

**Summary of Chemistry Results
Zone D4 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 D4

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

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	D4-BLDG3225H		D4-BLDG3247H	D4-BLDG3365H	D4-BLDG3380H	D4-BLDG3382H	D4-BLDG3385H	
				Location Type:	Non-Residence		Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	
				Address:	Building 3225H,25TH AIR SUPPORT OPS SQUAD		Building 3247H,SHOP, AIRCRAFT MAINTENANCE	Building 3365H,CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd	Building 3380H,HIANG ADMIN/OP STORAGE BUILDING	Building 3382H,RES FORCE COMM AND ELEC TRNG, 3455 Mamala Bay Dr	Building 3385H,TELECOMMU NICATIONS FACILITY	
				Field Sample ID:	D4-TW-0015671-22157-N	D4-TW-0015673-22157-3-N	D4-TW-0015673-22157-N	D4-TW-0015678-22157-N	D4-TW-0015687-22157-N	D4-TW-0015694-22157-N	D4-TW-0015695-22157-N	D4-TW-0015696-22157-N
				Sample Date:	2022-08-09	2022-08-09	2022-08-09	2022-07-07	2022-08-16	2022-10-27	2022-10-26	2022-10-26
				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	10.0	10.0	10.0	390	270	90.0	470	260	
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	266	ISP	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)	Antimony	6	MCL	ND	0.120	0.160	ND	ND	ND	ND	ND	
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	2000	MCL	3.10	2.60	2.70	2.40	2.00	2.20	2.00	2.30	
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Cadmium	5	MCL	ND	ND	ND	ND	0.0700	ND	ND	ND	
	Chromium	100	MCL	1.60	1.00	1.10	0.960	1.10	2.20	1.90	1.90	
	Copper	1300	MCL	76.8	140	139	99.6	251	212	64.8	92.8	
	Lead	15	MCL	ND	0.600	0.630	0.130	0.810	0.240	0.160	0.300	
	Mercury	2	MCL	ND	ND	ND	0.0420	ND	ND	ND	ND	
	Selenium	50	MCL	ND	ND	ND	0.600	ND	ND	ND	ND	
Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND		
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND	
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	0.380	ND	ND	ND	ND	
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND	

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				Location Type:	Non-Residence		Non-Residence	Medical Building	Non-Residence	Non-Residence	Non-Residence	
				Address:	Building 3225H,25TH AIR SUPPORT OPS SQUAD		Building 3247H,SHOP, AIRCRAFT MAINTENANCE	Building 3365H,CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd	Building 3380H,HIANG ADMIN/OP STORAGE BUILDING	Building 3382H,RES FORCE COMM AND ELEC TRNG, 3455 Mamala Bay Dr	Building 3385H,TELECOMMU NICATIONS FACILITY	
				Field Sample ID:	D4-TW-0015671-22157-N	D4-TW-0015673-22157-3-N	D4-TW-0015673-22157-N	D4-TW-0015678-22157-N	D4-TW-0015687-22157-N	D4-TW-0015694-22157-N	D4-TW-0015695-22157-N	D4-TW-0015696-22157-N
				Sample Date:	2022-08-09	2022-08-09	2022-08-09	2022-07-07	2022-08-16	2022-10-27	2022-10-26	2022-10-26
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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				Address:	Building 3225H,25TH AIR SUPPORT OPS SQUAD		Building 3247H,SHOP, AIRCRAFT MAINTENANCE	Building 3365H,CLINICAL LAB EPIDEMIOLOGY - AIR FORCE, 255 Beach Rd	Building 3380H,HIANG ADMIN/OP STORAGE BUILDING	Building 3382H,RES FORCE COMM AND ELEC TRNG, 3455 Mamala Bay Dr	Building 3385H,TELECOMMU NICATIONS FACILITY	
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				Sample Date:	2022-08-09	2022-08-09	2022-08-09	2022-07-07	2022-08-16	2022-10-27	2022-10-26	2022-10-26
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	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	0.800
	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	0.800
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	0.340	ND	ND	0.440
	Bromoform	--	--	5.30	2.00	1.80	ND	0.650	4.60	0.340	2.80	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	1.00	0.430	0.470	ND	ND	1.20	0.280	1.40	
	Total Trihalomethanes	80	MCL	6.30	2.43	2.27	ND	0.650	6.14	0.620	4.64	

