

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

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:	F1-ASHE4015	F1-BENN5520	F1-BENN5531	F1-BENN5571	F1-BENN5573	F1-BENN5578	F1-BENN5581	F1-BENN5592	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4015 Asher Court	5520 Bennion Drive	5531 Bennion Drive	5571 Bennion Drive	5573 Bennion Drive	5578 Bennion Drive	5581 Bennion Drive	5592 Bennion Drive	
		Field Sample ID:	F1-TW-0008952-22100-N	F1-TW-0008715-22100-N	F1-TW-0008593-22100-N	F1-TW-0008612-22100-N	F1-TW-0008614-22100-N	F1-TW-0008686-22100-N	F1-TW-0008689-22100-N	F1-TW-0008698-22100-N	
		Sample Date:	2022-04-20	2022-04-18	2022-04-29	2022-04-19	2022-04-15	2022-04-20	2022-04-20	2022-04-20	
		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	210	490	40.0	260	590	250	450	470
Field Test (ppb)	Free Chlorine	4000	MCL	210	490	40.0	260	590	250	450	470
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	ND	ND	59.0
	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	59.0
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	0.120	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.20	2.00	2.00	2.00	2.00	2.00	2.00	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	1.10	0.870	1.30	1.10	0.970	0.960	1.10	0.930
	Copper	1300	MCL	29.7	37.7	39.4	74.5	36.8	94.1	54.7	52.2
	Lead	15	MCL	ND	0.150	ND	1.20	0.350	2.00	ND	1.10
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.540	ND	ND	0.840	ND	0.440	0.300	0.300
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:	F1-ASHE4015	F1-BENN5520	F1-BENN5531	F1-BENN5571	F1-BENN5573	F1-BENN5578	F1-BENN5581	F1-BENN5592
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4015 Asher Court	5520 Bennion Drive	5531 Bennion Drive	5571 Bennion Drive	5573 Bennion Drive	5578 Bennion Drive	5581 Bennion Drive	5592 Bennion Drive
		Field Sample ID:	F1-TW-0008952-22100-N	F1-TW-0008715-22100-N	F1-TW-0008593-22100-N	F1-TW-0008612-22100-N	F1-TW-0008614-22100-N	F1-TW-0008686-22100-N	F1-TW-0008689-22100-N	F1-TW-0008698-22100-N
		Sample Date:	2022-04-20	2022-04-18	2022-04-29	2022-04-19	2022-04-15	2022-04-20	2022-04-20	2022-04-20
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4015 Asher Court	5520 Bennion Drive	5531 Bennion Drive	5571 Bennion Drive	5573 Bennion Drive	5578 Bennion Drive	5581 Bennion Drive	5592 Bennion Drive
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		Sample Date:	2022-04-20	2022-04-18	2022-04-29	2022-04-19	2022-04-15	2022-04-20	2022-04-20	2022-04-20
		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	--	--	1.50	ND	0.760	ND	0.540	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.50	ND	0.760	ND	0.540	ND	ND

