

**TABLE 4-12**

Chemicals Detected in Subsurface Soil (Outside Landfill) at Site LF01  
 Bellows OU1 EE/CA, Bellows AFS, Hawaii

Location				LF01-001	LF01-028	LF01-041	LF01-046	LF01-047	LF01-048
Sample ID				LF01-BH001C	LF01-BH028C	LF01-BH041C	LF01-BH046C	LF01-BH047C	LF01-BH048C
Date				11/05/98	11/04/98	11/05/98	11/03/98	11/04/98	11/04/98
Depth				4-8	2.5-7.5	2-5	2-4.5	2-5	1.5-7
Chemical Group	Analyte	CAS	Units						
VOC	TCE	79-01-6	mg/kg	ND	0.002 F	ND	ND	ND	ND
TPH	TPH-Diesel	TPH-DIESEL	mg/kg	1.1 F	2.3 F	3.3 F	1.5 F	1.8 F	2.6 F
TPH	TPH-Gasoline	TPH-GASOLINE	mg/kg	ND	ND	0.01 F	ND	ND	ND
PEST	4,4'-DDE	72-55-9	mg/kg	0.0018 F	R	ND	R	R	R
PEST	4,4'-DDT	50-29-3	mg/kg	R	ND	R	0.0078 F	ND	ND
PEST	Chlordane (Alpha)	5103-71-9	mg/kg	0.012 F	ND	ND	0.0059 F	ND	ND
PEST	Endosulfan sulfate	1031-07-8	mg/kg	0.0048 F	ND	0.14 J	R	ND	ND
PEST	Endrin aldehyde	7421-93-4	mg/kg	ND	R	0.011 F	R	ND	R
PEST	Heptachlor epoxide	1024-57-3	mg/kg	ND	ND	0.00091 F	R	ND	ND
PEST	Methoxychlor	72-43-5	mg/kg	0.043 F	ND	ND	R	ND	ND
PEST	beta-BHC	319-85-7	mg/kg	0.0042 F	R	0.0036 F	R	R	R
PCB	Aroclor-1260	11096-82-5	mg/kg	ND	0.02 F	0.024 F	ND	ND	ND
METALS	Aluminum	7429-90-5	mg/kg	503	11500	9830	8660	8510	4990
METALS	Arsenic	7440-38-2	mg/kg	1.7 F	11	10.2	10.8	10.6	6
METALS	Barium	7440-39-3	mg/kg	5.6	8.2	7.5	10.5	6.6	5
METALS	Beryllium	7440-41-7	mg/kg	ND	0.2 F	0.18 F	0.18 F	0.17 F	0.13 F
METALS	Cadmium	7440-43-9	mg/kg	ND	0.29 F	0.24 F	0.17 F	0.15 F	ND
METALS	Calcium	7440-70-2	mg/kg	367000	307000	323000	334000	331000	326000
METALS	Chromium	7440-47-3	mg/kg	5.6 F	44.7	38.1	54.5	42.4	26.1
METALS	Cobalt	7440-48-4	mg/kg	0.81 F	6.8 F	6.3 F	6.6 F	5.2 F	3 F
METALS	Copper	7440-50-8	mg/kg	2.2 F	10.6	10.3	7.5	8.1	5.9
METALS	Iron	7439-89-6	mg/kg	723	12000	11600	10800	9550	6240
METALS	Lead	7439-92-1	mg/kg	ND	0.77 F	1.4 F	0.53 F	ND	ND
METALS	Magnesium	7439-95-4	mg/kg	4310	5040	4480	4450	4140	5120
METALS	Manganese	7439-96-5	mg/kg	47.7	204	154	192	153	71.6
METALS	Nickel	7440-02-0	mg/kg	3	34	29	43.4	28.3	16.7
METALS	Potassium	7440-09-7	mg/kg	ND	124 F	129 F	68.8 F	ND	118 F

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Chemical Group	Analyte	CAS	Units	LF01-001	LF01-028	LF01-041	LF01-046	LF01-047	LF01-048
METALS	Sodium	7440-23-5	mg/kg	1530	234	210	236	186	461
METALS	Vanadium	7440-62-2	mg/kg	3.8	27.6	28.9	24	22.5	17.7
METALS	Zinc	7440-66-6	mg/kg	2.1	17.2	14.7	15.3	14.1	9.3
HERB	2,4-D	94-75-7	mg/kg	0.033 F	R	0.05 F	0.04 F	R	R
HERB	MCP	93-65-2	mg/kg	5 F	R	7.5 F	R	R	R

**Notes:**

Chemical Groups

VOC = volatile organic compounds  
 TPH = total petroleum hydrocarbons  
 PEST = pesticides  
 PCB = polychlorinated biphenyls  
 HERB = herbicides

Data Qualifiers

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.  
 ND = Not detected.  
 --- = Not analyzed.  
 R = Rejected.

Acronyms

mg/kg = milligrams per kilogram