

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

**Drinking Water Samples collected in June-October 2022 from Residences in Zone D1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D1-ABEN3329	D1-ASTO3319	D1-BBEN3330	D1-BOTH0408		D1-BSMI3339	D1-BTEA3313	D1-CSMI3343	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	3329A Benoit Place	3319A Stommes Place	3330B Benoit Place	408 Bothne Court		3339 Smith Circle	3313 Teague Place	3343 Smith Circle	
		Field Sample ID:	D1-TW-0000710-22150-N	D1-TW-0001094-22150-N	D1-TW-0000713-22150-N	D1-TW-0001014-22150-3-N	D1-TW-0001014-22150-N	D1-TW-0000745-22150-N	D1-TW-0001135-22150-N	D1-TW-0000762-22150-N	
		Sample Date:	2022-06-24	2022-06-23	2022-08-25	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-06-23	
		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	560	500	420	530	530	340	520	530
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	83.8	ND	63.0	78.8	81.1	ND	ND	54.5
	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	83.8	ND	63.0	78.8	81.1	ND	ND	54.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.750
	Barium	2000	MCL	1.90	1.80	1.90	1.80	1.80	2.00	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.760	0.850	1.60	0.730	0.750	1.40	1.30	0.970
	Copper	1300	MCL	25.3	22.2	9.90	38.9	37.5	27.5	18.6	17.2
	Lead	15	MCL	1.30	ND	ND	2.80	1.90	0.250	0.150	0.220
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.20	0.980	ND	1.00	0.840	0.330	ND	0.630
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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-ABEN3329	D1-ASTO3319	D1-BBEN3330	D1-BOTH0408		D1-BSMI3339	D1-BTEA3313	D1-CSMI3343
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence
					3329A Benoit Place	3319A Stommes Place	3330B Benoit Place	408 Bothne Court		3339 Smith Circle	3313 Teague Place	3343 Smith Circle
					D1-TW-0000710-22150-N	D1-TW-0001094-22150-N	D1-TW-0000713-22150-N	D1-TW-0001014-22150-3-N	D1-TW-0001014-22150-N	D1-TW-0000745-22150-N	D1-TW-0001135-22150-N	D1-TW-0000762-22150-N
					2022-06-24	2022-06-23	2022-08-25	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-06-23
					N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Residence	Residence	Residence	Residence
					3329A Benoit Place	3319A Stommes Place	3330B Benoit Place	408 Bothne Court		3339 Smith Circle	3313 Teague Place	3343 Smith Circle
					D1-TW-0000710-22150-N	D1-TW-0001094-22150-N	D1-TW-0000713-22150-N	D1-TW-0001014-22150-3-N	D1-TW-0001014-22150-N	D1-TW-0000745-22150-N	D1-TW-0001135-22150-N	D1-TW-0000762-22150-N
					2022-06-24	2022-06-23	2022-08-25	2022-06-24	2022-06-24	2022-07-25	2022-07-25	2022-06-23
					N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	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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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-CSTO3319	D1-CVAL3306	D1-CVAL3307	D1-DUNL0225	D1-EOUT1014	D1-FISL1803	D1-FISL1809	D1-FVAL3308
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3319C Stommes Place	3306C Valdez Place	3307C Valdez Place	225 Dunlap Court	1014 East Outerbridge Court	1803 Fisler Court	1809 Fisler Court	3308F Valdez Place
				Field Sample ID:	D1-TW-0001096-22150-N	D1-TW-0001186-22150-N	D1-TW-0001192-22150-N	D1-TW-0001080-22150-N	D1-TW-0000873-22150-N	D1-TW-0000989-22150-N	D1-TW-0000995-22150-N	D1-TW-0001199-22150-N
				Sample Date:	2022-06-24	2022-06-24	2022-06-24	2022-10-03	2022-07-26	2022-07-28	2022-07-25	2022-06-23
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	540	320	310	590	330	460	320	350	
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	73.1	59.8	76.9	55.5	56.2	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	73.1	59.8	76.9	55.5	56.2	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	0.640
	Barium	2000	MCL	1.90	2.00	2.30	1.80	1.80	1.80	1.90	2.30	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.790	0.710	0.560	1.80	1.30	1.10	1.50	0.870	
	Copper	1300	MCL	15.1	25.1	14.6	22.7	46.8	86.7	43.2	19.6	
	Lead	15	MCL	0.150	0.200	0.140	ND	0.130	0.980	0.290	ND	
	Mercury	2	MCL	0.0260	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	1.30	2.00	0.930	ND	0.540	0.570	0.320	ND	
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	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

