

TABLE 4-11

Statistical Summary of Chemicals Detected in Subsurface Soil (Outside 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 ¹	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value	Arithmetic Mean
VOC	TCE	mg/kg	1	--	6	17%	0.0003	0.0003	0.002	0.002	4.58E-04
TPH	TPH-Diesel	mg/kg	6	--	6	100%	--	--	1.1	3.3	2.10E+00
TPH	TPH-Gasoline	mg/kg	1	--	6	17%	0.004	0.005	0.01	0.01	3.67E-03
SVOC	3,3'-Dichlorobenzidine	mg/kg	--	6	6	--	--	--	--	--	--
SVOC	4-Chloroaniline	mg/kg	--	6	6	--	--	--	--	--	--
PEST	4,4'-DDE	mg/kg	1	4	6	50%	0.0004	0.0004	0.0018	0.0018	1.00E-03
PEST	4,4'-DDT	mg/kg	1	2	6	25%	0.0011	0.0011	0.0078	0.0078	2.36E-03
PEST	beta-BHC	mg/kg	2	4	6	100%	--	--	0.0036	0.0042	3.90E-03
PEST	Chlordane (Alpha)	mg/kg	2	--	6	33%	0.00056	0.0006	0.0059	0.012	3.18E-03
PEST	Endosulfan sulfate	mg/kg	2	1	6	40%	0.0011	0.0011	0.0048	0.14	2.93E-02
PEST	Endrin aldehyde	mg/kg	1	3	6	33%	0.0022	0.0023	0.011	0.011	4.42E-03
PEST	Heptachlor epoxide	mg/kg	1	1	6	20%	0.00025	0.00026	0.00091	0.00091	2.84E-04
PEST	Methoxychlor	mg/kg	1	1	6	20%	0.0013	0.0014	0.043	0.043	9.15E-03
PEST	Toxaphene	mg/kg	--	6	6	--	--	--	--	--	--
PCB	Aroclor-1260	mg/kg	2	--	6	33%	0.0031	0.0034	0.02	0.024	8.42E-03
METALS	Aluminum	mg/kg	6	--	6	100%	--	--	503	11500	7.33E+03
METALS	Arsenic	mg/kg	6	--	6	100%	--	--	1.7	11	8.38E+00
METALS	Barium	mg/kg	6	--	6	100%	--	--	5	10.5	7.23E+00
METALS	Beryllium	mg/kg	5	--	6	83%	0.11	0.11	0.13	0.2	1.53E-01
METALS	Cadmium	mg/kg	4	--	6	67%	0.113	0.115	0.15	0.29	1.61E-01
METALS	Calcium	mg/kg	6	--	6	100%	--	--	307000	367000	3.31E+05
METALS	Chromium	mg/kg	6	--	6	100%	--	--	5.6	54.5	3.52E+01
METALS	Cobalt	mg/kg	6	--	6	100%	--	--	0.81	6.8	4.79E+00
METALS	Copper	mg/kg	6	--	6	100%	--	--	2.2	10.6	7.43E+00
METALS	Iron	mg/kg	6	--	6	100%	--	--	723	12000	8.49E+03
METALS	Lead	mg/kg	3	--	6	50%	0.49	1.03	0.53	1.4	6.19E-01
METALS	Magnesium	mg/kg	6	--	6	100%	--	--	4140	5120	4.59E+03
METALS	Manganese	mg/kg	6	--	6	100%	--	--	47.7	204	1.37E+02
METALS	Nickel	mg/kg	6	--	6	100%	--	--	3	43.4	2.57E+01
METALS	Potassium	mg/kg	4	--	6	67%	25.2	26.4	68.8	129	7.76E+01
METALS	Sodium	mg/kg	6	--	6	100%	--	--	186	1530	4.76E+02
METALS	Vanadium	mg/kg	6	--	6	100%	--	--	3.8	28.9	2.08E+01
METALS	Zinc	mg/kg	6	--	6	100%	--	--	2.1	17.2	1.21E+01
HERB	2,4-D	mg/kg	3	3	6	100%	--	--	0.033	0.05	4.10E-02
HERB	2,4-DB	mg/kg	--	6	6	--	--	--	--	--	--
HERB	MCP	mg/kg	2	4	6	100%	--	--	5	7.5	6.25E+00

Notes:

¹ 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
 HERB = herbicides

Abbreviations

mg/kg = milligrams per kilogram
 MDL = method detection limit