

Analytical Results of Soil Samples collected from East Kapolei- former pesticide mixing and loading area around the boiler area (DOH, February 14, 2007)

Contaminants	Soil Sample Numbers µg/kg			EAL for Leaching (ppb)	Previous analysis
	S1	S2	S3		
A. Total					
Pentachlorophenol	11,000	ND	8300	560	15,000
2,3,4,6-tetrachlorophenol	ND	ND	ND		
Diuron	460	510	570	1600	500
Chlorinated Herbicides					
2,4-D	ND <450	ND<450	400<450		1,700
2,4-DB	ND<450	ND<450	ND<450		
2,4,5-T	ND<110	ND<110	ND<110		
2,4,4,5-TP	ND<110	ND<110	ND<110		
Dalapon	ND<220	ND<230	ND<220		
Dicamba	ND<220	ND<220	ND<220		
Dichloropropene	ND<450	ND<450	ND<450		
Dinoseb	ND<67	79	ND<67		
MCPA	ND<45000	ND<45000	ND<45000		
MCPPP	ND<45000	ND<45000	ND<45000		
TCDD, TEQ	144.95	NA	NA	0.45	333
Trifluralin	49,000	58,000	63,000	14000	1,900
Atrazine	7,900	33,000	41,000	110	86,000
Ametryn	8,700	27,000	35,000	11,000	35,000
Dieldrin	ND	ND	ND	30	
Simazine	ND	ND	ND	250	
B. SPLP	µg/L				
Pentachlorophenol	ND	ND	ND		
Diuron	13	14	4.1		
Dieldrin	<9.5	<4.0	<10		
Trifluralin	12	4.3	12		
Ametryn	7.7	7.6	780		
Simazine	2	1.1	2		
Atrazine	330	130	790		

Results of Batch Leaching Test of soil samples collected from using MIS from East Kapolei Pesticide Mixing and Loading Area around the boiler area (DOH, February 14, 2007)

	Ametryn (µg/L)			Atrazine(µg/L)			Trifluralin(µg/L)			Diuron(µg/L)		
	SL01	SL02	SL03	SL01	SL02	SL03	SL01	SL02	SL03	SL01	SL02	SL03
Kd	1,100,000	3500	25	3.9	230	32	4100	13000	5200	15	16	120
Leachate Concentration	7.7	7.6	1400	1900	140	1300	12	4.3	12	29	31	4.8
Groundwater Concentration	-	-	-	93	-	-				1.5	1.5	-
Groundwater Action Level *NDW, >150m	150	150	150	350	350	350	20	20	20	200	200	200

Result of Batch Leaching Test of soil samples collected by EnviroServices from East Kapolei Pesticide Mixing and Loading Area

1. Ametryn

Parameters	2010-5-0	2010-5-3	2010-6-0	2010-6-3	2010-7-0	2010-7-3
Total conc. (mg/kg)	.018	0.037	0.025	0.020	0.087	0.081
SPLP (µg/L)	2.2	0.48	0.93	2.3	1.7	2.2
Kd	-	57	6.9	6.7	31	17
Estimated conc. leachate	-	0.64	3.5	3.0	2.8	4.7
Estimated conc. in GW	-	-	0.022	-	-	0.029
EAL	150	150	150	150	150	150

2. Atrazine

Parameters	2010-5-0	2010-5-3	2010-6-0	2010-6-3	2010-7-0	2010-7-3
Total conc. (mg/kg)	0.072	0.080	0.069	0.079	0.068	0.081
SPLP (µg/L)	2.2	2.2	2.4	2.3	2.4	2.2
Kd	13	16	8.8	14	8.3	17
Estimated conc. leachate	5.5	4.8	7.6	5.4	7.9	4.7
Estimated conc. in GW	0.28	0.24	0.38	0.27	0.39	0.24
EAL	350	350	350	350	350	350

3. Simazine

Parameters	2010-5-0	2010-5-3	2010-6-0	2010-6-3	2010-7-0	2010-7-3
Total conc. (mg/kg)	0.072	0.080	0.069	0.079	0.068	0.081
SPLP ($\mu\text{g/L}$)	2.2	2.2	2.4	2.3	2.4	2.2
Kd	13	16	8.8	14	8.3	17
Estimated conc. leachate	5.5	4.8	7.6	5.4	7.9	4.7
Estimated conc. in GW	0.28	0.24	0.38	0.27	0.39	0.24
EAL	250	250	250	250	250	250