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		Location ID:	F1-BENN5635		F1-CAKO4503	F1-CLAR4417	F1-CLAR4425	F1-CLAR4426	F1-FUQU5208	F1-FUQU5211	
		Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5635 Bennion Court		4503 Cakon Place	4417 Clarey Boulevard	4425 Clarey Boulevard	4426 Clarey Boulevard	5208 Fuqua Lane	5211 Fuqua Lane	
		Field Sample ID:	F1-TW-0008722-22100-3-N	F1-TW-0008722-22100-N	F1-TW-0008726-22100-N	F1-TW-0009187-22100-N	F1-TW-0009195-22100-N	F1-TW-0009196-22100-N	F1-TW-0009220-22100-N	F1-TW-0008742-22100-N	
		Sample Date:	2022-04-20	2022-04-20	2022-04-29	2022-04-29	2022-04-19	2022-04-19	2022-04-20	2022-04-19	
		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	240	240	450	270	260	120	300	30.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	59.8	57.6	ND	ND	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	211	ISP	59.8	57.6	ND	ND	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	2.00	2.00	2.00	2.00	2.00	2.00	2.00	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	1.00	0.960	1.30	1.30	0.910	0.940	0.940	0.910
	Copper	1300	MCL	41.3	39.4	26.9	16.3	58.8	71.7	61.6	50.1
	Lead	15	MCL	ND	ND	ND	ND	ND	0.210	0.180	0.270
	Mercury	2	MCL	ND	ND	0.0260	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.350	0.520	ND	ND	0.930	0.780	0.410	0.650
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	0.0770	0.100	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: F1-BENN5635		F1-CAKO4503	F1-CLAR4417	F1-CLAR4425	F1-CLAR4426	F1-FUQU5208	F1-FUQU5211
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 5635 Bennion Court		4503 Cakon Place	4417 Clarey Boulevard	4425 Clarey Boulevard	4426 Clarey Boulevard	5208 Fuqua Lane	5211 Fuqua Lane
				Field Sample ID: F1-TW-0008722-22100-3-N	F1-TW-0008722-22100-N	F1-TW-0008726-22100-N	F1-TW-0009187-22100-N	F1-TW-0009195-22100-N	F1-TW-0009196-22100-N	F1-TW-0009220-22100-N	F1-TW-0008742-22100-N
				Sample Date: 2022-04-20	2022-04-20	2022-04-29	2022-04-29	2022-04-19	2022-04-19	2022-04-20	2022-04-19
				Sample Type: FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	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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				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence
				5635 Bennion Court	4503 Cakon Place	4417 Clarey Boulevard	4425 Clarey Boulevard	4426 Clarey Boulevard	5208 Fuqua Lane	5211 Fuqua Lane	
				F1-TW-0008722-22100-3-N	F1-TW-0008722-22100-N	F1-TW-0008726-22100-N	F1-TW-0009187-22100-N	F1-TW-0009195-22100-N	F1-TW-0009196-22100-N	F1-TW-0009220-22100-N	F1-TW-0008742-22100-N
				2022-04-20	2022-04-20	2022-04-29	2022-04-29	2022-04-19	2022-04-19	2022-04-20	2022-04-19
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				ND	ND	ND	ND	ND	ND	ND	ND
				60	MCL	ND	ND	ND	ND	ND	ND
				ND	ND	ND	ND	ND	ND	ND	ND
				ND	ND	ND	ND	ND	ND	ND	ND
				ND	ND	ND	ND	ND	ND	ND	ND
				80	MCL	ND	ND	ND	ND	ND	ND

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		Location ID:	F1-FUQU5213	F1-FUQU5222	F1-FUQU5300	F1-FUQU5303	F1-JONE4811	F1-KIDD5016	F1-KIDD5020	F1-MCMO5401	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5213 Fuqua Lane	5222 Fuqua Lane	5300 Fuqua Street	5303 Fuqua Street	4811 Jones Court	5016 Kidd Street	5020 Kidd Street	5401 McMorris Drive	
		Field Sample ID:	F1-TW-0008744-22100-N	F1-TW-0008752-22100-N	F1-TW-0008754-22100-N	F1-TW-0008757-22100-N	F1-TW-0008781-22100-N	F1-TW-0008820-22100-N	F1-TW-0008823-22100-N	F1-TW-0008833-22100-N	
		Sample Date:	2022-04-20	2022-04-19	2022-04-19	2022-04-29	2022-04-18	2022-04-19	2022-04-19	2022-04-19	
		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	210	160	490	350	320	410	430	220
Field Test (ppb)	Free Chlorine	4000	MCL	210	160	490	350	320	410	430	220
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	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	211	ISP	ND	ND	ND	ND	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	2.10	2.00	2.00	2.10	1.90	2.00	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	0.320	ND	ND	ND	ND
	Chromium	100	MCL	0.980	0.940	1.00	1.40	0.850	0.880	0.940	0.910
	Copper	1300	MCL	67.4	147	51.1	64.3	71.2	56.2	100	81.5
	Lead	15	MCL	1.30	ND	ND	9.70	0.680	0.200	0.250	ND
	Mercury	2	MCL	ND	ND	ND	0.0250	ND	ND	ND	ND
	Selenium	50	MCL	0.360	0.600	0.930	0.450	ND	0.840	0.830	0.840
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	5.30	0.560	1.80
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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

