JOURNAL OF CATALYSIS **162,** 151–152 (1996)
ARTICLE NO. 0272

ERRATUM

Volume **159**, Number 1 (1996), in the article "Infrared Study of the Adsorption and Reaction of Methyl Chloride and Methyl Iodide on Silica-Supported Pt Catalysts," by K. C. McGee, M. D. Driessen, and V. H. Grassian, pages 69–82: On page 72, due to a printer's error, Figure 3 was replaced by a duplicate of Figure 6. For the reader's convenience, the correct Figures 3 and 6 and their legends are given here. To obtain corrected reprints of the original article, please contact V. H. Grassian, Department of Chemistry, University of Iowa, Iowa City, Iowa 52242.

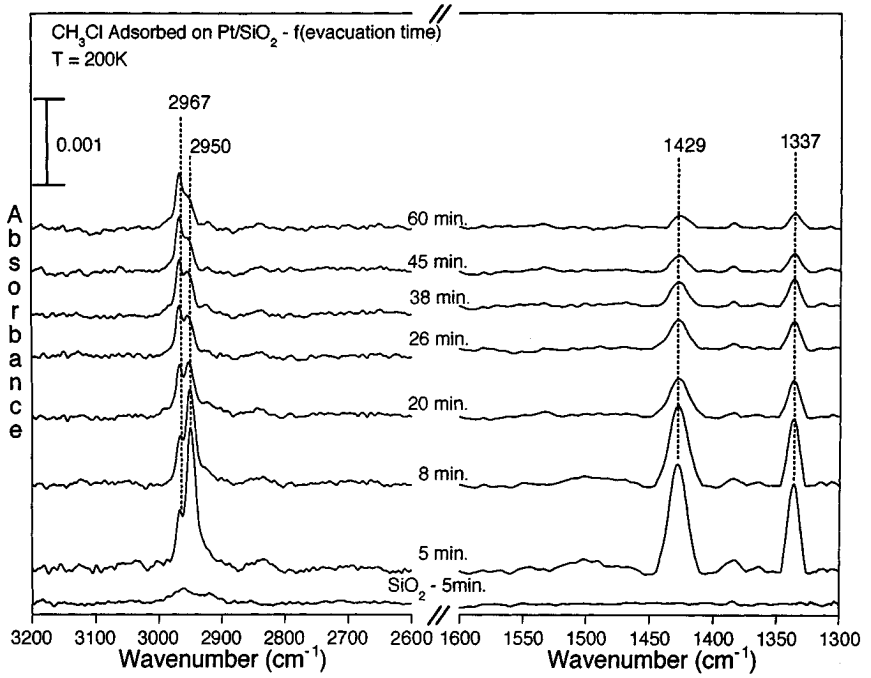

FIG. 3. Infrared spectra recorded of a Pt/SiO_2 catalyst as a function of evacuation time after initially introducing 7.1 Torr of gas-phase CH_3Cl. The absorption bands in the spectra are due to CH_3Cl and CH_3 adsorbed on the Pt particles. Also shown is the spectrum recorded for the pure SiO_2 sample. After evacuation for 5 min at 200 K, no infrared absorption bands are present on samples containing only SiO_2.

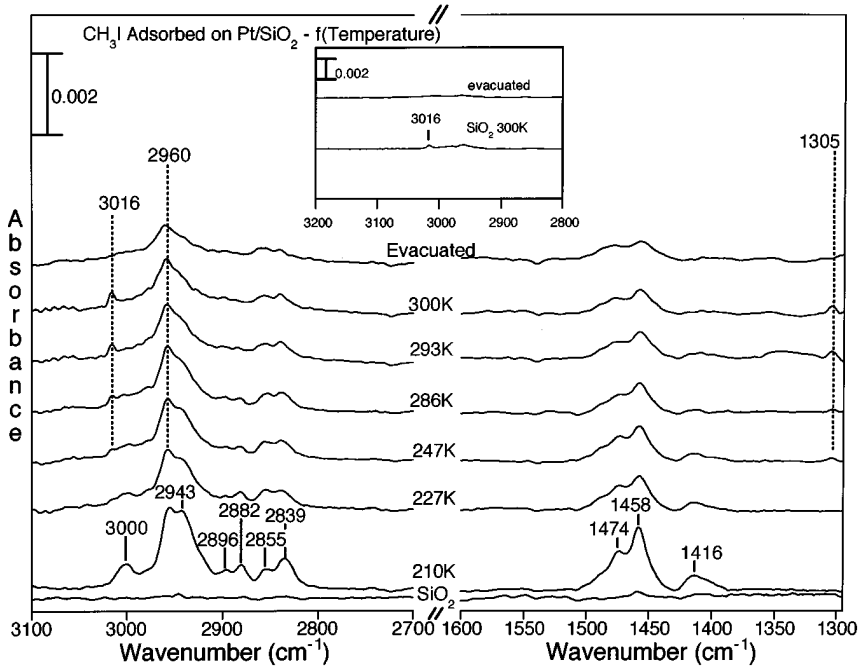

FIG. 6. Infrared spectra recorded of a Pt/SiO_2 catalyst as a function of temperature from 210 to 300 K after introducing 2 Torr of CH_3I and subsequent evacuation of CH_3I for 75 min. The IR cell valve was closed off from the pumps so that gas-phase species could be detected. Gas-phase methane is detected at temperatures of 247 K and above. The bottom spectrum is that of SiO_2 after evacuation for 75 min, showing no adsorption of CH_3I. The inset shows the spectrum of SiO_2 after warming to 300 K. The absorption band due to gas-phase CH_4 is seen.