

TABLE 1-2

Site LF01: Maximum Contaminant Concentrations Detected in Soil Samples During the IRP Phase II Stage 1 Field Investigation (HLA, 1992)
 Bellows OU1 EE/CA, Bellows AFS, Hawaii

Analyte	Maximum Detected Concentration	Region IX PRG Industrial	Exceeds PRG?	HDOH		Exceeds		Location	Depth (feet)	Landfill Material?
				Tier I	SAL	HDOH Tier I	SAL?			
Inorganics (mg/kg)										
Aluminum	84,600	1.00E+05	No	---	---	---	---	MW-1	20	No
Antimony	20	7.49E+02	No	---	---	---	---	B-3	0	Yes
Arsenic	114	2.99E+00	Yes	---	---	---	---	B-3	0	Yes
Barium	127	1.00E+05	No	---	---	---	---	B-3	0	Yes
Beryllium	3.22	3.40E+03	No	---	---	---	---	MW-1	20	No
Cadmium	40.2	9.34E+02	No	38	Yes	---	---	B-2	5	Yes
Chromium	399	4.50E+02	No	---	---	---	---	MW-1	20	No
Cobalt	113	2.86E+04	No	---	---	---	---	MW-1	20	No
Copper	5,230	6.96E+04	No	---	---	---	---	B-3	0	Yes
Iron	177,000	1.00E+05	Yes	---	---	---	---	B-3	0	Yes
Lead	2,510	7.50E+02	Yes	400	Yes	---	---	B-2	5	Yes
Magnesium	17,900	---	---	---	---	---	---	MW-2	6	No
Manganese	2,230	4.53E+04	No	---	---	---	---	MW-1	20	No
Mercury	0.386	5.60E+02	No	---	---	---	---	MW-1	10	No
Molybdenum	24.9	9.37E+03	No	---	---	---	---	B-2	0	Yes
Nickel	518	3.75E+04	No	---	---	---	---	B-3	0	Yes
Potassium	1,840	---	---	---	---	---	---	B-2	5	Yes
Selenium	78	9.37E+03	No	---	---	---	---	MW-4	5	No
Silver	2.43	9.37E+03	No	---	---	---	---	MW-1	10	No
Sodium	3,950	---	---	---	---	---	---	MW-1	10	No
Thallium	259	1.50E+02	Yes	---	---	---	---	B-3	0	Yes
Vanadium	203	1.31E+04	No	---	---	---	---	MW-1	15	No
Zinc	1,600	1.00E+05	No	---	---	---	---	B-2	5	Yes
PAHs (mg/kg)										
Benzo(a)anthracene	0.2	3.59E+00	No	6.4	No	---	---	B-2	5	Yes
Benzo(a)pyrene	0.08	3.59E-01	No	1.0	No	---	---	B-2	0 and 5	Yes
Benzo(b)fluoranthene	0.09	3.59E+00	No	20	No	---	---	B-2	0	Yes
Benzo(k)fluoranthene	0.08	3.59E+01	No	20	No	---	---	B-2	5	Yes
Chrysene	0.28	3.59E+02	No	6.4	No	---	---	B-2	5	Yes
Fluoranthene	0.39	3.74E+04	No	11	No	---	---	B-2	5	Yes
Indeno(1,2,3-cd)pyrene	0.06	3.59E+00	No	56	No	---	---	B-2	0	Yes
Phenanthrene	0.17	---	---	0.038	Yes	---	---	B-2	5	Yes
Pyrene	0.45	2.65E+04	No	---	---	---	---	B-2	5	Yes
TPH (mg/kg)										
Total petroleum hydrocarbons	215	---	---	---	---	---	---	B-1	0	Yes

Notes:

Bold indicates that the maximum concentration exceeded the PRG and/or the HDOH Tier 1 Action Level.

- Acetophenone, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, di-n-butylphthalate, diethylphthalate and methylene chloride were all detected in one or more samples but are suspected laboratory contaminants.
- Sample intervals were not reported; however according to boring logs 18-inch split-spoons were used for sampling.

PAHs = polynuclear aromatic hydrocarbons

SAL = soil action level

PRG = Preliminary Remediation Goal

TPH = total petroleum hydrocarbons

HDOH = Hawaii Department of Health

--- = Not applicable

Source: Final: Installation Restoration Program, Stage 1 Technical Report, Final, for Bellows Air Force Station, Hawaii (HLA, September 1992).