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N (Normal) = Full compliance sample
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		Location ID:	F1-FUQU5213	F1-FUQU5222	F1-FUQU5300	F1-FUQU5303	F1-JONE4811	F1-KIDD5016	F1-KIDD5020	F1-MCMO5401
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5213 Fuqua Lane	5222 Fuqua Lane	5300 Fuqua Street	5303 Fuqua Street	4811 Jones Court	5016 Kidd Street	5020 Kidd Street	5401 McMorris Drive
		Field Sample ID:	F1-TW-0008744-22100-N	F1-TW-0008752-22100-N	F1-TW-0008754-22100-N	F1-TW-0008757-22100-N	F1-TW-0008781-22100-N	F1-TW-0008820-22100-N	F1-TW-0008823-22100-N	F1-TW-0008833-22100-N
		Sample Date:	2022-04-20	2022-04-19	2022-04-19	2022-04-29	2022-04-18	2022-04-19	2022-04-19	2022-04-19
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	1.30	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
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		Location ID:	F1-FUQU5213	F1-FUQU5222	F1-FUQU5300	F1-FUQU5303	F1-JONE4811	F1-KIDD5016	F1-KIDD5020	F1-MCMO5401
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5213 Fuqua Lane	5222 Fuqua Lane	5300 Fuqua Street	5303 Fuqua Street	4811 Jones Court	5016 Kidd Street	5020 Kidd Street	5401 McMorris Drive
		Field Sample ID:	F1-TW-0008744-22100-N	F1-TW-0008752-22100-N	F1-TW-0008754-22100-N	F1-TW-0008757-22100-N	F1-TW-0008781-22100-N	F1-TW-0008820-22100-N	F1-TW-0008823-22100-N	F1-TW-0008833-22100-N
		Sample Date:	2022-04-20	2022-04-19	2022-04-19	2022-04-29	2022-04-18	2022-04-19	2022-04-19	2022-04-19
		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	1.30	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	0.760	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.630	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	1.40	ND	ND

**Summary of Chemistry Results
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		Location ID:	F1-MCMO5432	F1-MORE3114	F1-MORE3130	F1-MORE3308		F1-REEV4737	F1-REEV4768	F1-ROOD4131	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	5432 McMorris Drive	3114 Moreell Drive	3130 Moreell Drive	3308 Moreell Street		4737 Reeves Loop	4768 Reeves Loop	4131 Rood Court	
		Field Sample ID:	F1-TW-0008855-22100-N	F1-TW-0009003-22100-N	F1-TW-0009011-22100-N	F1-TW-0009034-22100-3-N	F1-TW-0009034-22100-N	F1-TW-0009083-22100-N	F1-TW-0009102-22100-N	F1-TW-0009118-22100-N	
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20	
		Sample Type:	N (Normal)	N (Normal)	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	470	320	100	90.0	90.0	390	240	280
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	ND	ND	54.6
	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	54.6
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	2.00	2.00	2.00	2.00	2.00	2.00	2.00	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	0.910	1.10	0.910	1.10	1.10	0.960	0.930	0.930
	Copper	1300	MCL	79.1	32.5	26.5	45.5	52.4	69.2	58.9	25.5
	Lead	15	MCL	ND	0.270	0.170	0.880	1.70	ND	ND	0.280
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.820	0.890	0.940	0.660	0.560	0.920	1.00	0.510
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	0.0330	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:	F1-MCMO5432	F1-MORE3114	F1-MORE3130	F1-MORE3308		F1-REEV4737	F1-REEV4768	F1-ROOD4131
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	5432 McMorris Drive	3114 Moreell Drive	3130 Moreell Drive	3308 Moreell Street		4737 Reeves Loop	4768 Reeves Loop	4131 Rood Court
		Field Sample ID:	F1-TW-0008855-22100-N	F1-TW-0009003-22100-N	F1-TW-0009011-22100-N	F1-TW-0009034-22100-3-N	F1-TW-0009034-22100-N	F1-TW-0009083-22100-N	F1-TW-0009102-22100-N	F1-TW-0009118-22100-N
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20
		Sample Type:	N (Normal)	N (Normal)	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)	1,2,4-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	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	5432 McMorris Drive	3114 Moreell Drive	3130 Moreell Drive	3308 Moreell Street		4737 Reeves Loop	4768 Reeves Loop	4131 Rood Court
		Field Sample ID:	F1-TW-0008855-22100-N	F1-TW-0009003-22100-N	F1-TW-0009011-22100-N	F1-TW-0009034-22100-3-N	F1-TW-0009034-22100-N	F1-TW-0009083-22100-N	F1-TW-0009102-22100-N	F1-TW-0009118-22100-N
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20
		Sample Type:	N (Normal)	N (Normal)	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)	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	--	--	5.20	ND	ND	ND	ND	ND	2.90
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.840	ND	ND	ND	ND	ND	1.60
	Total Trihalomethanes	80	MCL	6.00	ND	ND	ND	ND	ND	4.50

