

Our SHE goals and performance

Emissions to the Water

Our on-going efforts to reduce our planned emissions to water are reflected in the 99% reduction in total organic carbon (TOC) emissions in metric tons per CHF 1 million of sales since 1992.

Since 2014 we are tracking our water discharge destinations. The data show that more than 86% of the water that we withdraw is finally discharged to surface water and thus reusable.

Table 1: Water Discharge and Effluents

Destination	Volume of water discharged (Mio. m³)	Percent of Total discharged
Ground Water	0.08	0.6
Surface Water	11.51	86.6
Salt Water	1.09	8.2
Brackish Water	0.17	1.3
Third Party	0.44	3.3

TOC Emissions

We discharged 75.5 metric tons of TOC into surface waters in 2020. The elimination rates of waste water treatment plants used but not run by Roche were reconfirmed during the year thus providing more accurate information on the amount of TOC actually released into the environment.

Heavy metals emissions

After waste water purification, total heavy metal emissions to water were 174 kg in 2020, a decrease of 24% over 2019. Since 2017 these emissions started to increase again and have exceeded the emissions of 2015 in 2019. Despite this decrease in 2020, these emissions are still higher than in 2015. Though depending on the number and type of chemical and biological operations run at our manufacturing sites, we will have a closer look into these emissions and the corresponding performance of our waste water treatment plans.

