

## Basic experiments for continuous monitoring of CH<sub>3</sub> in the field by Mass spectrometer

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Continuous gas monitoring in the field is important issue for various purposes such as for heat trapping gas monitoring, poisonous gas monitoring and scientific objective. In order to analyze the gas in the field, small-sized gas analyzer using mass spectrometer have been developed in our group. In the field, identifying the location of the emitted gas is needed. To detect gas-emission in distant places from the analyzer, we made basic laboratory experiments using methane gas. In this presentation, we introduce the results of the experiment.

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