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-CSTO3319	D1-CVAL3306	D1-CVAL3307	D1-DUNL0225	D1-EOUT1014	D1-FISL1803	D1-FISL1809	D1-FVAL3308
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	3319C Stommes Place	3306C Valdez Place	3307C Valdez Place	225 Dunlap Court	1014 East Outerbridge Court	1803 Fisler Court	1809 Fisler Court	3308F Valdez Place
				Field Sample ID:	D1-TW-0001096-22150-N	D1-TW-0001186-22150-N	D1-TW-0001192-22150-N	D1-TW-0001080-22150-N	D1-TW-0000873-22150-N	D1-TW-0000989-22150-N	D1-TW-0000995-22150-N	D1-TW-0001199-22150-N
				Sample Date:	2022-06-24	2022-06-24	2022-06-24	2022-10-03	2022-07-26	2022-07-28	2022-07-25	2022-06-23
				Sample Type:	N (Normal)	N (Normal)	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 (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	3319C Stommes Place	3306C Valdez Place	3307C Valdez Place	225 Dunlap Court	1014 East Outerbridge Court	1803 Fisler Court	1809 Fisler Court	3308F Valdez Place
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		Sample Date:	2022-06-24	2022-06-24	2022-06-24	2022-10-03	2022-07-26	2022-07-28	2022-07-25	2022-06-23
		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)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.880	1.50	ND	ND	0.630	1.10	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.570	0.970	ND	ND	ND	ND	0.790
	Total Trihalomethanes	80	MCL	1.45	2.47	ND	ND	0.630	1.10	ND

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		Location ID:	D1-GOMB1400	D1-GOMB1404	D1-GOMB1405		D1-GOMB1411	D1-GRAH0510	D1-HUTT0900	D1-HUTT0901	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	1400 Gombasy Court	1404 Gombasy Court	1405 Gombasy Court		1411 Gombasy Court	510 Graham Court	900 Huttenberg Court	901 Huttenberg Court	
		Field Sample ID:	D1-TW-0000896-22150-N	D1-TW-0000900-22150-N	D1-TW-0000901-22150-3-N	D1-TW-0000901-22150-N	D1-TW-0000907-22150-N	D1-TW-0001030-22150-N	D1-TW-0000792-22150-N	D1-TW-0000793-22150-N	
		Sample Date:	2022-06-24	2022-07-27	2022-07-27	2022-07-27	2022-08-25	2022-07-25	2022-06-24	2022-07-26	
		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	170	280	330	330	200	380	340	480
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	79.3	ND	ND	ND	59.0	ND	69.1	52.8
	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	79.3	ND	ND	ND	59.0	ND	69.1	52.8
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	1.80	2.00	1.90	1.90	2.00	1.90	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.710	1.30	1.30	1.30	1.60	1.50	0.550	1.30
	Copper	1300	MCL	55.2	58.6	87.4	86.3	40.4	35.2	101	21.5
	Lead	15	MCL	ND	0.270	0.490	0.480	0.150	0.320	0.740	0.150
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.880	0.640	0.530	0.410	ND	0.370	0.350	0.440
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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

**Drinking Water Samples collected in June-October 2022 from Residences in Zone D1**

<b>Notes:</b>
ND = Not Detected
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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:
				D1-GOMB1400	D1-GOMB1404	D1-GOMB1405		D1-GOMB1411	D1-GRAH0510	D1-HUTT0900	D1-HUTT0901
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				1400 Gombasy Court	1404 Gombasy Court	1405 Gombasy Court		1411 Gombasy Court	510 Graham Court	900 Huttenberg Court	901 Huttenberg Court
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				D1-TW-0000896-22150-N	D1-TW-0000900-22150-N	D1-TW-0000901-22150-3-N	D1-TW-0000901-22150-N	D1-TW-0000907-22150-N	D1-TW-0001030-22150-N	D1-TW-0000792-22150-N	D1-TW-0000793-22150-N
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				2022-06-24	2022-07-27	2022-07-27	2022-07-27	2022-08-25	2022-07-25	2022-06-24	2022-07-26
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				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 (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND



