

**Table 5-2b**

**Concentrations of Chemicals Without Toxicity Factors or Screening Levels  
Detected in Sediment at Waimanalo Stream**

*Bellows OU1 EE/CA, Bellows AFS, Hawaii*

Chemical Gr	Analyte	CAS	Unit	WSU-SD	WS-SD001A	WS-SD002A	WS-SD003A	WSD-SD
<b>Chemicals Without Human Health Toxicity Factors</b>								
PEST/PCB	Endosulfan II	33213-65-1	mg/kg	1.70E-03 U	1.10E-02 F	2.40E-02 F	1.90E-03 U	2.10E-03 F
PEST/PCB	Endosulfan sulfate	1031-07-8	mg/kg	1.50E-02 F	1.50E-02 F	1.40E-02 F	3.25E-03 F	1.90E-02 F
PEST/PCB	Endrin aldehyde	7421-93-4	mg/kg	5.80E-03 F	4.10E-03 F	R	8.10E-03 F	7.70E-03 F
PEST/PCB	delta-BHC	319-86-8	mg/kg	1.40E-02 U	3.00E-04 UM	4.40E-04 U	3.10E-04 U	2.20E-02 J
PAH	Benzo (g,h,i) peryler	191-24-2	mg/kg	1.05E-01	8.00E-03 F	1.86E-01	2.30E-02 F	6.00E-03 U
PAH	Phenanthrene	85-01-8	mg/kg	2.72E-01 F	4.00E-03 F	1.32E-01 F	5.75E-03 D F	2.00E-03 U
METALS	Lead	7439-92-1	mg/kg	1.13E+01	6.70E+00 M	9.00E+00 F	8.95E+00 F	3.40E+00 F
<b>Chemicals Without Ecological Toxicity Factors</b>								
PEST	alpha-BHC	319-84-6	mg/kg	0.00046 U	0.035 U	0.016 F	0.00048 U	0.012 F
PEST	beta-BHC	319-85-7	mg/kg	0.023 F	0.0093 M	0.022 F	0.0101 F	0.0064 F
PEST	delta-BHC	319-86-8	mg/kg	0.014 U	0.0003 UM	0.00044 U	0.00031 U	0.022 J
METALS	Aluminum	7429-90-5	mg/kg	48200	26900 M	24000	22850	966
METALS	Cobalt	7440-48-4	mg/kg	35.9	22.4	24.7 F	19.85 D	0.47 U
<b>Chemicals Without Ecological Screening Levels<sup>1</sup></b>								
TPH	TPH-Diesel	TPH-DIES	mg/kg	8.5 F	28 F	64 F	18.175 D F	6.2 F
TPH	TPH-Gasoline	TPH-GAS	mg/kg	0.01 U	0.15 F	0.01 U	0.01 U	0.01 U
SVOC	Di-n-butylphthalate	84-74-2	mg/kg	0.13 F	0.14 U	0.18 U	0.1325 D F	0.1 U
PAH	Benzo (b) fluoranthe	205-99-2	mg/kg	0.125	0.0057 U	0.205	0.02105 D J	0.0044 U
PAH	Benzo (g,h,i) peryler	191-24-2	mg/kg	0.105	0.008 F	0.186	0.023 F	0.006 U
PAH	Benzo (k) fluoranthe	207-08-9	mg/kg	0.0735	0.0028 U	0.0973	0.009625 D F	0.0022 U
PAH	Indeno (1,2,3-c,d) py	193-39-5	mg/kg	0.199 J	0.014 F	0.342 J	0.062 D F	0.008 U
METALS	Beryllium	7440-41-7	mg/kg	0.72 F	0.39 F	0.42 F	0.4 F	0.16 U
HERB	2,4,5-TP (Silvex)	93-72-1	mg/kg	0.04	0.0084 U	0.012 U	0.0087 U	0.0064 U
HERB	2,4-D	94-75-7	mg/kg	0.54 J	0.035 U	0.052 U	0.036 U	0.027 U
HERB	Dalapon	75-99-0	mg/kg	110 J	0.039 UM	0.058 U	0.04 U	0.03 U
HERB	Dicamba	1918-00-9	mg/kg	0.14 F	0.018 U	0.027 U	0.019 U	0.014 U
HERB	MCPP	93-65-2	mg/kg	24 J	18 U	4.9 U	3.4 U	2.5 U

**Notes:**

mg/kg = milligrams per kilogram

<sup>1</sup>The sediment screening levels used for the ecological risk evaluation were National Oceanographic and Atmospheric Association (NOAA) Effects-Range-Median (ERM) levels.

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 limit (RL).

J = The analyte was positively identified; the quantitation is an estimation.

M = A matrix effect was present.

R = The result is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

U = The analyte was not detected; the associated numerical value is below the method detection limit.