

Table S1. The standards and methods used for the chemical analysis of sludge

Number of analysis method according to Table 1	Standard/ Methods
(1)	SR EN ISO 10523:2012 Water quality. Determination of pH. The standard describes a method for determining the pH value also for water in liquid sludge, in the range from pH 2 to pH 12.
(2)	SR EN 27888:1997 Water quality. Determination of electrical conductivity. The standard establishes a method of measuring electrical conductivity for all types of water.
(3)	SR EN ISO 11885:2009. Water quality. Determination of selected elements by inductively coupled plasma optical emission spectroscopy (ICP-OES).
(4)	EPA Method 7473:2007 (SW-846): Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry, , SR EN 16192:2012 European Standard that specifies methods for the determination of some parameters in aqueous eluates for the characterization of waste, including Hg.
(5)	ASTM D3859-08 Standard Test Methods For Selenium In Water, based on Atomic Absorption Spectroscopy (AAS).
(6)	EN 12457-2:2003. Waste characterization. Leaching. SR EN 12457-4:2003. Characterization of waste - Leaching - Compliance test for leaching of granular waste materials and sludges.
(7)	SR EN ISO 10304-1:2009. Water quality. Determination of dissolved anions by liquid chromatography of ions.
(8)	SR EN 15216:2008. Characterization of waste - Determination of total dissolved solids (TDS) in water and eluates.
(9)	MSZ EN 1484:1998. Water analysis - guidelines for the determination of total organic carbon (toc) and dissolved organic carbon (doc).