

8. Examination of an Analytical Method of Oil Contaminated Soil and Research on the Application Method

Shigeru Kameda, Masao Konishi, Ryouzuke Imai

There are analysis method suitable for the monitoring and analysis method suitable for the estimation of the decomposition condition, etc., when the bioremediation is applied to the oil contaminated soil, and it is important to draft analyzer image when it understood the characteristic well. By analyzing the result of analysis in detail, decomposition behavior of polluted soil and estimation of the purification rate, etc. are possible, and bioremediation applicability judgment of the oil contaminated soil becomes possible. Because the oil concentration can be conveniently analyzed, infrared spectroscopy in future more and more would seem to will. however, it is necessary on effect of soil gap water on the analysis value and the reason, that it accumulates the data by various experiments, etc. and that the approach examines it in detail. The analysis of the polycyclic aromatic hydrocarbon seems to be a matter to be examined in the treatability test, because it seems to become the important analysis item with the oil concentration analysis.

Key words : oil contaminated soil, analysis, bioremediation, treatability test