0014092-22135 -A	I1-TW-0014102-22135 -A	I1-TW-0014114-22135 -A	I1-TW-0014117-22135 -A	I1-TW-0011949-22135 -A	I1-TW-0014123-22135 -A	I1-TW-0014038-22135 -A	
		Sample Date:	2022-08-03	2022-07-27	2022-08-05	2022-07-29	2022-09-29	2022-09-28	2022-07-28	
		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	I1-HUDS1205	I1-HUDS1270	I1-MADR1840	I1-PAPA1804	I1-PAPA1810	I1-SWEE1707	I1-TAMP1693
Field Test (ppb)	Free Chlorine	4000	MCL	360	280	250	330	320	170	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.3	ND	65.8	ND	95.0	ND	ND
	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	61.3	ND	65.8	ND	95.0	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.80	3.90	4.10	3.70	3.70	3.80	3.70
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.30	1.30	1.10	1.90	1.80	1.10
	Copper	1300	MCL	1.50	3.00	5.40	1.90	2.20	1.70	1.60
	Lead	15	MCL	0.250	0.340	0.310	0.370	0.180	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.630	0.810	0.330	0.680	ND	ND	0.490
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	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	ND	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
	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

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		Location ID:	I1-HUDS1205	I1-HUDS1270	I1-MADR1840	I1-PAPA1804	I1-PAPA1810	I1-SWEE1707	I1-TAMP1693
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	1205 Hudson Circle	1270 Hudson Way	1840 Madrona Place	1804 Papaw Place	1810 Papaw Place	1707 Sweetgum Place	1693 Tampa Drive
		Field Sample ID:	I1-TW-0014092-22135 -A	I1-TW-0014102-22135 -A	I1-TW-0014114-22135 -A	I1-TW-0014117-22135 -A	I1-TW-0011949-22135 -A	I1-TW-0014123-22135 -A	I1-TW-0014038-22135 -A
		Sample Date:	2022-08-03	2022-07-27	2022-08-05	2022-07-29	2022-09-29	2022-09-28	2022-07-28
		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						
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND
	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	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	1.60	1.80	2.00	1.70	1.20	1.30
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	1205 Hudson Circle	1270 Hudson Way	1840 Madrona Place	1804 Papaw Place	1810 Papaw Place	1707 Sweetgum Place	1693 Tampa Drive	
		Field Sample ID:	I1-TW-0014092-22135 -A	I1-TW-0014102-22135 -A	I1-TW-0014114-22135 -A	I1-TW-0014117-22135 -A	I1-TW-0011949-22135 -A	I1-TW-0014123-22135 -A	I1-TW-0014038-22135 -A	
		Sample Date:	2022-08-03	2022-07-27	2022-08-05	2022-07-29	2022-09-29	2022-09-28	2022-07-28	
		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							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	1.60	1.80	2.00	1.70	1.20	1.30	1.60
Trihalomethanes (ppb)	Bromodichloromethane	--	--	1.10	0.970	1.10	1.10	0.750	0.770	1.00
	Bromoform	--	--	10.5	9.10	17.8	10.6	7.70	13.1	8.80
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	4.70	4.20	5.40	5.00	3.60	4.40	4.00
	Total Trihalomethanes	80	MCL	16.3	14.3	24.3	16.7	12.1	18.3	13.8

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Drinking Water Samples collected in June-October 2022 from Schools in Zone I1

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		Location ID:			I1-ALAK1265				
		Location Type:			School				
		Address:			1265 Ala Kula Place; Red Hill Elementary School				
		Field Sample ID:			I1-TW-0011966-22135 -A-1	I1-TW-0011966-22135 -A-2	I1-TW-0011966-22135 -A-3	I1-TW-0011966-22135 -A-4	I1-TW-0011966-22135 -A-5
		Sample Date:			2022-09-29	2022-09-29	2022-09-29	2022-09-29	2022-09-29
		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	170-310	170-310	170-310	170-310	170-310	170-310
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	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	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.350	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.70	3.60	3.60	3.50	3.50	3.50
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	1.80	1.90	1.90	1.90	1.90
	Copper	1300	MCL	13.6	29.1	22.2	45.5	33.0	33.0
	Lead	15	MCL	0.130	0.160	0.210	0.130	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	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

**Summary of Chemistry Results
Zone I1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-October 2022 from Schools in Zone I1

Notes:
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		Location ID:	I1-ALAK1265					
		Location Type:	School					
		Address:	1265 Ala Kula Place; Red Hill Elementary School					
		Field Sample ID:	I1-TW-0011966-22135 -A-1	I1-TW-0011966-22135 -A-2	I1-TW-0011966-22135 -A-3	I1-TW-0011966-22135 -A-4	I1-TW-0011966-22135 -A-5	
		Sample Date:	2022-09-29	2022-09-29	2022-09-29	2022-09-29	2022-09-29	
		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

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				Location ID: I1-ALAK1265				
				Location Type: School				
				Address: 1265 Ala Kula Place; Red Hill Elementary School				
				Field Sample ID: I1-TW-0011966-22135 -A-1 I1-TW-0011966-22135 -A-2 I1-TW-0011966-22135 -A-3 I1-TW-0011966-22135 -A-4 I1-TW-0011966-22135 -A-5				
				Sample Date: 2022-09-29 2022-09-29 2022-09-29 2022-09-29 2022-09-29				
				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	--	--	1.30	1.20	1.30	1.20	1.40
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.30	1.20	1.30	1.20	1.40
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.690	0.630	0.740	0.670	0.670
	Bromoform	--	--	7.00	5.70	6.90	5.90	6.00
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	3.40	3.00	3.50	3.10	3.30
	Total Trihalomethanes	80	MCL	11.1	9.33	11.1	9.67	9.97

**Summary of Chemistry Results
Zone I1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-October 2022 from Hydrants in Zone I1

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Location ID:	I1-HYD1324A
Location Type:	Hydrant
Address:	HYD-1324A
Field Sample ID:	I1-DL-0000642-22135-A
Sample Date:	2022-09-28
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	100
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	3.90
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	1.90
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
	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
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Location Type:	Hydrant
Address:	HYD-1324A
Field Sample ID:	I1-DL-0000642-22135-A
Sample Date:	2022-09-28
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	--	--
Chloroacetic acid		--	--	ND
Dibromoacetic acid		--	--	1.80
Dichloroacetic acid		--	--	ND
Trichloroacetic acid		--	--	ND
Total Haloacetic acids		60	MCL	1.80

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Address:	HYD-1324A
Field Sample ID:	I1-DL-0000642-22135-A
Sample Date:	2022-09-28
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.830
	Bromoform	--	--	16.0
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	3.80
	Total Trihalomethanes	80	MCL	20.6