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		Location ID:	F1-ROSS4430	F1-SCOT4615	F1-TAYL3442		F1-TAYL3485	F1-TAYL3487	F1-TAYL3488	F1-THOM4209	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	4430 Ross Court	4615 Scott Loop	3442 Taylor Street		3485 Taylor Street	3487 Taylor Street	3488 Taylor Street	4209 Thomas Way	
		Field Sample ID:	F1-TW-0009124-22100-N	F1-TW-0009138-22100-N	F1-TW-0008550-22100-3-N	F1-TW-0008550-22100-N	F1-TW-0008579-22100-N	F1-TW-0008580-22100-N	F1-TW-0008581-22100-N	F1-TW-0008890-22100-N	
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20	2022-04-20	2022-04-19	2022-04-21	
		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	190	370	440	440	320	250	560	650
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	53.3	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	211	ISP	ND	ND	ND	ND	53.3	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	1.90	2.00	1.90	1.90	2.10	2.00	2.00	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	1.30	0.920	0.870	0.920	1.00	1.00	1.10	0.920
	Copper	1300	MCL	41.1	33.1	22.9	21.3	42.5	26.6	68.0	28.6
	Lead	15	MCL	0.450	0.240	0.130	0.140	ND	0.180	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.780	0.980	0.730	0.700	0.470	0.450	0.770	0.680
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	4.00	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				F1-ROSS4430	F1-SCOT4615	F1-TAYL3442		F1-TAYL3485	F1-TAYL3487	F1-TAYL3488	F1-THOM4209
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				4430 Ross Court	4615 Scott Loop	3442 Taylor Street		3485 Taylor Street	3487 Taylor Street	3488 Taylor Street	4209 Thomas Way
				F1-TW-0009124-22100-N	F1-TW-0009138-22100-N	F1-TW-0008550-22100-3-N	F1-TW-0008550-22100-N	F1-TW-0008579-22100-N	F1-TW-0008580-22100-N	F1-TW-0008581-22100-N	F1-TW-0008890-22100-N
				2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20	2022-04-20	2022-04-19	2022-04-21
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-ROSS4430	F1-SCOT4615	F1-TAYL3442		F1-TAYL3485	F1-TAYL3487	F1-TAYL3488	F1-THOM4209
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence
		Address:	4430 Ross Court	4615 Scott Loop	3442 Taylor Street		3485 Taylor Street	3487 Taylor Street	3488 Taylor Street	4209 Thomas Way
		Field Sample ID:	F1-TW-0009124-22100-N	F1-TW-0009138-22100-N	F1-TW-0008550-22100-3-N	F1-TW-0008550-22100-N	F1-TW-0008579-22100-N	F1-TW-0008580-22100-N	F1-TW-0008581-22100-N	F1-TW-0008890-22100-N
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-20	2022-04-20	2022-04-19	2022-04-21
		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							
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

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

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

		Location ID:		F1-WARD5127	
		Location Type:		Residence	
		Address:		5127 Warden Court	
		Field Sample ID:		F1-TW-0008944-22100-3-N	F1-TW-0008944-22100-N
		Sample Date:		2022-04-19	2022-04-19
		Sample Type:		FD (Field Duplicate)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Field Test (ppb)	Free Chlorine	4000	MCL	330	330
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	ND	ND
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	0.890	0.930
	Copper	1300	MCL	30.6	31.4
	Lead	15	MCL	0.180	0.180
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	0.980	0.820
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	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	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

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		Location ID:	F1-WARD5127		
		Location Type:	Residence		
		Address:	5127 Warden Court		
		Field Sample ID:	F1-TW-0008944-22100-3-N	F1-TW-0008944-22100-N	
		Sample Date:	2022-04-19	2022-04-19	
		Sample Type:	FD (Field Duplicate)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene	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
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND