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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:	Location ID:
				D4-BLDG3386H	D4-BLDG3400H	D4-BLDG3407H	D4-BLDG3408H	D4-BLDG3409H	D4-BLDG3417H	D4-BLDG3424H	D4-BLDG3439H
				Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:	Address:	Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
Field Test (ppb)	Free Chlorine	4000	MCL	450	330	90.0	100	30.0	310	250	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	65.3	ND	ND	ND	ND	ND	50.8
	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	ND	65.3	ND	ND	ND	ND	ND	50.8
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	2.30	2.20	1.80	1.90	2.00	1.90	2.10	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	2.00	2.00	0.830	0.920	2.10	0.950	0.890	0.890
	Copper	1300	MCL	52.9	39.1	129	147	324	101	42.1	164
	Lead	15	MCL	0.150	0.140	0.250	0.190	0.970	0.310	ND	ND
	Mercury	2	MCL	0.0340	ND	0.0290	0.0380	ND	0.0270	ND	ND
	Selenium	50	MCL	ND	ND	0.700	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND

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				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 3386H, WEAPONS AND QUALITY SHOP, 55 Loko Dr	Building 3400, Hangar Maintenance, 360 Mamala Bay Dr	Building 3407H, AIRCRAFT CORROSION CONTROL	Building 3408H, CORROSION HANGAR (LOCRF)	Building 3409H, WEAPONS LOAD TRAINER FACILITY	Building 3417H, CONSOLIDATED SUPT FACILITY, HIANG RECRUITING, 3455 Mamala Bay Dr	Building 3424H, VEHICLE MAINTENANCE SHOP, 390 Mamala Bay Dr	Building 3439H, CREW QUARTERS
				Field Sample ID:	D4-TW-0015697-22157-N	D4-TW-0015706-22157-N	D4-TW-0015708-22157-N	D4-TW-0015709-22157-N	D4-TW-0015710-22157-N	D4-TW-0015714-22157-N	D4-TW-0012025-22157-N	D4-TW-0015726-22157-N
				Sample Date:	2022-10-26	2022-10-27	2022-07-07	2022-07-07	2022-10-26	2022-07-07	2022-07-07	2022-07-06
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 3386H, WEAPONS AND QUALITY SHOP, 55 Loko Dr	Building 3400, Hangar Maintenance, 360 Mamala Bay Dr	Building 3407H, AIRCRAFT CORROSION CONTROL	Building 3408H, CORROSION HANGAR (LOCRF)	Building 3409H, WEAPONS LOAD TRAINER FACILITY	Building 3417H, CONSOLIDATED SUPT FACILITY, HIANG RECRUITING, 3455 Mamala Bay Dr	Building 3424H, VEHICLE MAINTENANCE SHOP, 390 Mamala Bay Dr	Building 3439H, CREW QUARTERS	
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		Sample Date:	2022-10-26	2022-10-27	2022-07-07	2022-07-07	2022-10-26	2022-07-07	2022-07-07	2022-07-06	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
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Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	0.460	ND	ND	ND
	Bromoform	--	--	0.870	0.570	1.40	3.20	4.30	1.20	1.90	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.490	0.410	ND	ND	1.40	ND	1.10	ND
	Total Trihalomethanes	80	MCL	1.36	0.980	1.40	3.20	6.16	1.20	3.00	ND

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Location ID:	D4-BLDG3455H
Location Type:	Non-Residence
Address:	Building 3455H,OUTDOOR RECREATION CENTER
Field Sample ID:	D4-TW-0015729- 22157-N
Sample Date:	2022-10-27
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Result
Field Test (ppb)	Free Chlorine	4000	MCL	340
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	54.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND
	Petroleum Hydrocarbons, Total	266	ISP	54.1
Metals (ppb)	Antimony	6	MCL	ND
	Arsenic	10	MCL	ND
	Barium	2000	MCL	2.40
	Beryllium	4	MCL	ND
	Cadmium	5	MCL	ND
	Chromium	100	MCL	2.00
	Copper	1300	MCL	106
	Lead	15	MCL	0.190
	Mercury	2	MCL	ND
	Selenium	50	MCL	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	0.0570
	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

**Summary of Chemistry Results
Zone D4 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 D4

Notes:
ND = Not Detected
ISP = Incident Specific Parameter
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All Results shown in Parts per Billion (ppb)
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N (Grab, Resample) = Additional follow-up sample

