

## Monitoring of relevant trace contaminants including EU Watchlist substances

### Broad spectrum of capabilities based on high analytical sensitivities

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#### Project

Trace contaminant and micro pollutant monitoring including substances from the EU Watchlist. At selected sampling sites, also pharmaceuticals, diagnostics, as well as hormones are monitored.

#### Client

Administration de la gestion de l'eau (AGE), Luxemburg



#### Project description

During the last years, rising requirements can be observed regarding the parameter spectrum and sensitivity of surface water and ground water monitoring programmes. On the one hand, the required determination limits dropped to the lower nanogramme per litre (ng/l) range. On the other hand, the variety of substances of concern is getting broader and broader.

In addition to regional or national sets of substances of concern, the number of parameters derived from European water legislation is increasing as well. Since 2015, the so-called Watchlist is in place (COMMISSION IMPLEMENTING DECISION (EU) 2015/495). The European Member-states are requested to support the Commission's prioritisation process for substances of high concern (priority substances list) by providing monitoring data for new substances.

In addition, further relevant substances are in the focus of the water authorities and the consumers.

Primarily, the following parameters are under observation:

- Human and veterinary pharmaceuticals
- Diagnostics (e.g. X-ray agents)
- Hormones
- Chemicals from industrial effluents (e.g. pyrazole, flame retardants, softeners)

IWW is able and prepared to fulfill the high analytical requirements for all above mentioned substance groups. Of course, also the logistical requirements of sampling and/or sample bottle

dispatch to European countries are under control. Finally yet importantly we have the capability to perform a toxicologically evaluation of all measured data.

#### Current Project Luxemburg

Contracted by the „Administration de la gestion de l'eau“ (AGE) IWW is contributing to the execution of national monitoring campaigns of all water bodies for drinking water production in Luxemburg. Since 2015, also the Watchlist parameters are included.

#### Project duration

Typically between 2 and 3 years

#### Contact at IWW

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