

Table 5-25

Exceedances of NOAA Effects-Range-Low and Effects-Range-Median Screening Levels in Surface Sediment Samples from Waimanalo Stream and the Off-Base Reference Area

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Chemical	CAS	Units	Screening Levels		Reference Area			Waimanalo Stream				
				NOAA ERL	NOAA ERM	REF-SD001	REF-SD002	REF-SD003	WSU-SD	WS-SD001A	WS-SD002A	WS-SD003A	WSD-SD
PEST/PCB	4,4'-DDE	72-55-9	mg/kg	0.0022	0.027	ND	ND	ND	0.002 F	0.002 M	0.005 F	0 D F	0.01 F
PEST/PCB	4,4'-DDT	50-29-3	mg/kg	0.0016	0.0461	ND	ND	ND	ND	0.019 F	R	ND	ND
PAH	Phenanthrene	85-01-8	mg/kg	0.24	1.5	ND	ND	ND	0.272 F	0.004 F	0.132 F	0.01 D F	ND
METALS	Cadmium	7440-43-9	mg/kg	1.2	9.6	ND	ND	ND	1.4	0.92 F	1 F	0.71 F	ND
METALS	Chromium	7440-47-3	mg/kg	81	370	116	94	64	220	111 M	120	106	6.6 F
METALS	Copper	7440-50-8	mg/kg	34	270	163	88.4	49	85.2	50.1	57.3	46.7	1 F
METALS	Nickel	7440-02-0	mg/kg	20.9	51.6	78.5	69.8	46	151	81.4	81.4	79.8	3.8

Notes:

Bold indicates that the concentration exceeds the ERL.

Shading indicates that the concentration exceeds the ERM.

Chemical Groups

PEST/PCB = pesticides/polychlorinated biphenyls

PAH = polynuclear aromatic hydrocarbons

Data Qualifiers

D = Applied to averaged results when non "U" qualifiers are not identical.

F = The analyte was positively identified but the associated numerical value is below the reporting

M = A matrix effect was present.

R = The data are unusable due to deficiencies in the ability to analyze the sample and meet QC c

ND = Not detected

Abbreviations

mg/kg = milligrams per kilogram

NOAA ERL = National Oceanic and Atmospheric Administration effects-range-low screening level

NOAA ERM = National Oceanic and Atmospheric Administration effects-range-median screening level