

Appendix 3.5d The 10 Years VOC Monitoring Data Recorded at the Site Boundary of the Existing WENT Landfill

Parameter monitored at OM2-OM5	10-year averaged data at off-site monitoring location (in ug/m3, except methane in ppm)	Range for VOC off site monitoring (OM2-OM5)
1,1,1-Trichloroethane	2.83	0.6 - 180
1,2-Dibromoethane	1.00	1 - 1.5
1,2-Dichloroethane	0.37	0.3 - 3.8
a-Pinene	1.76	0.36 - 40
Benzene	3.96	0.49 - 57
b-Pinene	0.47	0 - 12
Butan-2-ol	2.65	1.4 - 62
Butanethiol	1.15	0 - 2
Carbon Disulphide	0.59	0 - 12
Carbon Tetrachloride	0.81	0.4 - 12
Chloroform	1.40	0.8 - 18
Dichlorodifluoromethane	36.70	0.6 - 1296
Dimethyl Sulphide	0.34	0 - 9.2
Di-n-propyl Ether	0.90	0.9 - 1.3
d-Limonene	10.75	0.34 - 380
Ethanethiol	1.44	0 - 81
Ethanol	54.29	8.2 - 409
Ethyl Butyrate	1.96	0.2 - 36
Ethyl Propionate	1.07	1 - 7.3
Ethylbenzene	15.54	0.5 - 480
m,p-Xylene	26.02	0 - 460
m-Dichlorobenzene	2.64	0 - 58
Methane (ppm)	97.27	0 - 100
Methanethiol	0.70	0 - 60
Methanol	28.34	0 - 36
Methyl Butyrate	1.04	0.32 - 6.3
Methyl Propionate	1.24	1.2 - 6.1
Methylene Chloride	94.10	0 - 2740
n-Buty Benzene	2.25	0.74 - 110
n-Butyl Acetate	3.73	0.67 - 140
n-Decane	1.86	0.55 - 47
n-Heptane	2.35	0.87 - 16
n-Nonane	1.50	0.42 - 14
n-Octane	1.46	0.34 - 8
n-Propyl Benzene	10.56	0.34 - 320
n-Undecane	1.49	0.34 - 12
o-Dichlorobenzene	1.57	0.9 - 22
o-Xylene	9.19	0.2 - 150
p-Dichlorobenzene	6.24	0 - 220
Propyl Propionate	2.66	1 - 74
Tetrachloroethylene	2.39	0.31 - 45
Toluene	90.91	0.2 - 2200
Trichloroethylene	2.20	0.2 - 25
Vinyl Chloride	2.29	0.3 - 318

Note:

All Concentration in ug/m3 (except methane in ppm)