

Program	Program CEEEX Modul IV, contract 52/7.09.2005
Project title (ENG):	Implementation of EC Directives and Romanian legislation on the determination of emissions of volatile organic compounds from stationary sources as Total Organic Carbon or individual compounds
Project title (RO):	Implementarea Directivelor CE si a legislatiei romanesti privind determinarea compusilor organici volatili din emisiile surselor fixe sub forma de carbon organic total sau compusi individuali
Duration	2005-2007
Team Leader	Senior Researcher Eng. Elena Bucur
Summary (short description) ENG	In the project we proposed and realized the expansion accreditation of the Air Pollution laboratory with methods to solve the problem of quantifying the content of volatile organic compounds from waste gases emitted by stationary sources as total organic carbon, in accordance with Directive 1999/13 / EEC taken over by Romanian legislation by Government Decision 699/2003 as amended and supplemented through the HG1902 / HG1339 2004/2006, or as individual compounds according to the Order 462/1993. In the first phases they were purchased and put into operation the equipment needed to develop and validate methods: a gas chromatograph with FID detector, automatic TOC analyzer and sampling pump. Next steps were dedicated to the development of methods and their RENAR accreditation.
Summary (short description) RO	In cadrul proiectului ne-am propus si am realizat <i>extinderea acreditarii</i> laboratorului Poluare Aer cu metode care sa rezolve problema cuantificarii continutului de compusi organici volatili din gazele reziduale emise de sursele stationare sub forma de carbon organic total, in conformitate cu prevederile Directivei 1999/13/EEC preluate de legislatia romaneasca prin HG 699/ 2003 modificat si completat prin HG1902/2004 si HG1339/2006, sau sub forma compusilor individuali conform Ordinului 462/1993. Intr-o prima etapa au fost achizitionate si puse in functiune echipamentele necesare dezvoltarii si validarii metodelor, respectiv: un cromatograf de gaze cu detector FID, un analizor automat de TOC si o pompa de prelevare. Etapele urmatoarea au fost dedicate dezvoltarii metodelor si acreditarii lor RENAR.
Dissemination of results	
Full-paper BDI	Liviu Ionita, Elena Bucur, Ileana Nicolescu, Proficiency Testing Scheme for Air Emission, JEPE, Vol. 9, No. 1, 134-143 (2008)
Conferences (platform, poster, abstract / full-paper)	Elena Bucur , Cristina Neculescu, Liviu Ionita, Ileana Nicolescu, Survey, Emission and Evaluation of volatile organic chemicals, SIMI 2007", Bucharest, October 25-27, Proceedings, Vol. II, pg. 184-189, 2007, ISSN 1843-5831;