

Abstract

The aim of the project was to analyze the sources of emission of sulfur dioxide in my campus IISER Mohali using the Model 43i Thermo Scientific SO₂ Analyzer. This instrument is specifically used for continuous and real time measurements of SO₂. The analysis was carried out considering the simultaneous presence of tracers CO, M42 (Acetonitrile) and NO_x. The tracers helped to eliminate certain sources and were useful in establishing concrete results. The results are obtained in terms of observed average of SO₂ mixing ratios and identification of the sources.