

Hawaii Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product	Parameter/Constituent	Lab Test Protocol & Number	Notification Level	Action Level (1)	Cleanup Criteria
Gasoline	TPH Gasolines	EPA 5030, 8015 or LUFT	*	NS/NS	site specific
	TPH Residual Fuels	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	NS/NS	site specific
	TPH Residual Distillates	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	NS/NS	site specific
	Benzene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	0.005/1.7mg/L	site specific
	Ethylbenzene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	0.14/0.14mg/L	site specific
	Toluene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	1/2.1mg/L	site specific
	MTBE	EPA 8260B, 8021B or 8020	*	0.020/202mg/L	site specific
Diesel, Jet Fuel, Kerosene, Fuel Oil	TPH as Diesel	EPA 3550/8015, 3510/8270, 3520/8270 or LUFT	*	**/**	site specific
	Xylene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	10/10mg/L	site specific
	Benzene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	0.005/1.7 mg/L	site specific
	Ethylbenzene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	0.14/0.14mg/L	site specific
	Toluene	EPA 5030/8015, 5030/8020, 5030/8240, 602 or 624	*	1/2.1mg/L	site specific

	Acenaphthene	EPA 3510/8310, 3520/8310, 3510/8100, 3520/8100 or 610	*	0.32/0.32mg/L	site specific
	Naphthalene	EPA 3510/8310, 3520/8310, 3510/8100, 3520/8100 or 610	*	0.24/0.77mg/L	site specific
	Fluoranthene	EPA 3510/8310, 3520/8310, 3510/8100, 3520/8100 or 610	*	0.013/0.013mg/L	site specific
	Benzo(a)pyrene	EPA 3510/8310, 3520/8310, 3510/8100, 3520/8100 or 610	*	0.0002/0.0002mg/L	site specific

*All spills over 25 gallons that cannot be contained and cleaned up within 24 hours.

** No cleanup criteria based on TPH: however, that does not preclude use as screening method.

(1) Drinking water resource threatened / Drinking water resource not threatened.

Note: NS=No Standard.

Contact: Hawaii Department of Health, Solid and Hazardous Waste Branch, 808-586-4226

Web Site: <http://www.state.hi.us/health/eh/shwb>

Hawaii Cleanup Standards for Hydrocarbon Contaminated Soil

Product	Parameter/ Constituent	Lab Test Protocol & Number	Notification Level	Action Level(1)		Cleanup Criteria
				Drinking Water Resource Threatened	Drinking Water Resource Not Threatened	
Gasoline	TPH as Gasoline	EPA 5030/8015, LUFT	*	2000mg/kg	2000mg/kg	
	TPH Residual Fuels	EPA 5030/8015, LUFT	*	5000mg/kg	5000mg/kg	site specific
	TPH Residual Distillates	EPA 5030/8015, LUFT	*	5000mg/kg	5000mg/kg	site specific
	Xylene	EPA 5030/8015, 5030/8020 or 5030/8240	*	23mg/kg	23mg/kg	site specific
	Benzene	EPA 5030/8015, 5030/8020 or 5030/8240	*	0.05mg/kg	1.7mg/kg	site specific
	Ethylbenzene	EPA 5030/8015, 5030/8020 or 5030/8240	*	0.50mg/kg	0.50mg/kg	site specific
	Toluene	EPA 5030/8015, 5030/8020 or 5030/8240	*	16mg/kg	34mg/kg	site specific
	Naphthalene	EPA 3540/8310, 3550/8310, 3540/8270 or 3550/8270	*	41mg/kg	41mg/kg	site specific
	MTBE	EPA 8260B, 8021B or 8020	*	0.005mg/kg	20mg/kg	site specific

* All spills over 25 gallons that cannot be contained and cleaned up within 24 hours.

(1) Drinking water resource threatened / Drinking water resource not threatened.

Notes: 1. Groundwater action levels meet state surface water standards as a minimum and drinking water standards where applicable. 2. Constituent-specific soil action levels based on RBCA groundwater-protection and direct-exposure models. 3. Hawaii RBCA program can be used to develop more site-specific action levels for Soil.

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