

TABLE 5-9

Summary of Rejected Pesticide Data and Comparison to Estimated Human Health Risk from Pesticides
 Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Chemical	CAS	Units	Number of Detections	Number of Rejections	Total Number of Samples	Frequency of Rejection	Chemical-Specific HQ	Chemical-Specific ILCR
TPH	TPH-Diesel	TPH-DIESEL	mg/kg	33	1	39	3%	1.81E-04	--
PEST	4,4'-DDD	72-54-8	mg/kg	18	20	53	38%	--	7.37E-10
PEST	4,4'-DDE	72-55-9	mg/kg	12	18	44	41%	--	9.50E-09
PEST	4,4'-DDE/Dieldrin	72-55-9/60-57-1	mg/kg	7	19	37	51%	--	--
PEST	4,4'-DDT	50-29-3	mg/kg	22	26	53	49%	1.12E-04	6.82E-09
PEST	Aldrin	309-00-2	mg/kg	20	17	39	44%	3.69E-04	6.72E-08
PEST	alpha-BHC	319-84-6	mg/kg	14	17	39	44%	--	1.98E-09
PEST	beta-BHC	319-85-7	mg/kg	17	17	39	44%	--	5.73E-09
PEST	Chlordane (Alpha)	5103-71-9	mg/kg	8	22	39	56%	3.67E-05	1.02E-09
PEST	Chlordane (Gamma)	5103-74-2	mg/kg	10	19	39	49%	2.54E-05	7.08E-10
PEST	delta-BHC	319-86-8	mg/kg	13	17	39	44%	--	--
PEST	Dieldrin	60-57-1	mg/kg	1	1	2	50%	3.52E-05	1.01E-08
PEST	Endosulfan I	959-98-8	mg/kg	9	19	38	50%	2.33E-07	--
PEST	Endosulfan II	33213-65-9	mg/kg	6	21	53	40%	6.37E-07	--
PEST	Endosulfan sulfate	1031-07-8	mg/kg	18	18	39	46%	--	--
PEST	Endrin	72-20-8	mg/kg	10	18	53	34%	8.20E-07	--
PEST	Endrin aldehyde	7421-93-4	mg/kg	5	18	53	34%	--	--
PEST	gamma-BHC (Lindane)	58-89-9	mg/kg	13	17	39	44%	3.82E-06	5.32E-10
PEST	Heptachlor	76-44-8	mg/kg	19	18	39	46%	2.10E-05	1.69E-08
PEST	Heptachlor epoxide	1024-57-3	mg/kg	12	17	53	32%	3.52E-04	1.49E-08
PEST	Methoxychlor	72-43-5	mg/kg	9	17	53	32%	1.35E-06	--
PEST	Toxaphene	8001-35-2	mg/kg	--	39	39	100%	NC	NC
						Total		9.58E-04	1.36E-07
PCB	Aroclor-1016	12674-11-2	mg/kg	2	1	42	2%	2.13E-04	--
PCB	Aroclor-1242	53469-21-9	mg/kg	8	1	56	2%	--	8.67E-09
PCB	Aroclor-1248	12672-29-6	mg/kg	3	1	42	2%	--	8.72E-10
PCB	Aroclor-1254	11097-69-1	mg/kg	4	1	56	2%	1.34E-03	--
PCB	Aroclor-1260	11096-82-5	mg/kg	3	1	56	2%	--	4.77E-09
						Total		1.56E-03	1.43E-08
HERB	MCPD	93-65-2	mg/kg	4	1	38	39	1.62E-03	--

Notes:

HQ = hazard quotient

HI = hazard index

ILCR = increased lifetime cancer risk

mg/kg = milligrams per kilogram

PEST = pesticide

PCB = polychlorinated biphenyl

HERB = herbicide

NC = not calculable (No analytical data were available)

Dashes indicate no toxicity criteria were available.

Totals represent HI and cumulative risk calculated for pesticides and PCBs.