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

**Drinking Water Samples collected in June-October 2022 from Residences in Zone D1**

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		Location ID:	D1-GOMB1400	D1-GOMB1404	D1-GOMB1405		D1-GOMB1411	D1-GRAH0510	D1-HUTT0900	D1-HUTT0901
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence
		Address:	1400 Gombasy Court	1404 Gombasy Court	1405 Gombasy Court		1411 Gombasy Court	510 Graham Court	900 Huttenberg Court	901 Huttenberg Court
		Field Sample ID:	D1-TW-0000896-22150-N	D1-TW-0000900-22150-N	D1-TW-0000901-22150-3-N	D1-TW-0000901-22150-N	D1-TW-0000907-22150-N	D1-TW-0001030-22150-N	D1-TW-0000792-22150-N	D1-TW-0000793-22150-N
		Sample Date:	2022-06-24	2022-07-27	2022-07-27	2022-07-27	2022-08-25	2022-07-25	2022-06-24	2022-07-26
		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	--	--	4.60	ND	ND	ND	0.370	0.750	0.570
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.30	ND	ND	ND	ND	0.500	ND
	Total Trihalomethanes	80	MCL	5.90	ND	ND	ND	0.370	1.25	0.570

**Summary of Chemistry Results  
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		Location ID:	D1-HUTT0906	D1-HUTT0909	D1-HUTT0913	D1-HUTT0917	D1-KAUF1503	D1-KAUF1518	D1-MCMU1309	D1-MCMU1311	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	906 Huttenberg Court	909 Huttenberg Court	913 Huttenberg Court	917 Huttenberg Court	1503 Kaufman Court	1518 Kaufman Court	1309 McMurtry Court	1311 McMurtry Court	
		Field Sample ID:	D1-TW-0000798-22150-N	D1-TW-0000801-22150-N	D1-TW-0000805-22150-N	D1-TW-0000809-22150-N	D1-TW-0000937-22150-N	D1-TW-0000952-22150-N	D1-TW-0000917-22150-N	D1-TW-0000919-22150-N	
		Sample Date:	2022-08-25	2022-07-26	2022-07-27	2022-07-22	2022-07-28	2022-07-28	2022-07-27	2022-07-27	
		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	370	380	390	310	540	390	560	410
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	52.8	ND	ND	ND	50.2	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	52.8	ND	ND	ND	50.2	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	1.80	1.90	1.90	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.60	1.50	1.30	1.20	1.10	1.10	1.30	1.20
	Copper	1300	MCL	57.7	18.6	49.6	44.8	31.1	89.4	25.9	65.6
	Lead	15	MCL	ND	0.150	0.290	0.130	0.190	0.690	ND	0.520
	Mercury	2	MCL	ND	ND	ND	0.0280	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.460	0.400	0.440	0.590	0.480	0.510	0.480
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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