**Summary of Chemistry Results
 Zone F1 Long Term Monitoring
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Residences in Zone F1

Notes:
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All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
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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:	F1-WARD5127	
Location Type:	Residence	
Address:	5127 Warden Court	
Field Sample ID:	F1-TW-0008944-22100-3-N	F1-TW-0008944-22100-N
Sample Date:	2022-04-19	2022-04-19
Sample Type:	FD (Field Duplicate)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	ND	ND
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Schools in Zone F1

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: F1-MOAN001					
				Location Type: School					
				Address: Pearl Harbor Elementary School 1 Moanalua Ridge, Honolulu, HI					
				Field Sample ID:	F1-TW-0017726-22100-N-1	F1-TW-0017726-22100-N-2	F1-TW-0017726-22100-N-3	F1-TW-0017726-22100-N-4	F1-TW-0017726-22100-N-5
				Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19
				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	160-490	160-490	160-490	160-490	160-490	
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	211	ISP	ND	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	
	Barium	2000	MCL	2.10	2.00	2.00	2.10	2.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	ND	
	Chromium	100	MCL	0.980	0.920	0.980	0.940	0.880	
	Copper	1300	MCL	164	15.8	56.4	96.1	18.7	
	Lead	15	MCL	0.950	0.240	0.680	0.280	0.360	
	Mercury	2	MCL	ND	ND	ND	ND	ND	
	Selenium	50	MCL	ND	0.770	0.850	1.00	0.780	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	0.0210	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	0.590	
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND		

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Schools in Zone F1

Notes:
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All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID: F1-MOAN001						
		Location Type: School						
		Address: Pearl Harbor Elementary School 1 Moanalua Ridge, Honolulu, HI						
		Field Sample ID:	F1-TW-0017726-22100-N-1	F1-TW-0017726-22100-N-2	F1-TW-0017726-22100-N-3	F1-TW-0017726-22100-N-4	F1-TW-0017726-22100-N-5	
		Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19	
		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)	1,1,2-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	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	

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Schools in Zone F1

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

				Location ID: F1-MOAN001					
				Location Type: School					
				Address: Pearl Harbor Elementary School 1 Moanalua Ridge, Honolulu, HI					
				Field Sample ID:	F1-TW-0017726-22100-N-1	F1-TW-0017726-22100-N-2	F1-TW-0017726-22100-N-3	F1-TW-0017726-22100-N-4	F1-TW-0017726-22100-N-5
				Sample Date:	2022-04-19	2022-04-19	2022-04-19	2022-04-19	2022-04-19
				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)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	
	Bromoform	--	--	ND	ND	ND	ND	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Child Development Centers in Zone F1

Notes:
ND = Not Detected
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N (Grab, Resample) = Additional follow-up sample

				Location ID: F1-BOUG4857					
				Location Type: Child Development Center					
				Address: Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu					
				Field Sample ID:	F1-TW-0014170-22100-N-1	F1-TW-0014170-22100-N-2	F1-TW-0014170-22100-N-4	F1-TW-0014170-22100-N-5	F1-TW-0014170-22100-N-6
				Sample Date:	2022-04-28	2022-04-28	2022-04-28	2022-04-28	2022-04-28
				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	480-560	480-560	480-560	480-560	480-560	480-560
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	211	ISP	ND	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.190
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	2.00	2.00	2.00	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.30	1.30	1.20	1.30	1.30
	Copper	1300	MCL	1.80	2.10	1.70	0.860	13.9	13.9
	Lead	15	MCL	ND	ND	ND	ND	ND	0.130
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.820	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND
	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	

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Child Development Centers in Zone F1

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

		Location ID: F1-BOUG4857						
		Location Type: Child Development Center						
		Address: Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu						
		Field Sample ID:	F1-TW-0014170-22100-N-1	F1-TW-0014170-22100-N-2	F1-TW-0014170-22100-N-4	F1-TW-0014170-22100-N-5	F1-TW-0014170-22100-N-6	
		Sample Date:	2022-04-28	2022-04-28	2022-04-28	2022-04-28	2022-04-28	
		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)	1,1,1-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	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Child Development Centers in Zone F1

