Annex D8

# Ambient VOCs, Ammonia and $H_2S$ Monitoring Results

*Table D8.1 Ambient VOCs, Ammonia and $H_2S$ Monitoring Results*

| Parameters | Limit Level | Monitoring Results (µg $m^{-3}$) | | | |
|---|---|---|---|---|---|
| | | AM1 | AM2 | AM3 | AM4 |
| Ammonia | 180 | 157 | 111 | 74 | 72 |
| H2S | 42 | <15 | <15 | <15 | <15 |
| Methane | NA [a] | 0.00033 %(v/v) | 0.00023 %(v/v) | 0.00018 %(v/v) | 0.00017 %(v/v) |
| 1.1.1-Trichloroethane | 5,550 | <0.8 | <0.8 | <0.8 | <0.8 |
| 1.2-Dibromoethane (EDB) | 39 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1.2-Dichloroethane | 210 | <0.3 | <0.3 | <0.3 | <0.3 |
| Benzene | 33 | 0.6 | 0.7 | 0.6 | 0.6 |
| Butan-2-ol | 667 | <0.6 | <0.6 | <0.6 | <0.6 |
| Butanethiol | 4 | <1.2 | <1.2 | <1.2 | <1.2 |
| Carbon Disulphide | 150 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 64 | <0.6 | <0.6 | <0.6 | <0.6 |
| Chloroform | 99 | <0.8 | <0.8 | <0.8 | <0.8 |
| Decanes | 3,608 | <0.7 | <0.7 | <0.7 | <0.7 |
| Dichlorobenzene | 120 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoro-methane | NA [a] | 1 | 1.2 | 1 | 0.9 |
| Dimethylsulphide | 8 | <0.2 | <0.2 | <0.2 | <0.2 |
| Dipropyl ether | NA [a] | <0.8 | <0.8 | <0.8 | <0.8 |
| Limonene | 212 | <0.4 | <0.4 | <0.4 | <0.4 |
| Ethanethiol | 13 | <0.6 | <0.6 | <0.6 | <0.6 |
| Ethanol | 19,200 | <3.8 | 3.9 | <3.8 | <3.8 |
| Ethyl butanoate | 71 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethyl propionate | 29 | <0.8 | <0.8 | <0.8 | <0.8 |
| Ethyl benzene | 738 | <0.5 | <0.5 | <0.5 | 0.6 |
| Heptane | 2,746 | <0.8 | <0.8 | <0.8 | <0.8 |
| Methanethiol | 10 | <0.4 | <0.4 | <0.4 | <0.4 |
| Methanol | 2,660 | 22.4 | 39.1 | 35.2 | 28.4 |
| Methyl butanoate | 30 | <0.8 | <0.8 | <0.8 | <0.8 |
| Methyl propionate | 353 | <0.7 | <0.7 | <0.7 | <0.7 |
| Methylene Chloride | 3,530 | 0.9 | 1.2 | 1.8 | 0.7 |
| Butyl acetate | 76 | <1.0 | <1.0 | <1.0 | <1.0 |
| Butyl benzene | 47 | <1.0 | <1.0 | <1.0 | <1.0 |
| Nonane | 11,540 | <0.9 | <0.9 | <0.9 | <0.9 |
| Propyl benzene | 19 | <0.8 | <0.8 | <0.8 | <0.8 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 7,942 | <0.9 | <0.9 | <0.9 | <0.9 |
| Propyl propionate | 276 | <1.0 | <1.0 | <1.0 | <1.0 |
| Terpenes | NA [(a)] | <0.8 | <0.8 | <0.8 | <0.8 |
| Tetrachloroethylene | 1,380 | <0.7 | <0.7 | <0.7 | <0.7 |
| Toluene | 1,244 | 1.2 | 0.9 | 1 | 1 |
| Trichloroethylene | 5,500 | <1.1 | <1.1 | <1.1 | <1.1 |
| Undecane | 5,562 | <1.2 | <1.2 | <1.2 | <1.2 |
| Vinyl Chloride | 26 | <0.3 | <0.3 | <0.3 | <0.3 |
| Xylenes | 534 | 0.8 | 0.7 | 0.9 | 1.8 |

**Notes:**

(a) No relevant WHO/USEPA/CARB's ambient criteria, odour thresholds and WEL available.