

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Child Development Centers in Zone C1

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0679		C1-BLDG1655	
				Location ID:	Location Type:	Address:	Field Sample ID:
				C1-BLDG0679	Child Development Center	C1-BLDG1655	Child Development Center
				Building 679,NAVY EDUCATION CENTER		Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	
				C1-TW-0014654-22167-N-1	C1-TW-0014654-22167-N-2	C1-TW-0014751-22167-N-1	C1-TW-0014751-22167-N-2
				2022-08-22	2022-08-22	2022-08-22	2022-08-22
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
				240-280	240-280	400-540	400-540
Field Test (ppb)	Free Chlorine	4000	MCL	240-280	240-280	400-540	400-540
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	76.0	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	55.5	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	132	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	0.100
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.10	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	1.40	1.40	1.50	1.50
	Copper	1300	MCL	41.1	23.0	22.1	16.3
	Lead	15	MCL	ND	ND	ND	ND
	Mercury	2	MCL	0.0320	0.0350	0.0430	0.0350
	Selenium	50	MCL	0.330	ND	0.320	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	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG0679		C1-BLDG1655	
				Location ID:	Location Type:	Location ID:	Location Type:
				Building 679,NAVY EDUCATION CENTER	Child Development Center	Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	Child Development Center
				C1-TW-0014654-22167-N-1	C1-TW-0014654-22167-N-2	C1-TW-0014751-22167-N-1	C1-TW-0014751-22167-N-2
				2022-08-22	2022-08-22	2022-08-22	2022-08-22
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C1-BLDG0679		Location ID: C1-BLDG1655	
				Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location Type: Child Development Center		Location Type: Child Development Center	
				Address: Building 679,NAVY EDUCATION CENTER		Address: Building 1655,CHILD CARE CENTER-NAVAL STATION CDC, 915 North Rd	
				C1-TW-0014654-22167-N-1	C1-TW-0014654-22167-N-2	C1-TW-0014751-22167-N-1	C1-TW-0014751-22167-N-2
				2022-08-22	2022-08-22	2022-08-22	2022-08-22
				N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	0.540	0.830	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	0.360	ND	ND
	Total Trihalomethanes	80	MCL	0.850	1.19	ND	ND

**Summary of Chemistry Results
Zone C1 Long Term Monitoring
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Drinking Water Samples collected in June-December 2022 from Other Buildings Centers in Zone C1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG0475	C1-BLDG0584	C1-BLDG0665	C1-BLDG0683	C1-BLDG0709	C1-BLDG0711		C1-BLDG1262		
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Location Type:
				Non-Residence	Building 475, GENERAL WAREHOUSE DEPOT	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence		
						Building 584, CAREER INFORMATION CENTER, 2367 North Rd	Building 665, COMSUBPAC BLDG	Building 683, DIVING/PERISCO PE SHOP, B667 Waterfront St	Building 709, RMMCO ADMIN	Building 711, BEEMAN CENTER		Building 1262, SUBTRACENPA C BLDG		
					C1-TW-0014686-22167-N	C1-TW-0014693-22167-N	C1-TW-0014647-22167-N	C1-TW-0014657-22167-N	C1-TW-0014661-22167-N	C1-TW-0014662-22167-3-N	C1-TW-0014662-22167-N	C1-TW-0014711-22167-N		
					2022-07-15	2022-08-22	2022-07-13	2022-10-13	2022-07-15	2022-09-28	2022-09-28	2022-10-31		
					N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)		
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	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		

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Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone C1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG1407	C1-BLDG1514	C1-BLDG1535	C1-BLDG1663A	C1-BLDG1729	C1-BLDG1732	C1-BLDG1733	C1-BLDG1749
				Location Type:	Medical Building	Medical Building	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 1407, MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd	Building 1514, SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	Building 1535, MEDICAL CLINIC/SARP-PEARL HARBOR, B1535 North Road	Building 1663A, BATH HOUSE	Building 1729, NGIS - NAVY TDY (LOCKWOOD ANNEX B)	Building 1732, REGION FOOD SERVICE OFFICE	Building 1733, WAREHOUSE/A DMIN	Building 1749, WATERFRONT OPS SUPPORT BLDG
				Field Sample ID:	C1-TW-0014730-22167-N	C1-TW-0014738-22167-N	C1-TW-0014739-22167-N	C1-TW-0014752-22167-N	C1-TW-0014762-22167-N	C1-TW-0014765-22167-N	C1-TW-0014766-22167-N	C1-TW-0014771-22167-N
				Sample Date:	2022-08-22	2022-08-22	2022-08-22	2022-07-26	2022-07-26	2022-10-31	2022-07-15	2022-10-31
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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