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-- = No Information Available
N (Normal) = Full compliance sample
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				Location ID: F1-BOUG4857					
				Location Type: Child Development Center					
				Address: Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu					
				Field Sample ID:	F1-TW-0014170-22100-N-1	F1-TW-0014170-22100-N-2	F1-TW-0014170-22100-N-4	F1-TW-0014170-22100-N-5	F1-TW-0014170-22100-N-6
				Sample Date:	2022-04-28	2022-04-28	2022-04-28	2022-04-28	2022-04-28
				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)	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	--	--	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Other Buildings in Zone F1

Notes:
ND = Not Detected
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-BLDG0044		F1-BLDG0059	F1-BLDG1684	F1-BLDG2601	F1-BLDG2655		
				Location Type:	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Medical Building		
				Address:	Building 44,NAVSUP NAVFAC SUPPORT OFFICES		Building 59,PUBLIC TOILET-PWC COMP	Building 1684,NEX DIST CENTER-MOANALUA	Building 2601,CHEVRON GAS STATION MOA CTR	Building 2655,FOOD/SERVICE STORES		
				Field Sample ID:	F1-TW-0015365-22100-N	F1-TW-0015367-22100-3-N	F1-TW-0015367-22100-N	F1-TW-0015372-22100-N	F1-TW-0015341-22100-N	F1-TW-0015349-22100-N	F1-TW-0015332-22100-N-1	F1-TW-0015332-22100-N-2
				Sample Date:	2022-04-21	2022-04-21	2022-04-21	2022-04-20	2022-04-19	2022-04-21	2022-04-20	2022-04-19
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	20.0	170	170	390	470	600	450	440	
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	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	211	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.130	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	0.920	ND	ND	
	Barium	2000	MCL	4.50	2.10	2.10	2.40	2.10	2.00	2.00	2.00	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	0.0710	ND	ND	ND	ND	ND	
	Chromium	100	MCL	ND	1.10	1.10	0.950	0.880	1.10	1.10	0.880	
	Copper	1300	MCL	12.8	24.7	11.7	44.5	28.6	25.0	18.0	18.9	
	Lead	15	MCL	ND	0.490	0.530	0.130	ND	0.310	ND	ND	
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Selenium	50	MCL	0.340	0.590	0.460	0.470	0.730	0.540	0.440	0.830	
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	

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-BLDG0044		F1-BLDG0059	F1-BLDG1684	F1-BLDG2601	F1-BLDG2655		
				Location Type:	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Medical Building		
				Address:	Building 44,NAVSUP NAVFAC SUPPORT OFFICES		Building 59,PUBLIC TOILET-PWC COMP	Building 1684,NEX DIST CENTER-MOANALUA	Building 2601,CHEVRON GAS STATION MOA CTR	Building 2655,FOOD/SERVICE STORES		
				Field Sample ID:	F1-TW-0015365-22100-N	F1-TW-0015367-22100-3-N	F1-TW-0015367-22100-N	F1-TW-0015372-22100-N	F1-TW-0015341-22100-N	F1-TW-0015349-22100-N	F1-TW-0015332-22100-N-1	F1-TW-0015332-22100-N-2
				Sample Date:	2022-04-21	2022-04-21	2022-04-21	2022-04-20	2022-04-19	2022-04-21	2022-04-20	2022-04-19
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Other Buildings in Zone F1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-BLDG0044		F1-BLDG0059	F1-BLDG1684	F1-BLDG2601	F1-BLDG2655		
				Location Type:	Non-Residence		Non-Residence	Non-Residence	Non-Residence	Medical Building		
				Address:	Building 44,NAVSUP NAVFAC SUPPORT OFFICES		Building 59,PUBLIC TOILET-PWC COMP	Building 1684,NEX DIST CENTER-MOANALUA	Building 2601,CHEVRON GAS STATION MOA CTR	Building 2655,FOOD/SERVICE STORES		
				Field Sample ID:	F1-TW-0015365-22100-N	F1-TW-0015367-22100-3-N	F1-TW-0015367-22100-N	F1-TW-0015372-22100-N	F1-TW-0015341-22100-N	F1-TW-0015349-22100-N	F1-TW-0015332-22100-N-1	F1-TW-0015332-22100-N-2
				Sample Date:	2022-04-21	2022-04-21	2022-04-21	2022-04-20	2022-04-19	2022-04-21	2022-04-20	2022-04-19
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	0.630	ND	ND	ND	ND	ND	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	ND	ND	0.630	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone F1

