

**TABLE 4-9**

Statistical Summary of Chemicals Detected in Subsurface Soil (Beneath Landfill) at Site LF01

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	Units	Number of Detects	Number of Rejects	Total Number of Samples	Frequency of Detection <sup>1</sup>	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
VOC	1,2-DCB	mg/kg	1	--	6	17%	0.0001	0.0002	0.001	0.001
VOC	1,4-DCB	mg/kg	1	--	6	17%	0.0003	0.0003	0.0004	0.0004
VOC	TCE	mg/kg	2	--	6	33%	0.0002	0.0003	0.0004	0.000575
TPH	TPH-Diesel	mg/kg	6	--	6	100%	--	--	1.8	6.2
TPH	TPH-Gasoline	mg/kg	5	--	6	83%	0.005	0.005	0.00625	0.01
SVOC	3,3'-Dichlorobenzidine	mg/kg	--	6	6	--	--	--	--	--
SVOC	4-Chloroaniline	mg/kg	--	6	6	--	--	--	--	--
PEST	4,4'-DDT	mg/kg	3	--	4	75%	0.0013	0.0013	0.0019	0.048
PEST	Aldrin	mg/kg	--	4	4	--	--	--	--	--
PEST	alpha-BHC	mg/kg	--	4	4	--	--	--	--	--
PEST	beta-BHC	mg/kg	1	3	4	100%	--	--	0.0035	0.0035
PEST	Chlordane (Alpha)	mg/kg	2	--	4	50%	0.00067	0.00069	0.0013	0.027
PEST	Toxaphene	mg/kg	--	4	4	--	--	--	--	--
PCB	Aroclor-1016	mg/kg	1	--	4	25%	0.008	0.0095	0.022	0.022
PCB	Aroclor-1260	mg/kg	2	--	4	50%	0.0033	0.0038	0.016	0.028
PAH	Benzo (a) anthracene	mg/kg	2	--	6	33%	0.0014	0.0017	0.0034	0.0054
PAH	Benzo (a) pyrene	mg/kg	2	--	6	33%	0.0016	0.002	0.0035	0.0176
PAH	Benzo (b) fluoranthene	mg/kg	2	--	6	33%	0.0031	0.0037	0.0044	0.0538
PAH	Benzo (g,h,i) perylene	mg/kg	1	--	6	17%	0.004	0.005	0.138	0.138
PAH	Benzo (k) fluoranthene	mg/kg	1	--	6	17%	0.0015	0.0019	0.0118	0.0118
PAH	Chrysene	mg/kg	2	--	6	33%	0.001	0.001	0.004	0.02
PAH	Indeno (1,2,3-c,d) pyrene	mg/kg	1	--	6	17%	0.006	0.007	0.034	0.034
PAH	Phenanthrene	mg/kg	1	--	6	17%	0.001	0.002	0.008	0.008
PAH	Pyrene	mg/kg	1	--	6	17%	0.001	0.002	0.006	0.006
METALS	Aluminum	mg/kg	6	--	6	100%	--	--	2410	14700
METALS	Antimony	mg/kg	4	--	6	67%	0.58	0.7	0.19	0.97
METALS	Arsenic	mg/kg	6	--	6	100%	--	--	9	20.1
METALS	Barium	mg/kg	6	--	6	100%	--	--	4.6	16
METALS	Beryllium	mg/kg	3	--	6	50%	0.1	0.13	0.19	0.25
METALS	Cadmium	mg/kg	6	--	6	100%	--	--	0.16	0.55
METALS	Calcium	mg/kg	6	--	6	100%	--	--	297000	426000
METALS	Chromium	mg/kg	6	--	6	100%	--	--	14.1	51.7
METALS	Cobalt	mg/kg	6	--	6	100%	--	--	2.4	8.95
METALS	Copper	mg/kg	6	--	6	100%	--	--	6.3	27.9
METALS	Iron	mg/kg	6	--	6	100%	--	--	7520	16900
METALS	Lead	mg/kg	6	--	6	100%	--	--	1.2	74.6
METALS	Magnesium	mg/kg	6	--	6	100%	--	--	4320	5570
METALS	Manganese	mg/kg	6	--	6	100%	--	--	118	254
METALS	Mercury	mg/kg	1	--	6	17%	0.05	0.07	0.06	0.06

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

Chemical Group	Analyte	Units	Number of Detects	Number of Rejects	Total Number of Samples	Frequency of Detection <sup>1</sup>	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
METALS	Nickel	mg/kg	6	--	6	100%	--	--	7.1	43.7
METALS	Potassium	mg/kg	6	--	6	100%	--	--	232	689.5
METALS	Sodium	mg/kg	6	--	6	100%	--	--	242	806
METALS	Thallium	mg/kg	2	--	6	33%	0.08	0.39	0.57	0.6
METALS	Vanadium	mg/kg	6	--	6	100%	--	--	13.9	36.75
METALS	Zinc	mg/kg	6	--	6	100%	--	--	17.5	65.9
HERB	2,4,5-T	mg/kg	--	7	7	--	--	--	--	--
HERB	2,4,5-TP (Silvex)	mg/kg	--	7	7	--	--	--	--	--
HERB	2,4-D	mg/kg	3	4	7	100%	--	--	0.021	0.059
HERB	2,4-DB	mg/kg	--	7	7	--	--	--	--	--
HERB	Dinoseb	mg/kg	--	7	7	--	--	--	--	--
HERB	Dalapon	mg/kg	1	--	7	14%	0.022	0.027	0.466	0.466
HERB	MCP	mg/kg	2	5	7	100%	--	--	4	28

**Notes:**

<sup>1</sup> Frequency of detection is based on number of detections divided by [total number of samples minus number of rejections].

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  
 MDL = method detection limit