

University of Hawaii - Environmental Health and Safety Office

Contact: Tavia Oshiro 956-9173, tavias@hawaii.edu or Emma Kennedy 956-3200, ekennedy@hawaii.edu

	Manoa Stream Water Results ¹	Manoa Stream Sediment Results ¹	Environmental Action Level (soil) ²	FDA ³	EPA Limits in Drinking Water ³	Water Quality Report ⁴	Hawaii - Drinking Water ⁴
Chlordane	None detected	170 to 200 µg/kg or ppb ⁵	17,000 µg/kg or ppb ⁵	300 ppb ⁵ (most fruits and vegetables) 100 ppb ⁵ (animal fat and fish)	60 ppb ⁵ for children consuming no longer than 10 days 0.5 ppb ⁵ for children or 2 ppb for adults drinking water for longer periods	0.125 ppb ⁵ (average)	2.000 ppb ⁵ , Maximum Contaminant Level
Dieldrin	None detected	23 to 26 µg/kg or ppb ⁵	2,500 µg/kg or ppb ⁵	100 ppb ⁵ in raw foods, depending on the type of food product	1 to 2 ppb ⁵	0.040 ppb ⁵	0.200 ppb ⁵ , Health Advisory

¹ Biological and water and sediment quality surveys in Manoa Stream, AECOS No. 1463, March 3, 2016

² Hawaii Department of Health, Hazard Evaluation and Emergency Response Office Website: <http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/environmental-hazard-evaluation-and-environmental-action-levels>

³ Centers for Disease Control (CDC) Agency for Toxic Substances & Disease Registry, search Chlordane <https://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=62> and Dieldrin <https://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=56>

⁴ Board of Water Supply Water Quality Report <https://www.boardofwatersupply.com/water-quality/water-quality-report/search-ccr>

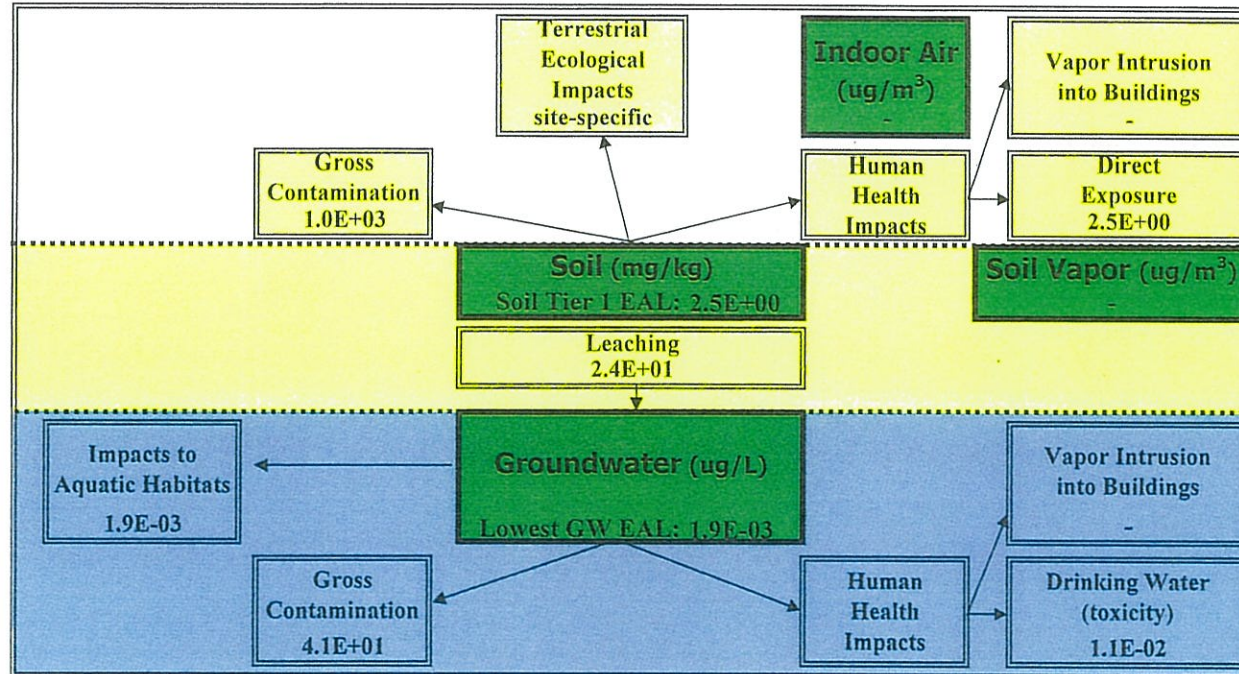
⁵ µg/kg is micrograms per kilogram and is the same as ppb or parts per billion

Tier 1 Environmental Action Levels Surfer (Screening Levels For Specific Environmental Hazards)

Hawai'i DOH (Fall 2017)



DIELDRIN



Selected Site Scenario	
Land Use:	Unrestricted
Groundwater Utility:	Drinking Water Resource
Distance to Surface Water:	< 150m

HDOH 2017, Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater (Fall 2017): Hawai'i Department of Health, Hazard Evaluation and Emergency Response, <http://hawaii.gov/health/environmental/hazard/index.html>

Site Scenarios: Site scenario options based on scenarios used to develop EAL lookup tables.

Soil Eco-Risk: Site specific, ecological risk assessment recommended at sites where anthropogenic contamination identified and sensitive, terrestrial ecological habitats could be threatened (see Volume 1 Section 4.2).

See also attached Tier 1 EAL Summary Report, Chemical Summary, Glossary and Advanced EHE Overview.