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		Location ID:	D1-HUTT0906	D1-HUTT0909	D1-HUTT0913	D1-HUTT0917	D1-KAUF1503	D1-KAUF1518	D1-MCMU1309	D1-MCMU1311
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	906 Huttenberg Court	909 Huttenberg Court	913 Huttenberg Court	917 Huttenberg Court	1503 Kaufman Court	1518 Kaufman Court	1309 McMurtry Court	1311 McMurtry Court
		Field Sample ID:	D1-TW-0000798-22150-N	D1-TW-0000801-22150-N	D1-TW-0000805-22150-N	D1-TW-0000809-22150-N	D1-TW-0000937-22150-N	D1-TW-0000952-22150-N	D1-TW-0000917-22150-N	D1-TW-0000919-22150-N
		Sample Date:	2022-08-25	2022-07-26	2022-07-27	2022-07-22	2022-07-28	2022-07-28	2022-07-27	2022-07-27
		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 (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	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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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	D1-HUTT0906	D1-HUTT0909	D1-HUTT0913	D1-HUTT0917	D1-KAUF1503	D1-KAUF1518	D1-MCMU1309	D1-MCMU1311
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	906 Huttenberg Court	909 Huttenberg Court	913 Huttenberg Court	917 Huttenberg Court	1503 Kaufman Court	1518 Kaufman Court	1309 McMurtry Court	1311 McMurtry Court
		Field Sample ID:	D1-TW-0000798-22150-N	D1-TW-0000801-22150-N	D1-TW-0000805-22150-N	D1-TW-0000809-22150-N	D1-TW-0000937-22150-N	D1-TW-0000952-22150-N	D1-TW-0000917-22150-N	D1-TW-0000919-22150-N
		Sample Date:	2022-08-25	2022-07-26	2022-07-27	2022-07-22	2022-07-28	2022-07-28	2022-07-27	2022-07-27
		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	--	--	0.360	ND	ND	1.80	ND	2.10	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.900	ND	1.30	ND
	Total Trihalomethanes	80	MCL	0.360	ND	ND	2.70	ND	3.40	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D1-MCMU1316		D1-MEAD1201	D1-SING0108	D1-SING0114	D1-SING0117	D1-SING0131	D1-THAT0600
				Residence	Residence	Residence	Residence	Residence	Residence	Residence	
				1316 McMurtry Court		1201 Mead Place	108 Singleton Court	114 Singleton Court	117 Singleton Court	131 Singleton Court	600 Thatcher Court
				D1-TW-0000924-22150-3-N	D1-TW-0000924-22150-N	D1-TW-0000891-22150-N	D1-TW-0001046-22150-N	D1-TW-0001052-22150-N	D1-TW-0001055-22150-N	D1-TW-0001067-22150-N	D1-TW-0000822-22150-N
				2022-07-27	2022-07-27	2022-10-03	2022-07-27	2022-06-23	2022-07-26	2022-06-24	2022-08-25
				FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	490	490	600	750	620	360	540	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	63.0	ND	ND	58.0	ND	60.5
	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	63.0	ND	ND	58.0	ND	60.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	0.800	ND	ND	ND
	Barium	2000	MCL	1.80	1.80	1.80	1.80	1.80	1.80	1.90	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.20	1.90	1.30	1.00	1.40	0.540	1.70
	Copper	1300	MCL	28.5	29.4	8.40	35.0	46.2	59.5	60.5	35.3
	Lead	15	MCL	ND	ND	ND	0.320	0.750	ND	0.650	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	0.610	0.450	ND	0.610	1.20	0.460	1.40	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  
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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-MCMU1316		D1-MEAD1201	D1-SING0108	D1-SING0114	D1-SING0117	D1-SING0131	D1-THAT0600
				Location Type: Residence		Residence	Residence	Residence	Residence	Residence	Residence
				Address: 1316 McMurtry Court		1201 Mead Place	108 Singleton Court	114 Singleton Court	117 Singleton Court	131 Singleton Court	600 Thatcher Court
				Field Sample ID: D1-TW-0000924-22150-3-N	D1-TW-0000924-22150-N	D1-TW-0000891-22150-N	D1-TW-0001046-22150-N	D1-TW-0001052-22150-N	D1-TW-0001055-22150-N	D1-TW-0001067-22150-N	D1-TW-0000822-22150-N
				Sample Date: 2022-07-27	2022-07-27	2022-10-03	2022-07-27	2022-06-23	2022-07-26	2022-06-24	2022-08-25
				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 (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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

**Drinking Water Samples collected in June-October 2022 from Residences in Zone D1**

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		<b>Location ID:</b>		D1-MCMU1316		D1-MEAD1201	D1-SING0108	D1-SING0114	D1-SING0117	D1-SING0131	D1-THAT0600
		<b>Location Type:</b>		Residence		Residence	Residence	Residence	Residence	Residence	Residence
		<b>Address:</b>		1316 McMurtry Court		1201 Mead Place	108 Singleton Court	114 Singleton Court	117 Singleton Court	131 Singleton Court	600 Thatcher Court
		<b>Field Sample ID:</b>		D1-TW-0000924-22150-3-N	D1-TW-0000924-22150-N	D1-TW-0000891-22150-N	D1-TW-0001046-22150-N	D1-TW-0001052-22150-N	D1-TW-0001055-22150-N	D1-TW-0001067-22150-N	D1-TW-0000822-22150-N
		<b>Sample Date:</b>		2022-07-27	2022-07-27	2022-10-03	2022-07-27	2022-06-23	2022-07-26	2022-06-24	2022-08-25
		<b>Sample Type:</b>		FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>								
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	ND	ND	ND	1.70	ND	ND	ND	0.510
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.710	ND	ND	ND	0.270
	Total Trihalomethanes	80	MCL	ND	ND	ND	2.41	ND	ND	ND	0.780