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		Location ID:	C1-BLDG1407	C1-BLDG1514	C1-BLDG1535	C1-BLDG1663A	C1-BLDG1729	C1-BLDG1732	C1-BLDG1733	C1-BLDG1749	
		Location Type:	Medical Building	Medical Building	Medical Building	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 1407, MAKALAPA MEDICAL/DENTAL CLINIC-PEARL HARBOR, 1253 Makalapa Rd	Building 1514, SMART CLINIC/NAVY RELIEF-PEARL HARBOR, 1514 Makalapa Rd	Building 1535, MEDICAL CLINIC/SARP-PEARL HARBOR, B1535 North Road	Building 1663A, BATH HOUSE	Building 1729, NGIS - NAVY TDY (LOCKWOOD ANNEX B)	Building 1732, REGION FOOD SERVICE OFFICE	Building 1733, WAREHOUSE/A DMIN	Building 1749, WATERFRONT OPS SUPPORT BLDG	
		Field Sample ID:	C1-TW-0014730-22167-N	C1-TW-0014738-22167-N	C1-TW-0014739-22167-N	C1-TW-0014752-22167-N	C1-TW-0014762-22167-N	C1-TW-0014765-22167-N	C1-TW-0014766-22167-N	C1-TW-0014771-22167-N	
		Sample Date:	2022-08-22	2022-08-22	2022-08-22	2022-07-26	2022-07-26	2022-10-31	2022-07-15	2022-10-31	
		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	C1-BLDG1407	C1-BLDG1514	C1-BLDG1535	C1-BLDG1663A	C1-BLDG1729	C1-BLDG1732	C1-BLDG1733	C1-BLDG1749
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	1.30	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	1.30	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.260	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	5.60	3.10	ND	ND	ND	ND	0.870	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.610	1.10	ND	ND	ND	ND	0.780	ND
	Total Trihalomethanes	80	MCL	6.21	4.46	ND	ND	ND	ND	1.65	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: C1-BLDG2188		Location ID: C1-BLDG659A	
				Location Type: Non-Residence	Address: Building 2188, OFFICE/ REC CTR BQ 1367/1368	Location Type: Non-Residence	Address: Building 659A, COMSUBPAC ADMIN OFFICE
				Field Sample ID: C1-TW-0014789-22167-N	Field Sample ID: C1-TW-0014618-22167-N	Sample Date: 2022-10-31	Sample Date: 2022-08-22
				Sample Type: N (Normal)	Sample Type: N (Normal)		
Field Test (ppb)	Free Chlorine	4000	MCL	630	450		
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND		
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.8	60.2		
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND		
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND		
	Petroleum Hydrocarbons, Total	266	ISP	53.8	60.2		
Metals (ppb)	Antimony	6	MCL	ND	ND		
	Arsenic	10	MCL	4.40	ND		
	Barium	2000	MCL	4.00	2.30		
	Beryllium	4	MCL	0.280	ND		
	Cadmium	5	MCL	ND	ND		
	Chromium	100	MCL	2.10	1.40		
	Copper	1300	MCL	8.20	42.2		
	Lead	15	MCL	0.420	ND		
	Mercury	2	MCL	0.0670	0.0350		
	Selenium	50	MCL	6.90	0.330		
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.110	ND		
	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	0.670	ND		
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND		
	1,1,1-Trichloroethane	--	--	ND	ND		
	1,1,2-Trichloroethane	5	MCL	ND	ND		

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	C1-BLDG2188	C1-BLDG659A
				Location Type:	Non-Residence	Non-Residence
				Address:	Building 2188,OFFICE/ REC CTR BQ 1367/1368	Building 659A,COMSUBPAC ADMIN OFFICE
				Field Sample ID:	C1-TW-0014789- 22167-N	C1-TW-0014618- 22167-N
				Sample Date:	2022-10-31	2022-08-22
				Sample Type:	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	
	1,2-Dichlorobenzene	600	MCL	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	
	1,2-Dichloropropane	5	MCL	ND	ND	
	1,4-Dichlorobenzene	75	MCL	ND	ND	
	Benzene	5	MCL	ND	ND	
	Carbon Tetrachloride	5	MCL	ND	ND	
	Chlorobenzene	100	MCL	ND	ND	
	cis-1,2-Dichloroethene	70	MCL	ND	ND	
	Ethylbenzene	700	MCL	ND	ND	
	m,p-Xylene	--	--	ND	ND	
	Methylene chloride	5	MCL	ND	ND	
	o-Xylene	--	--	ND	ND	
	Styrene	100	MCL	ND	ND	
	Tetrachloroethene (PCE)	5	MCL	ND	ND	
	Toluene	1000	MCL	ND	ND	
	trans-1,2-Dichloroethene	100	MCL	ND	ND	
	Trichloroethene (TCE)	5	MCL	ND	ND	
Vinyl chloride	2	MCL	ND	ND		
Xylenes, Total	10000	MCL	ND	ND		
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	
	Chloroacetic acid	--	--	ND	ND	

