

**Table 3.2 Characteristics of landfill leachates with respect to general chemical parameters**

Parameter	*Standard	Landfill No.				
		1	2	3	4	5
BOD <sub>5</sub> (mg/L)	20	11360 ± 703.42	1971 ± 16.46	2497 ± 221.31	1160 ± 98.49	1120 ± 73.43
COD (mg/L)	400	16000 ± 1130.62	6050 ± 44.44	4000 ± 312.77	2982 ± 308.64	2371 ± 222.71
TSS (mg/L)	50	130 ± 13.45	570 ± 27.40	800 ± 14.53	3000 ± 146.27	320 ± 22.91
NH <sub>3</sub> -N (mg/L)	5	21.3 ± 3.18	17.2 ± 1.73	3200 ± 185.00	29.0 ± 3.61	42.2 ± 4.00
TOC (mg/L)	NA	4700 ± 145.26	11100 ± 1056.42	45070 ± 1044.46	281 ± 16.70	247 ± 13.00
TN (mg/L)	NA	98 ± 13.45	50 ± 6.08	1700 ± 149.66	119 ± 6.24	54 ± 5.57
pH	6.0 – 9.0	8.05 ± 0.05	8.07 ± 0.03	8.19 ± 0.17	8.39 ± 0.11	7.27 ± 0.07

ND: Not detected

NA: Not available

\* Source: Environmental Quality Act, (EQA). [Regulation 13 (2009) Schedule 2], (2009)

'Table 3.2, continued'

**Characteristics of landfill leachates with respect to general chemical parameters**

Parameter	*Standard	Landfill No.				
		6	7	8	9	10
BOD <sub>5</sub> (mg/L)	20	171 ± 18.36	369 ± 32.97	81 ± 6.24	56 ± 8.18	925 ± 6.00
COD (mg/L)	400	455 ± 33.15	385 ± 12.29	165 ± 16.09	285 ± 37.24	2880 ± 128.55
TSS (mg/L)	50	50 ± 15.72	50 ± 6.08	10 ± 4.36	130 ± 13.86	200 ± 17.58
NH <sub>3</sub> -N (mg/L)	5	2.6 ± 0.82	10.0 ± 2.65	0.94 ± 0.19	5.0 ± 2.00	650 ± 8.89
TOC (mg/L)	NA	12 ± 2.00	27 ± 4.00	15 ± 2.65	ND	23000 ± 836.48
TN (mg/L)	NA	6 ± 2.00	102 ± 21.63	8 ± 2.65	32 ± 9.16	600 ± 43.30
pH	6.0 – 9.0	6.76 ± 0.05	7.54 ± 0.06	7.02 ± 0.17	6.29 ± 0.25	8.30 ± 0.11

ND: Not detected

NA: Not available

\* Source: Environmental Quality Act, (EQA). [Regulation 13 (2009) Schedule 2], (2009)