**Summary of Chemistry Results  
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		Location ID:	D1-THAT0601	D1-THAT0602	D1-THAT0612	D1-WAGO1703	D1-WAGO1717	D1-WAGO1719	D1-WOUT1102	D1-WOUT1103	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	601 Thatcher Court	602 Thatcher Court	612 Thatcher Court	1703 Wagoner Court	1717 Wagoner Court	1719 Wagoner Court	1102 West Outerbridge Court	1103 West Outerbridge Court	
		Field Sample ID:	D1-TW-0000823-22150-N	D1-TW-0000824-22150-N	D1-TW-0000831-22150-N	D1-TW-0000969-22150-N	D1-TW-0000983-22150-N	D1-TW-0000985-22150-N	D1-TW-0000878-22150-N	D1-TW-0000879-22150-N	
		Sample Date:	2022-08-25	2022-07-27	2022-07-25	2022-08-02	2022-07-28	2022-07-28	2022-06-23	2022-07-27	
		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	440	770	270	400	500	470	250	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	62.8	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	266	ISP	62.8	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	1.80	1.80	1.90	1.90	1.80	1.80	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.60	1.40	1.40	1.40	1.00	1.20	0.930	1.20
	Copper	1300	MCL	48.7	46.5	50.7	37.1	58.2	45.4	18.8	33.5
	Lead	15	MCL	ND	0.190	0.340	ND	0.300	0.190	ND	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	0.570	0.360	0.540	0.580	0.630	0.560	0.670
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 D1 Long Term Monitoring  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D1-THAT0601	D1-THAT0602	D1-THAT0612	D1-WAGO1703	D1-WAGO1717	D1-WAGO1719	D1-WOUT1102	D1-WOUT1103
				Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
				Address:	601 Thatcher Court	602 Thatcher Court	612 Thatcher Court	1703 Wagoner Court	1717 Wagoner Court	1719 Wagoner Court	1102 West Outerbridge Court	1103 West Outerbridge Court
				Field Sample ID:	D1-TW-0000823-22150-N	D1-TW-0000824-22150-N	D1-TW-0000831-22150-N	D1-TW-0000969-22150-N	D1-TW-0000983-22150-N	D1-TW-0000985-22150-N	D1-TW-0000878-22150-N	D1-TW-0000879-22150-N
				Sample Date:	2022-08-25	2022-07-27	2022-07-25	2022-08-02	2022-07-28	2022-07-28	2022-06-23	2022-07-27
				Sample Type:	N (Normal)	N (Normal)	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 (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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		Location ID:	D1-THAT0601	D1-THAT0602	D1-THAT0612	D1-WAGO1703	D1-WAGO1717	D1-WAGO1719	D1-WOUT1102	D1-WOUT1103
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	601 Thatcher Court	602 Thatcher Court	612 Thatcher Court	1703 Wagoner Court	1717 Wagoner Court	1719 Wagoner Court	1102 West Outerbridge Court	1103 West Outerbridge Court
		Field Sample ID:	D1-TW-0000823-22150-N	D1-TW-0000824-22150-N	D1-TW-0000831-22150-N	D1-TW-0000969-22150-N	D1-TW-0000983-22150-N	D1-TW-0000985-22150-N	D1-TW-0000878-22150-N	D1-TW-0000879-22150-N
		Sample Date:	2022-08-25	2022-07-27	2022-07-25	2022-08-02	2022-07-28	2022-07-28	2022-06-23	2022-07-27
		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)	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	0.550
	Bromoform	--	--	ND	0.980	0.670	ND	ND	0.600	4.10
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.600	ND	ND	ND	0.670	2.40
	Total Trihalomethanes	80	MCL	ND	1.58	0.670	ND	ND	1.27	7.05

