US EPA RECORDS CENTER REGION 5
485658

TABLE 1: Contaminants Found in Soil Samples Collected at DeBoer Landfill on 07/16/87, (Concentrations-mg/kg).

COMPOUNDS	SAMPLES					
	EN 496 MEP 001 S-1	EN 497 MEP 002 S-2	EN 498 MEP 003 S-3	EN 499 MEP 004 S-4	EN 500 MEP 005 S-5	EN 075 MEP 006 S-6 Background
Phenanthrene	1.9	1.3	ND	0.63	1.3	1.2
Fluoranthene	3.5	2.5	ND	1.0	2.8	2.5
Pyrene	2.5	1.9	ND	0.79	2.1	2.0
Benzo(a)Anthracne	1.6	1.3	ND	ND	1.3	1.2
Chrysene	1.7	1.4	ND	ND	1.4	1.3
Benzo(b)Fluoranthene	2.1	2.0	ND	ND	1.3	1.4
Benzo(k)Fluoranthene	1.2	1.2	ND	ND	0.82	0.77
Benzo(a)Pyrene	1.5	1.5	ND	ND	1.1	0.98
Indeno(1,2,3,-cd)Pyrene	1.2	1.2	ND	ND	0.78	0.80
Benzo(g,h,i)Pyrene	1.1	1.1	ND	ND	ND	0.73
4,4'-DDD	ND	0.35	ND	0.08	ND	ND
Aluminium	2250	3560	3710	3990	10,100	5,310
Arsenic	6.1	7	ND	14	14	8.6
Barium	ND	ND	282	ND	ND	ND
Calcium	102,000	75,500	71,800	85,900	39,100	64,300
Chromium	12	17	21	17	23	14
Copper	43	166	61	56	234	31
Iron	15,600	29,600	99,500	26,100	59,900	16,200
Lead	72	127	97	68	71	64
Magnesium	54,400	43,000	28,700	50,500	22,900	35,200
Manganese	395	428	401	443	425	369
Nickel	ND	37	31	50	72	ND
Tin	ND	ND	ND	26	ND	ND
Zinc	111	196	465	311	189	99

TIC	MEP 001	MEP 002	MEP 003	MEP 004	MEP 005	MEP 006					
DTC	EN 496	EN 497	EN 498	EN 499	EN 500	EN 475					
SAMPLE	Soil	Soil	Soil	Soil	Soil	Soil					
COMPOUND	S-1	S-2	S-3	S-4	S-5	S-6 (Chalky Grey)					
chloromethane											
bromomethane											
vinyl chloride											
chloroethane											
methylene chloride											
acetone											
carbon disulfide											
1,1-dichloroethene											
1,1-dichloroethane											
trans-1,2,-dichloroethene											
chloroform											
1,2-dichloroethane											
2-butanone											
1,1,1-trichloroethane											
carbon tetrachloride											
vinyl acetate											
bromodichloromethane											
1,1,2,2-tetrachloroethane											
1,2-dichloropropane											
trans-1,3-dichloropropene											
trichloroethene											
dibromochloromethane											
1,1,2-trichloroethane											
benzene											
cis-1,3-dichloropropene											
2-chloroethylvinylether											
bromoform											
2-hexanone											
4-methyl-2-pentanone											
tetrachloroethene											
toluene											
chlorobenzene											
ethylbenzene											
styrene											
total xylenes											
N-nitrosodimethylamine											
phenol											
aniline											
bis(2-chloroethyl)ether											
2-chlorophenol											
1,3-dichlorobenzene											
1,4-dichlorobenzene											
benzyl alcohol											
1,2-dichlorobenzene											
2-methylphenol											
bis(2-chloroisopropyl)ether											
4-methylphenol											
N-nitroso-di-n-propylamine											
hexachloroethane											
nitrobenzene											
isophrone											
2-nitrophenol											
2,4-dimethylphenol											
benzoic acid											
bis(2-chloroethoxy)methane											
2,4-dichlorophenol											
1,2,4-trichlorobenzene											
napthalene											
4-chloroaniline											
hexachlorobutadiene											
4-chloro-3-methylphenol											
2-methylnapthalene											
hexachlorocyclopentadiene											
2,4,6-trichlorophenol											
2,4,5-trichlorophenol											
2-chloronaphthalene											
2-nitroaniline											
dimethyl phthalate											
acenapthylene											
3-nitroaniline											
acenaphthene											
2,4-dinitrophenol											
4-nitrophenol											
dibenzofuran											
2,4-dinitrotoluene											
2,6-dinitrotoluene											
diethylphthalate											
4-chlorophenyl-phenylether											
flourene											
4-nitroaniline											
4,6-dinitro-2-methylphenol											
N-nitrosodiphenylamine											
4-bromophenyl-phenylether											
hexachlorobenzene											

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COMPOUND		ITC	MEP 001	MEP 002	MEP 003	MEP 004	MEP 005	MEP 006					
		OTC	EN496	EN497	EN498	EN499	EN500	EN095					
		SAMPLE	Soil S-1	Soil S-2	Soil S-3	Soil S-4	Soil S-5	Soil S-6 Background					
pentachlorophenol													
phenanthrene	ppb		1900	1300		630	1300	1200					
anthracene													
di-n-butylphthalate													
fluoranthene	ppb		3500	2500		1000	2300	2500					
benzidine													
pyrene	ppb		2500	1900		790	2100	2000					
butylbenzylphthalate													
3,3'-dichlorobenzidine													
benzo(a)anthracene	ppb		1600	1300			1300	1200					
bis(2-ethylhexyl)phthlate													
chrysene	ppb		1700	1400			1400	1300					
di-n-octyl phthlate													
benzo(b&k)fluoranthene	ppb	R	2900 1700	2000 1200			1300 770	1400 770					
benzo(a)pyrene	ppb		1500	1500			1100	950					
indeno(1,2,3-cd)pyrene	ppb		1200	1200			750	800					
dibenzo(a,h)anthracene													
benzo(g,h,i)perylene	ppb		1100	1100				730					
alpha-BHC													
beta-BHC													
delta-BHC													
gamma-BHC(lindane)													
heptachlor													
aldrin													
heptachlor epoxide													
endosulfan I													
dieldrin													
4,4'-DDE													
endrin													
endosulfan II													
4,4'-DDD	ppb			350		80							
endrin aldehyde													
endosulfan sulfate													
4,4'-DDT													
methoxychlor													
endrin ketone													
chlordane													
toxaphene													
Aroclor-1016													
Aroclor-1221													
Aroclor-1232													
Aroclor-1242													
Aroclor-1248													
Aroclor-1254													
Aroclor-1260													
ELEMENT													
aluminum	ppm		2250	3560	3710	3990	10,100	5310					
antimony													
arsenic	ppm		61	7		14	14	8.6					
barium	ppm				282								
beryllium													
cadmium													
calcium	ppm		10,200	75,500	71,800	85,900	39,100	64,300					
chromium	ppm		12	17	21	17	23	14					
cobalt													
copper	ppm		43	166	61	56	234	31					
iron	ppm		15,600	29,600	99,500	26,100	59,900	16,200					
lead	ppm		72	127	97	68	71	64					
magnesium	ppm		54,400	43,000	28,700	50,500	22,900	25,200					
manganese	ppm		395	428	401	443	425	369					
mercury													
nickel	ppm			37	31	50	72						
potassium													
selenium													
silver													
sodium													
thallium													
tin	ppm					26							
vanadium													
zinc	ppm		111	196	465	311	189	99					
cyanide CHECK IF ANALYZED ( )													
TENTATIVELY IDENTIFIED ORGANICS													

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