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-December 2022 from Residences in Zone I1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
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§ - Exceeds Screening Level
-- = No Information Available
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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	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**									
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	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**								
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	--	--	1.70	1.70	1.90	1.20	1.80	1.80	1.90	1.80
	Dichloroacetic acid	--	--	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
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			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-LAUR1908	I1-MADR1840	I1-PAPA1804	I1-PAPA1810	I1-SWEE1707	I1-TAMP1693
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1205 Hudson Circle	1270 Hudson Way	1908 Laurel Place	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-0014106-22135-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	2022-11-04	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)	N (Normal)
Method Group	**Analyte**	**DOH Project Screening Level**	**Basis of Project Screening Level**									
Field Test (ppb)	Free Chlorine	4000	MCL		360	280	430	250	330	320	170	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP		ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--		61.3	ND	ND	65.8	ND	95.0	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		61.3	ND	ND	65.8	ND	95.0	ND	ND
Metals (ppb)	Antimony	6	MCL		ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL		ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL		3.80	3.90	6.80	4.10	3.70	3.70	3.80	3.70
	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		1.30	1.30	ND	1.30	1.10	1.90	1.80	1.10
	Copper	1300	MCL		1.50	3.00	3.10	5.40	1.90	2.20	1.70	1.60
	Lead	15	MCL		0.250	0.340	0.250	0.310	0.370	0.180	ND	ND
	Mercury	2	MCL		ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL		0.630	0.810	ND	0.330	0.680	ND	ND	0.490
	Thallium	2	MCL		ND	ND	0.0940	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-HUDS1205	I1-HUDS1270	I1-LAUR1908	I1-MADR1840	I1-PAPA1804	I1-PAPA1810	I1-SWEE1707	I1-TAMP1693
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	1205 Hudson Circle	1270 Hudson Way	1908 Laurel Place	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-0014106-22135-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	2022-11-04	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)	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	--	--		1.60	1.80	ND	2.00	1.70	1.20	1.30	1.60
	Dichloroacetic acid	--	--		ND	ND	ND	ND	ND	ND	ND	ND

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				Sample Date:	2022-08-03	2022-07-27	2022-11-04	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)	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		1.60	1.80	ND	2.00	1.70	1.20	1.30	1.60
Trihalomethanes (ppb)	Bromodichloromethane	--	--		1.10	0.970	ND	1.10	1.10	0.750	0.770	1.00
	Bromoform	--	--		10.5	9.10	0.780	17.8	10.6	7.70	13.1	8.80
	Chloroform	--	--		ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--		4.70	4.20	0.520	5.40	5.00	3.60	4.40	4.00
	Total Trihalomethanes	80	MCL		16.3	14.3	1.30	24.3	16.7	12.1	18.3	13.8

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-December 2022 from Schools in Zone I1

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

			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
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	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	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	0.350	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	3.70	3.60	3.60	3.50	3.50
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	1.80	1.90	1.90	1.90
	Copper	1300	MCL	13.6	29.1	22.2	45.5	33.0
	Lead	15	MCL	0.130	0.160	0.210	0.130	ND
	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 I1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 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

Summary of Chemistry Results
Zone I1 Long Term Monitoring
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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-December 2022 from Fire 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**		
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	

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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**		
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	--	--	1.80	
	Dichloroacetic acid	--	--	ND	
	Trichloroacetic acid	--	--	ND	
	Total Haloacetic acids	60	MCL	1.80	

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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**		
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.830	
	Bromoform	--	--	16.0	
	Chloroform	--	--	ND	
	Dibromochloromethane	--	--	3.80	
	Total Trihalomethanes	80	MCL	20.6	