

TABLE 4-10

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

Location	LF01-013	LF01-018	LF01-020	LF01-030	LF01-038	LF01-040	LF01-050
Sample ID	LF01-BH013C	LF01-BH018C	LF01-BH020C	LF01-BH030C	LF01-BH038C	LF01-BH040C	LF01-BH050C
Sampling Date	11/04/98	11/03/98	11/02/98	11/04/98	11/02/98	11/02/98	11/03/98
Depth (feet)	9.5-12	4.5-7	5.5-7.5	8.5-12	4-7	6-9	11-12.5
Chemical Group	Analyte	CAS	Units				
VOC	1,2-DCB	95-50-1	mg/kg	NA	ND	ND	ND
VOC	1,4-DCB	106-46-7	mg/kg	NA	ND	ND	ND
VOC	TCE	79-01-6	mg/kg	NA	ND	0.000575 D F	ND
TPH	TPH-Diesel	TPH-DIESEL	mg/kg	NA	2.1 F	2.6 F	3.35 F
TPH	TPH-Gasoline	TPH-GASOLINE	mg/kg	NA	ND	0.01 F	0.00625 D F
PEST	4,4'-DDT	50-29-3	mg/kg	ND	0.01 F	NA	NA
PEST	Chlordane (Alpha)	5103-71-9	mg/kg	ND	0.0013 F	NA	0.027 F
PEST	beta-BHC	319-85-7	mg/kg	R	0.0035 F	NA	NA
PCB	Aroclor-1016	12674-11-2	mg/kg	0.022 F	ND	NA	NA
PCB	Aroclor-1260	11096-82-5	mg/kg	0.028 F	0.016 F	NA	ND
PAH	Benzo (a) anthracene	56-55-3	mg/kg	NA	ND	0.0054 F	ND
PAH	Benzo (a) pyrene	50-32-8	mg/kg	NA	ND	0.0176 J	ND
PAH	Benzo (b) fluoranthene	205-99-2	mg/kg	NA	ND	0.0538	ND
PAH	Benzo (g,h,i) perylene	191-24-2	mg/kg	NA	ND	0.138 F	ND
PAH	Benzo (k) fluoranthene	207-08-9	mg/kg	NA	ND	0.0118 J	ND
PAH	Chrysene	218-01-9	mg/kg	NA	ND	0.02 F	ND
PAH	Indeno (1,2,3-c,d) pyrene	193-39-5	mg/kg	NA	ND	0.034	ND
PAH	Phenanthrene	85-01-8	mg/kg	NA	ND	ND	0.008 F
PAH	Pyrene	129-00-0	mg/kg	NA	ND	ND	0.006 F
METALS	Aluminum	7429-90-5	mg/kg	NA	11100 M	2410	14700 J
METALS	Antimony	7440-36-0	mg/kg	NA	ND	0.97	0.19 F
METALS	Arsenic	7440-38-2	mg/kg	NA	20.1 M	10.2	15.55 J
METALS	Barium	7440-39-3	mg/kg	NA	13.4	16	10.65
METALS	Beryllium	7440-41-7	mg/kg	NA	0.21 F	ND	0.25 F
METALS	Cadmium	7440-43-9	mg/kg	NA	0.24 F	0.55	0.305 F
METALS	Calcium	7440-70-2	mg/kg	NA	297000 M	324000	316000 J
METALS	Chromium	7440-47-3	mg/kg	NA	51.7	14.1 F	49.6 J
METALS	Cobalt	7440-48-4	mg/kg	NA	7.1 F	2.8 F	8.95 F
METALS	Copper	7440-50-8	mg/kg	NA	11.7	18.5	18 J
METALS	Iron	7439-89-6	mg/kg	NA	13800 M	11800	16900 J
METALS	Lead	7439-92-1	mg/kg	NA	3.9 M	74.6	10.1 J
METALS	Magnesium	7439-95-4	mg/kg	NA	4320 M	4970	5570
METALS	Manganese	7439-96-5	mg/kg	NA	226	123	254 J
METALS	Mercury	7439-97-6	mg/kg	NA	ND	0.06 F	ND
METALS	Nickel	7440-02-0	mg/kg	NA	33.4	7.1	43.7 J
METALS	Potassium	7440-09-7	mg/kg	NA	232 F	241 F	689.5 D
METALS	Sodium	7440-23-5	mg/kg	NA	291	530	287
METALS	Thallium	7440-28-0	mg/kg	NA	ND	0.57 F	ND
METALS	Vanadium	7440-62-2	mg/kg	NA	32.3	13.9	36.75 J
METALS	Zinc	7440-66-6	mg/kg	NA	35.3 M	65.9	29.9

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Chemical Group	Analyte	CAS	Units	LF01-013	LF01-018	LF01-020	LF01-030	LF01-038	LF01-040	LF01-050
HERB	2,4-D	94-75-7	mg/kg	R	0.059 M	R	R	0.021 F	0.037 F	R
HERB	Dalapon	75-99-0	mg/kg	ND	ND	ND	0.466 D J	ND	ND	ND
HERB	MCP	93-65-2	mg/kg	R	28 F	R	R	R	4 F	R

Notes:

Chemical Groups

VOC = volatile organic compounds
 TPH = total petroleum hydrocarbons
 SVOC = semivolatile organic compounds
 PEST = pesticides
 PCB = polychlorinated biphenyls
 PAH = polynuclear aromatic hydrocarbons
 HERB = herbicides

Abbreviations

mg/kg = milligrams per kilogram

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.
 DF = Same as "D", and the analyte was positively identified but the associated numerical value is below the reporting limit (RL).
 DJ = Same as "D", and the analyte was positively identified; the quantitation is an estimation.
 ND = Not detected.
 NA = Not analyzed.
 R = Rejected.