

Adsorption characteristics of H₂S, CH₃SH, and NH₃ on impregnated activated carbon

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H₂S, CH₃SH and NH₃ are typical malodorous gases. Adsorbed amounts of the gases were measured at the constant concentration on the impregnated activated carbon and oxidized steel. Especially, adsorbed amounts of the gases were affected by the humidity at the constant concentration. Adsorbed amounts of the gases increased with increasing the humidity. Adsorbed amounts of H₂S, CH₃SH, and NH₃ were 373.80 mg/g, 439.3 mg/g, and 39.8mg/g, respectively.