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-WOUT1105		D1-WOUT1107	D1-WOUT1111	D1-WTEA0804	D1-WTEA0806
				Location Type: Residence		Residence	Residence	Residence	Residence
				Address: 1105 West Outerbridge Court		1107 West Outerbridge Court	1111 West Outerbridge Court	804 West Teaff Court	806 West Teaff Court
				Field Sample ID: D1-TW-0000881-22150-N	D1-TW-0000881-22150-N-R1	D1-TW-0000883-22150-N	D1-TW-0000887-22150-N	D1-TW-0000846-22150-N	D1-TW-0000848-22150-N
				Sample Date: 2022-07-27	2022-07-29	2022-07-28	2022-07-25	2022-07-27	2022-07-28
				Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	370	280	470	360	750	330
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)	--	--	52.4	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	52.4	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	1.90	--	1.90	1.80	2.00	2.00
	Beryllium	4	MCL	ND	--	ND	ND	ND	ND
	Cadmium	5	MCL	ND	--	ND	ND	ND	ND
	Chromium	100	MCL	1.30	--	1.10	1.40	1.30	1.20
	Copper	1300	MCL	55.9	--	35.4	22.1	36.7	85.1
	Lead	15	MCL	ND	--	0.160	0.800	0.350	0.340
	Mercury	2	MCL	ND	--	ND	ND	ND	ND
	Selenium	50	MCL	0.590	--	0.640	ND	0.620	0.650
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	ND	--	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	--	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	--	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	--	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	--	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-WOUT1105		D1-WOUT1107	D1-WOUT1111	D1-WTEA0804	D1-WTEA0806
				Location Type: Residence		Residence	Residence	Residence	Residence
				Address: 1105 West Outerbridge Court		1107 West Outerbridge Court	1111 West Outerbridge Court	804 West Teaff Court	806 West Teaff Court
				Field Sample ID: D1-TW-0000881-22150-N	D1-TW-0000881-22150-N-R1	D1-TW-0000883-22150-N	D1-TW-0000887-22150-N	D1-TW-0000846-22150-N	D1-TW-0000848-22150-N
				Sample Date: 2022-07-27	2022-07-29	2022-07-28	2022-07-25	2022-07-27	2022-07-28
				Sample Type: 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
	1,2,4-Trichlorobenzene	70	MCL	ND	--	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	--	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	--	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	--	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	--	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	--	ND	ND	ND	ND
	Benzene	5	MCL	ND	--	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	--	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	--	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	--	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	--	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	--	ND	ND	ND	ND
	o-Xylene	--	--	ND	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	--	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	--	ND	ND	ND	ND
	Toluene	1000	MCL	ND	--	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	--	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	--	ND	ND	ND	ND
Vinyl chloride	2	MCL	ND	--	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	--	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	--	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D1-WOUT1105		D1-WOUT1107	D1-WOUT1111	D1-WTEA0804	D1-WTEA0806
				Location Type: Residence		Residence	Residence	Residence	Residence
				Address: 1105 West Outerbridge Court		1107 West Outerbridge Court	1111 West Outerbridge Court	804 West Teaff Court	806 West Teaff Court
				Field Sample ID: D1-TW-0000881-22150-N	D1-TW-0000881-22150-N-R1	D1-TW-0000883-22150-N	D1-TW-0000887-22150-N	D1-TW-0000846-22150-N	D1-TW-0000848-22150-N
				Sample Date: 2022-07-27	2022-07-29	2022-07-28	2022-07-25	2022-07-27	2022-07-28
				Sample Type: N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	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	4.20	ND
	Chloroform	--	--	ND	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	--	ND	ND	0.960	ND
	Total Trihalomethanes	80	MCL	ND	--	ND	ND	5.16	ND

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

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone D1**

<b>Notes:</b>
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	Location ID: D1-BLDG0204		Location ID: D1-BLDG0930	
				Location Type: Child Development Center	Location Type: Child Development Center	Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)	Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)
				Field Sample ID: D1-TW-0015067-22150-N-1	Field Sample ID: D1-TW-0015067-22150-N-2	Field Sample ID: D1-TW-0015074-22150-N-1	Field Sample ID: D1-TW-0015074-22150-N-2
				Sample Date: 2022-08-26	Sample Date: 2022-08-26	Sample Date: 2022-08-26	Sample Date: 2022-08-26
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	200-230	200-230	390-440	390-440
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	91.5	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	91.5	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND
	Chromium	100	MCL	1.60	1.60	1.80	1.70
	Copper	1300	MCL	9.30	14.3	79.0	92.5
	Lead	15	MCL	ND	ND	0.820	ND
	Mercury	2	MCL	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND
	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	

