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| **Table 1: Bioscrubber performance in removing toluene at different concentrations of cutting oil (5%, 7.5% and 10%)** |
| Operational parameters | Different concentrations of organic phase |
| 5 % | 7.5 % | 10 % |
| Minimum | Maximum | Mean(SD) | Minimum | Maximum | Mean(SD) | Minimum | Maximum | Mean(SD) |
| Inlet concentrationMg/m3 | 178 | 1507 | 729(400) | 130 | 1350 | 646(407) | 331 | 776 | 562(190) |
| Outlet concentrationMg/m3 | 62 | 930 | 4440(238) | 47 | 820 | 235(105) | 138 | 540 | 253(96) |
| Contaminant loadg/m3.h | 63 | 533 | 330(180) | 6.2 | 103 | 45(32) | 117 | 247 | 210(85) |
| Removal efficiency (%) | 35 | 65 | 55(8.8) | 38 | 63 | 53(9.5) | 30 | 58 | 45.8(7.3) |
| Elimination capacityg/m3.h | 30 | 227 | 110(62) | 17 | 291 | 129(91) | 38.9 | 163 | 99(40) |
| Percentage of carbon mineralization | 18 | 42 | 33(6) | 12 | 53 | 38(15) | 21 | 34 | 28(5.8) |
| The amount of biomassg/l | 0.8 | 23 | 13(4) | 1 | 19 | 15(5.4) | 1.5 | 32 | 19(8) |