Case Study
Dioxin analysis in soil

Customer: Sino-Japan Friendship Centre for Environmental Protection, China

The centre is a subsidiary of the Nation Environmental Protection Department. The main business fields include the environmental protection study, environmental publicity and education, environmental analysis, environmental information management, and environmental standard substances development, etc. The centre was founded in 1996 with the help of the Japanese government and the Chinese government. The centre focuses on the POPs analysis in the environment.

Application: Determination of dioxin in soil

The centre established the special laboratory in order to determine dioxin in environmental material such as soil, air and fly ash. Therefore the Extraction System B-811 is an important tool to extract the pollutants from the matrix and thereby to increase the efficiency of sample preparation.

Equipment: Extraction System B-811

The B-811 has four extraction modes, especially the hot extraction mode can increase efficiency. And the heating plates can be heated up to 400 °C, so that almost all solvents can be used for extraction. The four heating sources operate independently of one another so that in the event of a malfunction, only the affected heat source is involved and all the others continue to operate.

Benefit / Conclusion: Flexible and user-friendly

The B-811 excels in its flexibility in terms of different extraction modes, compatibility with all kind of solvents, and individual heating. The absence of cross-contamination is another important feature, as well as the user-friendliy operation.

"The Extraction System B-811 makes sample preparation easier and quicker. The two benefits, time-savings and lower solvent consumption, are obvious."
By Doctor Liu Aiming, Laboratory Director

EN-038-12/11