VIETNAM ACADEMY OF SCIENCE AND TECHNOLOGY

INSTITUTE OF ENVIRONMENTAL TECHNOLOGY

DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYSIS

Department of Environmental Quality Analysis
ISO/IEC 17025:2005
VILAS 366

Functions - Tasks

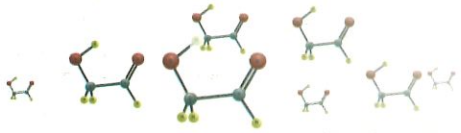
- Development of techniques of analysis for environmental components;
- Research on methods of environmental toxicity analysis;
- Research on manufacture of nano materials and their application for treatment of toxic substances in the air and water environment;
- Investigation and assessment of environmental pollution levels caused by chemicals and pollution impacts to human health;
- Performance of standardized environmental analysis, and;
- Conduct of basic and advanced training in the field of environmental analysis.

Training

- Cooperation with domestic and abroad research institution for training various levels of bachelor, engineer, master and doctor, as well as government officials and staffs of enterprises in the field of environment;
- Organizing the training courses, both in national and international scale, on monitoring and analyzing the environment quality.

International cooperation

- Cooperation with Nagoya University (Japan), The National Institute of Industrial Science and Technology (AIST - Japan), University of Paris VII Montpellier 2 University (France), Dresden University of Technology (Germany), ERTC (Thailand), etc.



Department of Environmental Quality Analysis has analytical laboratory which is fully equipped with modern quipments such as AAS, HPLC, GC, ICP-MS, GC/MS/MS, LC/MS, GC/MS, etc., along with the young staffs who are highly skilled, experienced and have carried out lots of projects related to the environment;

- Analysis of pesticides, PCBs; VOCs in soil, water, air and solid waste samples by GC, GCMS and GCMSMS;
- Analysis of more than 60 elements including metals, non-metals, rare earths (La, Ce, etc.) in the soil, water, air, fertilizer and chemicals samples, etc. by ICPMS;
- Analyzing elemental form of inorganic - organic arsenic, inorganic – organic mercury and other compounds by coupling system ICPMS/HPLC;
- On-site devices for quickly measuring parameters such as: pH, temperature, noise level, turbidity, conductivity, salinity, TDS, DO, Eh, gases CO, NO_x, SO_x, H_2S, NH_3, acid vapor, etc.

EXACTLY - HONESTY - TIMELY

Instruments for analysis of metals and trace inorganic compounds in Environment, food and biological samples

Atomic Absorption Spectrometer AAS - 6800, Shimadzu, Japan

Inductively Couple Plasma - Mass Spectrometer ICP-MS, ELAN 9000 - Perkin Elmer Sciex, USA

Ion chromatograph, Shimadzu, Japan

Analytical instrument for determination of toxic organic pollutant

Total Organic Carbon Analyser - Total Nitrogen Measuring Unit (TOC-Vcph), Shimazdu, Japan

Gas Chromatograph (GC), 2010, Shimadzu, Japan

Gas Chromatograph - Mass Spectrometer (GC-MS), QP-2010, Shimadzu, Japan

High Sensitivity Liquid Chromatograph Mass Spectrometer (LC-MS/MS), Thermo, Agilent

Instruments for field monitoring

Detection of pollutant from emission sources and ambient air pollution: Testo 350, Kimoto, Horiba, Multiwarn II, Drager, Sibata, Kanomax

Training on analytical technique and environmental monitoring

Training on environmental analytical technique

Monitoring for soil, water and air environments

Instruments for analysis of basic Parameters and sample preparation

UV-VIS 2450 equipment, Shimadzu, Japan

Speed wave 4, Berghof, Germany

INSTITUTE OF ENVIRONMENTAL TECHNOLOGY

DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYSIS (VILAS 366)

712 Room, Building A30, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Vietnam

Tel: (84-4) 3791 6512/ (84-4) 3791 1654/ 0915 381 354

Fax: (84-4) 3791 1203

Email: ntHue2003@iet.ac.vn; nthue2003@gmail.com

http://www.iet.ac.vn