

## SEEA-Water Table VII.1

### Indicators and their determinands included in the System for the Evaluation of Water Quality of France (SEQ-eau)

Indicators	Determinands <sup>a</sup>
Organic and oxidizable matter	Dissolved oxygen (O <sub>2</sub> ), percentage of oxygen (%O <sub>2</sub> ), chemical oxygen demand (COD), biochemical oxygen demand (BOD), dissolved organic carbon (DOC), ammonium minus nitrogen (N <sub>Kj</sub> ), ammonium (NH <sub>4</sub> )
Nitrogen (except nitrates)	NH <sub>4</sub> <sup>+</sup> , N <sub>Kj</sub> , nitrogen dioxide (NO <sub>2</sub> )
Nitrates	Nitrate radical (NO <sub>3</sub> )
Phosphorus	Phosphate (PO <sub>4</sub> <sup>3-</sup> ), total phosphorus
Suspended matter	Suspended solids, turbidity, transparency
Colour	Colour
Temperature	Temperature
Salinity	Conductivity, chlorine (Cl <sup>-</sup> ), sulphate (SO <sub>4</sub> <sup>2-</sup> ), calcium (Ca <sup>2+</sup> ), magnesium (Mg <sup>2+</sup> ), potassium (K <sup>+</sup> ), toxic air contaminant (TAC), hardness (mineral content)
Acidity	Acidity or alkalinity (pH), dissolved aluminium (Al)
Phytoplankton	%O <sub>2</sub> , and pH, zero pigments (chlorophyll a + pheopigments), algae, ΔO <sub>2</sub> (24 hours)
Micro-organisms	Total coliforms, faecal coliforms, faecal streptococci
Mineral micro pollutants in water	Arsenic, mercury, cadmium, lead, total chromium, zinc, copper, nickel, selenium, barium, cyanides
Metal on bryophytes (moss)	Arsenic, mercury, cadmium, lead, total chromium, zinc, copper, nickel
Pesticides in water	37 substances are of concern
Organic pollutants (except pesticides) in water	59 substances are of concern

Source: Louis-Charles Oudin, "River quality assessment system in France", paper presented at the International Workshop Monitoring Tailor-Made III — Information for Sustainable Water Management, Nunspeet, Netherlands, 2001. Available online at <http://www.mtm-conference.nl/mtm3/docs/Oudin2001.pdf>.

<sup>a</sup> The original list does not use the term determinand but parameter.