**Summary of Chemistry Results
 Zone C1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone C1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
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Location ID:	C1-BLDG2188	C1-BLDG659A
Location Type:	Non-Residence	Non-Residence
Address:	Building 2188,OFFICE/ REC CTR BQ 1367/1368	Building 659A,COMSUBPAC ADMIN OFFICE
Field Sample ID:	C1-TW-0014789- 22167-N	C1-TW-0014618- 22167-N
Sample Date:	2022-10-31	2022-08-22
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-BLDG2188	C1-BLDG659A
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	0.280
	Bromoform	--	--	0.270	1.00
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	0.690
	Total Trihalomethanes	80	MCL	0.270	1.97

Summary of Chemistry Results
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N (Grab, Resample) = Additional follow-up sample

		Location ID: C1-HYD1183		C1-HYD1765		C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817		
		Location Type: Hydrant		Hydrant		Hydrant	Hydrant	Hydrant	Hydrant		
		Address: FH ID: 512		FH ID: FH 503		FHID: 563	FHID: 479	FHID: 413	FHID: 530A		
		Field Sample ID: C1-DL-0000531-22167	C1-DL-0000531-22167	C1-DL-0000526-22167	C1-DL-0000526-22167	C1-DL-0017789-22167	C1-DL-0017791-22167	C1-DL-0017788-22167	C1-DL-0017790-22167		
		-3-N	-N	-3-N	-N	-N	-N	-N	-N		
		Sample Date: 2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22		
		Sample Type: FD (Field Duplicate)	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	130	130	450	450	480	390	230	170
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	57.6	ND	ND	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	57.6	ND	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	ND	ND
	Barium	2000	MCL	5.30	5.40	1.90	1.90	2.00	2.00	4.00	3.60
	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	1.40	1.40	1.50	1.50	1.30	1.40	1.30	1.50
	Mercury	2	MCL	ND	ND	ND	0.0370	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	0.360	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results
Zone C1 Long Term Monitoring
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		Location ID:	C1-HYD1183		C1-HYD1765		C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817
		Location Type:	Hydrant		Hydrant		Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: 512		FH ID: FH 503		FHID: 563	FHID: 479	FHID: 413	FHID: 530A
		Field Sample ID:	C1-DL-0000531-22167 -3-N	C1-DL-0000531-22167 -N	C1-DL-0000526-22167 -3-N	C1-DL-0000526-22167 -N	C1-DL-0017789-22167 -N	C1-DL-0017791-22167 -N	C1-DL-0017788-22167 -N	C1-DL-0017790-22167 -N
		Sample Date:	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22
		Sample Type:	FD (Field Duplicate)	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-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
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	ND	ND	ND	0.700	0.570
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	0.700	0.570

**Summary of Chemistry Results
Zone C1 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 C1

Notes:
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N (Normal) = Full compliance sample
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	C1-HYD1183		C1-HYD1765		C1-HYD1769	C1-HYD354	C1-HYD444	C1-HYD817
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Hydrant	Hydrant
				FH ID: 512		FH ID: FH 503		FHID: 563	FHID: 479	FHID: 413	FHID: 530A
				C1-DL-0000531-22167-3-N	C1-DL-0000531-22167-N	C1-DL-0000526-22167-3-N	C1-DL-0000526-22167-N	C1-DL-0017789-22167-N	C1-DL-0017791-22167-N	C1-DL-0017788-22167-N	C1-DL-0017790-22167-N
				2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22	2022-08-22
				FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				0.590	0.570	ND	ND	ND	ND	0.790	0.460
	Bromodichloromethane	--	--	2.30	2.10	ND	ND	ND	0.440	4.10	3.80
	Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	1.30	1.30	ND	ND	ND	ND	2.40	1.50
	Dibromochloromethane	--	--	4.19	3.97	ND	ND	ND	0.440	7.29	5.76
	Total Trihalomethanes	80	MCL								