Location ID:	D4-BLDG3455H
Location Type:	Non-Residence
Address:	Building 3455H,OUTDOOR RECREATION CENTER
Field Sample ID:	D4-TW-0015729- 22157-N
Sample Date:	2022-10-27
Sample Type:	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
	1,1-Dichloroethene	7	MCL	ND
	1,2,4-Trichlorobenzene	70	MCL	ND
	1,2-Dichlorobenzene	600	MCL	ND
	1,2-Dichloroethane	5	MCL	ND
	1,2-Dichloroethene (Total)	70	MCL	ND
	1,2-Dichloropropane	5	MCL	ND
	1,4-Dichlorobenzene	75	MCL	ND
	Benzene	5	MCL	ND
	Carbon Tetrachloride	5	MCL	ND
	Chlorobenzene	100	MCL	ND
	cis-1,2-Dichloroethene	70	MCL	ND
	Ethylbenzene	700	MCL	ND
	m,p-Xylene	--	--	ND
	Methylene chloride	5	MCL	ND
	o-Xylene	--	--	ND
	Styrene	100	MCL	ND
	Tetrachloroethene (PCE)	5	MCL	ND
	Toluene	1000	MCL	ND
	trans-1,2-Dichloroethene	100	MCL	ND
Trichloroethene (TCE)	5	MCL	ND	
Vinyl chloride	2	MCL	ND	
Xylenes, Total	10000	MCL	ND	

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Location ID:	D4-BLDG3455H
Location Type:	Non-Residence
Address:	Building 3455H,OUTDOOR RECREATION CENTER
Field Sample ID:	D4-TW-0015729- 22157-N
Sample Date:	2022-10-27
Sample Type:	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND
	Chloroacetic acid	--	--	ND
	Dibromoacetic acid	--	--	ND
	Dichloroacetic acid	--	--	ND
	Trichloroacetic acid	--	--	ND
	Total Haloacetic acids	60	MCL	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND
	Bromoform	--	--	0.520
	Chloroform	--	--	ND
	Dibromochloromethane	--	--	0.440
	Total Trihalomethanes	80	MCL	0.960

**Summary of Chemistry Results
Zone D4 Long Term Monitoring
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D4-HYD1941	D4-HYD2390
Field Test (ppb)	Free Chlorine	4000	MCL	610	80.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	240
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	70.4	58.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	70.4	58.7
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.00	3.30
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.80	2.10
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	ND
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	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
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND

**Summary of Chemistry Results
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: D4-HYD1941		Location ID: D4-HYD2390	
				Location Type: Hydrant	Address: FH 1941	Location Type: Hydrant	Address: FH 2390
				Field Sample ID: D4-DL-0017801-22157-N	Sample Date: 2022-10-13	Field Sample ID: D4-DL-0017802-22157-N	Sample Date: 2022-10-13
				Sample Type: N (Normal)		Sample Type: N (Normal)	
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND		ND	
	1,2-Dichloroethene (Total)	70	MCL	ND		ND	
	1,2-Dichloropropane	5	MCL	ND		ND	
	1,4-Dichlorobenzene	75	MCL	ND		ND	
	Benzene	5	MCL	ND		ND	
	Carbon Tetrachloride	5	MCL	ND		ND	
	Chlorobenzene	100	MCL	ND		ND	
	cis-1,2-Dichloroethene	70	MCL	ND		ND	
	Ethylbenzene	700	MCL	ND		ND	
	m,p-Xylene	--	--	ND		ND	
	Methylene chloride	5	MCL	ND		ND	
	o-Xylene	--	--	ND		ND	
	Styrene	100	MCL	ND		ND	
	Tetrachloroethene (PCE)	5	MCL	ND		ND	
	Toluene	1000	MCL	ND		ND	
	trans-1,2-Dichloroethene	100	MCL	ND		ND	
	Trichloroethene (TCE)	5	MCL	ND		ND	
	Vinyl chloride	2	MCL	ND		ND	
	Xylenes, Total	10000	MCL	ND		ND	
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND		ND
Chloroacetic acid		--	--	ND		ND	
Dibromoacetic acid		--	--	ND		1.60	
Dichloroacetic acid		--	--	ND		ND	
Trichloroacetic acid		--	--	ND		ND	
Total Haloacetic acids		60	MCL	ND		1.60	

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Location ID:	D4-HYD1941	D4-HYD2390
Location Type:	Hydrant	Hydrant
Address:	FH 1941	FH 2390
Field Sample ID:	D4-DL-0017801-22157 -N	D4-DL-0017802-22157 -N
Sample Date:	2022-10-13	2022-10-13
Sample Type:	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	D4-HYD1941	D4-HYD2390
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	1.60
	Bromoform	--	--	0.320	28.1
	Chloroform	--	--	ND	0.760
	Dibromochloromethane	--	--	ND	5.20
	Total Trihalomethanes	80	MCL	0.320	35.7