

# MONITORING OF SPRING WATER FOR KEROSENE CONTAMINATION

## SECTOR

Clean Water

## APPLICATION

Monitoring of water coming from a spring feeding a local water company

## CUSTOMER

Water Company, Slovenia

## INSTALLATION DATE

2019

## PROBLEM

A train accident where 10,000 litres of kerosene were spilled near the spring threatened the water source. After the spill the water plant was making 8 laboratory tests per day at a huge cost.

## PRODUCT

MS1200-01-SYS – Standard version, 4-20mA

## FULL STORY AND INSTALLATION FACTS

In June 2019 a train transporting kerosene derailed and 10,000 litres were spilled into the ground. The geography of the area meant that it was quite difficult to ascertain when and if the contamination was going to reach the water source (a spring which feeds a river). The local water treatment plant (WTP) relies on this water source and the only alternative is to import water from a nearby country at a cost of 1,500 Euro/hour.



*A picture of the unit installed in the outbuilding.*

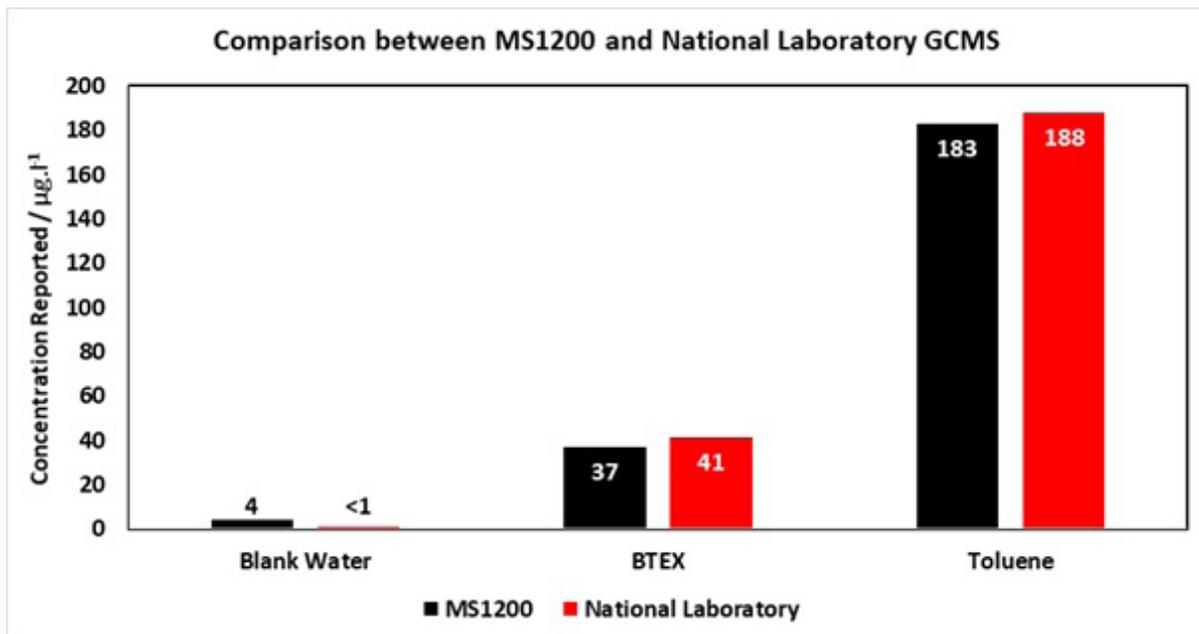
This meant that the water company had to strike a balance between keeping the water safe for consumption and, at the same time, keep the costs under control. For the first few months the WTP was doing a lot of testing to ensure the quality of the water, however, these tests, carried every 3 hours, came at a high cost themselves (2,400 Euro per day).

Multisensor was contacted to address the problem and after some consultations the MS1200 Oil in Water Monitor was installed at one of the two critical points.

In March 2020, the system was also tested by the National Laboratory in a test between the GC-MS and the online measurement, with the results below.

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Since then the WTP management can confidently rely on the analyser to give a measurement every 15 minutes and their testing with the laboratory has massively decreased leading to huge savings in money, time and effort.



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