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-- = 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:	F1-HYD009A	F1-HYD014A		F1-HYD017B	F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609	
		Location Type:	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
		Address:	FH ID: FH:9A	FH ID: FH:14A		FH ID: FH:17B	FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609	
		Field Sample ID:	F1-DL-0017719-22100 -N	F1-DL-0017720-22100 -3-N	F1-DL-0017720-22100 -N	F1-DL-0017721-22100 -N	F1-DL-0017722-22100 -N	F1-DL-0017723-22100 -N	F1-DL-0017724-22100 -N	F1-DL-0017725-22100 -N	
		Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	
		Sample Type:	N (Normal)	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								
Field Test (ppb)	Free Chlorine	4000	MCL	340	510	510	510	510	480	20.0	40.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	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	211	ISP	ND	ND	ND	ND	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	2.00	1.90	2.00	2.10	2.20	1.90	3.50	3.10
	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	0.860	0.810	0.870	0.800	0.890	0.860	ND	0.790
	Copper	1300	MCL	2.80	3.60	4.20	4.40	2.80	3.20	6.80	2.30
	Lead	15	MCL	0.250	0.360	0.480	0.380	0.180	1.80	2.20	0.580
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	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 F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone F1

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-- = No Information Available
N (Normal) = Full compliance sample
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		Location ID:	F1-HYD009A	F1-HYD014A		F1-HYD017B	F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609
		Location Type:	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A		FH ID: FH:17B	FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609
		Field Sample ID:	F1-DL-0017719-22100 -N	F1-DL-0017720-22100 -3-N	F1-DL-0017720-22100 -N	F1-DL-0017721-22100 -N	F1-DL-0017722-22100 -N	F1-DL-0017723-22100 -N	F1-DL-0017724-22100 -N	F1-DL-0017725-22100 -N
		Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18
		Sample Type:	N (Normal)	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
	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	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
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results
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		Location ID:	F1-HYD009A	F1-HYD014A		F1-HYD017B	F1-HYD028A	F1-HYD029A	F1-HYD037A	F1-HYD0609
		Location Type:	Hydrant	Hydrant		Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A		FH ID: FH:17B	FH ID: FH:28A	FH ID: FH:29A	FH ID: FH:37A	FH ID: FH:609
		Field Sample ID:	F1-DL-0017719-22100 -N	F1-DL-0017720-22100 -3-N	F1-DL-0017720-22100 -N	F1-DL-0017721-22100 -N	F1-DL-0017722-22100 -N	F1-DL-0017723-22100 -N	F1-DL-0017724-22100 -N	F1-DL-0017725-22100 -N
		Sample Date:	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18	2022-04-18
		Sample Type:	N (Normal)	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							
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	--	--	0.670	ND	ND	ND	0.500	ND	12.9
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.500	ND	ND	ND	ND	ND	1.50
	Total Trihalomethanes	80	MCL	1.20	ND	ND	ND	0.500	ND	14.4

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

Location ID:	F1-HYD2134
Location Type:	Hydrant
Address:	FH ID: FH-11A
Field Sample ID:	F1-DL-0000595-22100 -N
Sample Date:	2022-04-18
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	440
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	211	ISP	ND
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.00
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	0.850
	Copper	1300	MCL	5.20
	Lead	15	MCL	0.750
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND
	1-Methylnaphthalene	10	EAL	ND
	2-Methylnaphthalene	10	EAL	ND
	Benzo(a)pyrene	0.2	MCL	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND
	1,1,1-Trichloroethane	--	--	ND
	1,1,2-Trichloroethane	5	MCL	ND
	1,1-Dichloroethene	7	MCL	ND

**Summary of Chemistry Results
Zone F1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

Drinking Water Samples Collected in April 2022 from Fire Hydrants in Zone F1

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:	F1-HYD2134
Location Type:	Hydrant
Address:	FH ID: FH-11A
Field Sample ID:	F1-DL-0000595-22100 -N
Sample Date:	2022-04-18
Sample Type:	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	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

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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	--	--	0.630
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	0.520
	Total Trihalomethanes	80	MCL	1.10