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

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone D1**

<b>Notes:</b>
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)
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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: D1-BLDG0204		Location ID: D1-BLDG0930	
				Location Type: Child Development Center	Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)	Location Type: Child Development Center	Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)
				Field Sample ID: D1-TW-0015067-22150-N-1	Field Sample ID: D1-TW-0015067-22150-N-2	Field Sample ID: D1-TW-0015074-22150-N-1	Field Sample ID: D1-TW-0015074-22150-N-2
				Sample Date: 2022-08-26	Sample Date: 2022-08-26	Sample Date: 2022-08-26	Sample Date: 2022-08-26
				Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: N (Normal)	Sample Type: 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

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

**Drinking Water Samples collected in June-October 2022 from Child Development Centers in Zone D1**

<b>Notes:</b>
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
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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: D1-BLDG0204		Location ID: D1-BLDG0930	
				Field Sample ID	Sample Date	Field Sample ID	Sample Date
				Location Type: Child Development Center		Location Type: Child Development Center	
				Address: Building 204,MWR CHILD CARE CENTER (KIDS COVE)		Address: Building 930,CHILD DEVELOPMENT CENTER (HALE MOKU)	
				D1-TW-0015067-22150-N-1	D1-TW-0015067-22150-N-2	D1-TW-0015074-22150-N-1	D1-TW-0015074-22150-N-2
				2022-08-26	2022-08-26	2022-08-26	2022-08-26
				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	--	--	0.550	0.610	ND	ND
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.550	0.610	ND	ND



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

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone D1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	D1-BLDG0925	D1-BLDG1489	D1-BLDG1490	D1-BLDG1507	D1-BLDG1623	D1-BLDG1634	D1-BLDG1932	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 925,BQ NEVADA HALL	Building 1489,BEQ, 1278 Battleship Dr	Building 1490,WAVES BARRACKS	Building 1507,NGIS - NAVY TDY	Building 1623,BEQ ARIZONA HALL	Building 1634,NGIS - NAVY TDY (UTAH HALL)	Building 1932,RECREATION CTR BX 1333, 1369	
		Field Sample ID:	D1-TW-0015072-22150-N	D1-TW-0015091-22150-N	D1-TW-0015092-22150-N	D1-TW-0015097-22150-N	D1-TW-0015112-22150-N	D1-TW-0015114-22150-N	D1-TW-0015059-22150-N	
		Sample Date:	2022-10-03	2022-10-03	2022-10-03	2022-07-27	2022-10-03	2022-10-04	2022-10-03	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D1-BLDG0925	D1-BLDG1489	D1-BLDG1490	D1-BLDG1507	D1-BLDG1623	D1-BLDG1634	D1-BLDG1932
Field Test (ppb)	Free Chlorine	4000	MCL	400	80.0	250	510	300	430	600
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.3	57.0	66.0	ND	ND	63.7	59.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.3	57.0	66.0	ND	ND	63.7	59.7
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.40	1.90	2.00	1.90	2.00	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	0.0680	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.00	2.00	1.80	1.20	1.80	1.90	1.80
	Copper	1300	MCL	19.2	85.8	107	25.1	69.3	43.6	41.3
	Lead	15	MCL	0.270	0.230	ND	0.340	0.210	0.210	0.190
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	0.510	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	1.80	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND

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

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone D1**

<b>Notes:</b>
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	Location ID:	D1-BLDG0925	D1-BLDG1489	D1-BLDG1490	D1-BLDG1507	D1-BLDG1623	D1-BLDG1634	D1-BLDG1932
				Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Non-Residence	Non-Residence	Non-Residence
Volatile Organic Compounds (ppb)	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
	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

