

Summary of Chemistry Results
Zone H3 Post Residential and Non-Residential Flushing Data
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples Collected During Emergency Response in January to March 2022 from Locations in Zone H3

Notes:
ND = Not Detected
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EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
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§ - Exceeds Screening Level
-- = No Information Available
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	H3-OLIV0131	H3-OLIV0144	H3-POIN0167		H3-POIN2004	H3-POIN2005	H3-POIN2011	H3-POIN2012	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	131 Olive Place	144 Olive Place	167 Poincana Place		2004 Point Welcome Place	2005 Point Welcome Place	2011 Point Welcome Place	2012 Point Welcome Place	
		Field Sample ID:	220201H3AT01	220202H3KT01	220129H3IT07	220131H3KT07	220201H3AT03	220201H3BT01	220203H3DT04	220203H3DT03	
		Sample Date:	2022-02-01	2022-02-02	2022-01-29	2022-01-31	2022-02-01	2022-02-01	2022-02-03	2022-02-03	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (72 Hour Stagnation)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	2400 §	1530	ND	560	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)	--	--	180	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	211	ISP	180	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	2.70	2.40	3.40	3.00	3.10	3.10	3.10	3.20
	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	2.60	1.50	1.90	1.40	2.30	ND	1.70	1.80
	Copper	1300	MCL	19.2	13.9	44.0	45.3	63.5	70.7	43.5	25.4
	Lead	15	MCL	0.510	0.350	0.410	0.350	ND	ND	ND	0.260
	Mercury	2	MCL	ND	ND	0.0780	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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	H3-OLIV0131	H3-OLIV0144	H3-POIN0167		H3-POIN2004	H3-POIN2005	H3-POIN2011	H3-POIN2012	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	131 Olive Place	144 Olive Place	167 Poincana Place		2004 Point Welcome Place	2005 Point Welcome Place	2011 Point Welcome Place	2012 Point Welcome Place	
		Field Sample ID:	220201H3AT01	220202H3KT01	220129H3IT07	220131H3KT07	220201H3AT03	220201H3BT01	220203H3DT04	220203H3DT03	
		Sample Date:	2022-02-01	2022-02-02	2022-01-29	2022-01-31	2022-02-01	2022-02-01	2022-02-03	2022-02-03	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (72 Hour Stagnation)	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-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	0.130	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	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

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		Location ID:	H3-POIN2025	H3-POIN2122	H3-SASS1503	H3-SHOW0108	H3-SHOW0126	H3-SHOW0146	H3-SHOW0183	H3-SHOW0223	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	2025 Point Welcome Place	2122 Point Welcome Place	1503 Sassafras Drive	108 Shower Place	126 Shower Place	146 Shower Place	183 Shower Place	223 Shower Place	
		Field Sample ID:	220130H3LT03	220130H3LT02	220130H3KT04	220130H3KT01	220130H3JT03	220201H3AT02	220204H3GT01	220202H3GT06	
		Sample Date:	2022-01-30	2022-01-30	2022-01-30	2022-01-30	2022-01-30	2022-02-01	2022-02-04	2022-02-02	
		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								
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	1550	ND	ND	1890	1740	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	4.10	3.50	3.60	2.70	2.60	2.60	2.40	2.40
	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	1.60	1.70	1.40	1.50	2.40	1.80	1.50
	Copper	1300	MCL	31.0	49.0	36.0	13.0	5.40	8.40	17.4	8.00
	Lead	15	MCL	0.110	0.700	1.10	0.890	0.340	0.650	0.140	0.230
	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
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	2025 Point Welcome Place	2122 Point Welcome Place	1503 Sassafras Drive	108 Shower Place	126 Shower Place	146 Shower Place	183 Shower Place	223 Shower Place
		Field Sample ID:	220130H3LT03	220130H3LT02	220130H3KT04	220130H3KT01	220130H3JT03	220201H3AT02	220204H3GT01	220202H3GT06
		Sample Date:	2022-01-30	2022-01-30	2022-01-30	2022-01-30	2022-01-30	2022-02-01	2022-02-04	2022-02-02
		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-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

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		Location ID:		H3-SHOW0251		H3-VALL0485				H3-VALL0595
		Location Type:		Residence		Residence				Residence
		Address:		251 Shower Place		485 Valley View Loop				595 Valley View Loop
		Field Sample ID:		220202H3GT04	220202H3GT05	220129H3IT01	220129H3IT02	220131H3KT01	220131H3KT02	220204H3GT03
		Sample Date:		2022-02-02	2022-02-02	2022-01-29	2022-01-29	2022-01-31	2022-01-31	2022-02-04
		Sample Type:		N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (72 Hour Stagnation)	FD (72 Hour Stagnation)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	1680	ND	1550	ND	ND	1700
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND	ND	ND
	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	211	ISP	ND	ND	ND	ND	ND	ND	ND
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	2.40	2.50	3.00	2.90	2.80	3.00	2.40
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.50	2.80	1.80	1.80	1.40	1.40	1.70
	Copper	1300	MCL	9.30	16.5	11.0	11.0	18.4	18.4	14.5
	Lead	15	MCL	0.280	4.10	0.290	0.320	0.870	0.950	0.340
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND
Thallium	2	MCL	0.0750	ND	ND	ND	0.120	ND	ND	
Synthetic Organic Compounds (ppb)	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	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	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: H3-SHOW0251		Location ID: H3-VALL0485				Location ID: H3-VALL0595
				Location Type: Residence	Address: 251 Shower Place	Field Sample ID: 220202H3GT04	Field Sample ID: 220202H3GT05	Field Sample ID: 220129H3IT01	Field Sample ID: 220129H3IT02	Field Sample ID: 220131H3KT01
				Sample Date: 2022-02-02	Sample Date: 2022-02-02	Sample Date: 2022-01-29	Sample Date: 2022-01-29	Sample Date: 2022-01-31	Sample Date: 2022-01-31	Sample Date: 2022-02-04
				Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (Normal)	Sample Type: FD (Field Duplicate)	Sample Type: N (72 Hour Stagnation)	Sample Type: FD (72 Hour Stagnation)	Sample Type: N (Normal)
Volatile Organic Compounds (ppb)	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