

Analysis of Odorous Chemicals Collected in the Air of Railway Facilities

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From the customer's point of view, providing a more comfortable station environment is important. As a result of our previous research on indoor air quality of railway facilities, customers have shown a keen interest in the indoor air quality and odor in stations. In this report, we introduce a method how we can find out the odorous chemicals in air of railway facilities using GCMS-O (Gas Chromatography Mass Spectrometry-Olfactometry). As a result of analysis by GCMS-O, many volatile chemicals were detected in the samples of air in railways stations and we could find out the chemicals that were related to unpleasant odors. Therefore, GCMS-O is a very useful apparatus for analyzing chemicals that affect odor in railway facilities.