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

**Drinking Water Samples collected in June-October 2022 from Other Buildings in Zone D1**

<b>Notes:</b>
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

		<b>Location ID:</b>	D1-BLDG0925	D1-BLDG1489	D1-BLDG1490	D1-BLDG1507	D1-BLDG1623	D1-BLDG1634	D1-BLDG1932
		<b>Location Type:</b>	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		<b>Address:</b>	Building 925,BQ NEVADA HALL	Building 1489,BEQ, 1278 Battleship Dr	Building 1490,WAVES BARRACKS	Building 1507,NGIS - NAVY TDY	Building 1623,BEQ ARIZONA HALL	Building 1634,NGIS - NAVY TDY (UTAH HALL)	Building 1932,RECREATION CTR BX 1333, 1369
		<b>Field Sample ID:</b>	D1-TW-0015072- 22150-N	D1-TW-0015091- 22150-N	D1-TW-0015092- 22150-N	D1-TW-0015097- 22150-N	D1-TW-0015112- 22150-N	D1-TW-0015114- 22150-N	D1-TW-0015059- 22150-N
		<b>Sample Date:</b>	2022-10-03	2022-10-03	2022-10-03	2022-07-27	2022-10-03	2022-10-04	2022-10-03
		<b>Sample Type:</b>	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>						
Haloacetic Acids (ppb)	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	--	--	0.380	ND	ND	ND	ND	ND
	Bromoform	--	--	6.70	0.670	0.270	0.670	0.690	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.90	0.410	ND	ND	0.260	ND
	Total Trihalomethanes	80	MCL	8.98	1.08	0.270	0.670	0.950	ND

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

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone D1**

<b>Notes:</b>
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

		<b>Location ID:</b>		D1-HYD2237		D1-HYD714		D1-HYD731	D1-HYD748	D1-HYD771	D1-HYD835
		<b>Location Type:</b>		Hydrant		Hydrant		Hydrant	Hydrant	Hydrant	Hydrant
		<b>Address:</b>		FH ID: 436		FH ID: 714		FH ID: 731	FH ID: 748	FH ID: 771	FH ID: 768
		<b>Field Sample ID:</b>		D1-DL-0017564-22150	D1-DL-0017564-22150	D1-DL-0017563-22150	D1-DL-0017563-22150	D1-DL-0017561-22150	D1-DL-0017565-22150	D1-DL-0017562-22150	D1-DL-0000548-22150
				-3-N	-N	-3-N	-N	-N	-N	-N	-N
		<b>Sample Date:</b>		2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26
		<b>Sample Type:</b>		FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>								
Field Test (ppb)	Free Chlorine	4000	MCL	150	150	410	410	440	530	380	390
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	88.5	74.3	ND	63.2	61.0	56.9	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	88.5	74.3	ND	63.2	61.0	56.9	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	13.6	14.1	2.00	2.00	2.10	2.10	2.40	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	0.700	0.970	1.80	1.70	1.80	1.80	1.60	1.60
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	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	0.0300	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 D1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in June-October 2022 from Hydrants in Zone D1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID: D1-HYD2237		D1-HYD714		D1-HYD731		D1-HYD748		D1-HYD771		D1-HYD835	
		Location Type: Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
		Address: FH ID: 436		FH ID: 714		FH ID: 731		FH ID: 748		FH ID: 771		FH ID: 768	
		Field Sample ID: D1-DL-0017564-22150-3-N		D1-DL-0017564-22150-N		D1-DL-0017563-22150-3-N		D1-DL-0017563-22150-N		D1-DL-0017561-22150-N		D1-DL-0017565-22150-N	
		Sample Date: 2022-08-26		2022-08-26		2022-08-26		2022-08-26		2022-08-26		2022-08-26	
		Sample Type: FD (Field Duplicate)		N (Normal)		FD (Field Duplicate)		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	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	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	ND
Dibromoacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D1-HYD2237		D1-HYD714		D1-HYD731	D1-HYD748	D1-HYD771	D1-HYD835
				Location ID:	Location Type:	Address:	Field Sample ID:	Sample Date:	Sample Type:	Hydrant	Hydrant
				D1-DL-0017564-22150 -3-N	D1-DL-0017564-22150 -N	D1-DL-0017563-22150 -3-N	D1-DL-0017563-22150 -N	D1-DL-0017561-22150 -N	D1-DL-0017565-22150 -N	D1-DL-0017562-22150 -N	D1-DL-0000548-22150 -N
				2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26	2022-08-26
				FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Trihalomethanes (ppb)	Bromodichloromethane	--	--	0.280	0.260	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	3.50	3.40	ND	0.280	ND	ND	0.510	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.800	0.760	ND	ND	ND	ND	0.400	ND
	Total Trihalomethanes	80	MCL	4.58	4.42	ND	0.280	ND	ND	0.910	ND