

**Goal of the project:**

Determination of gaseous and solid pollutants on stacks and air quality (immissions) in the vicinity of the company.

**Short description of the project:**

The product of the research activity for the client is the analysis report. Thus the quality of this report is resulting from the quality of the information/data basis accomplished through on line measurements. The precision of the experimental data is an important requirement, being thus the basis of the accuracy of the report. The instruments used for measurements are: TESTA FID 123, STROHLEIN STE4, LSV3 analyzer, TESTO 350XL analyzer, analyzer 3180 GMH manometer and mobile laboratory.

**Project implemented by:**

LaCIEDI-N- Laboratory for Fuel Analyses, Ecological Investigations and Pollutant Dispersion

**Implementation period:**

July 2012- July 2013

**Research centre:**

Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control

**Applicability and transferability of the results:**

On customer request, the results reports are confidential.

**Main activities:**

Measurements in situ/phase, results processing, data interpretation and preparation of analysis bulletin/report.

**Results:**

- VOC from gaseous effluent, indicated as TOC (emission);
- Measurement concentration of the NO, NO<sub>2</sub>, NO<sub>x</sub>, CO, SO<sub>2</sub> and particles (emission);
- Thermodynamic parameters (pressure);
- Measurement concentration of the CO, NO, NO<sub>2</sub>, NO<sub>x</sub>, SO<sub>2</sub>, CH<sub>4</sub>, VOC, TOC, O<sub>3</sub> and PM10 air quality concentrations (immission in the vicinity).

**Fields of interest:**

The LaCIEDI-N-Laboratory acts according standard SR EN ISO/CEI 17025:2005 and it is RENAR accredited with certificate no. LI 787 from 22.06.2009.

**Financed through/by:**

SC CONTITECH ROMANIA SRL

**Research team:**

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