

Well Flow Management

Fluids Sampling and Analysis | Mercury Analysis Services

Mercury (Hg) in gas, oil, condensate, and water

Accurate mercury measurements in oil and gas require onsite sampling and analysis.

Expro uses a range of equipment to deliver analysis according to standard methods, using atomic absorption spectroscopy (AAS), at the wellsite.

Hydrocarbon Gases

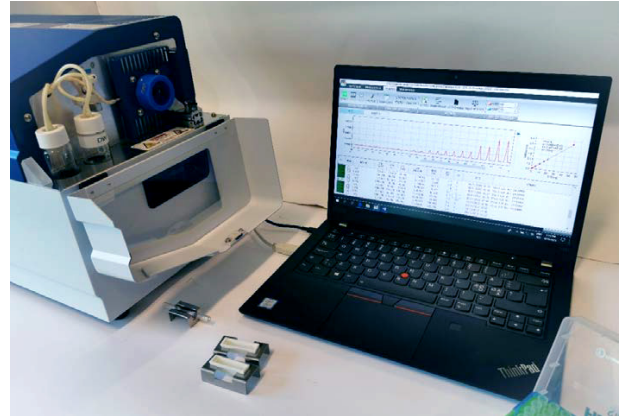
Mercury is trapped from a known volume of gas using a gold or platinum-based trap and subsequently determined on the trap using atomic absorption spectroscopy.

Hydrocarbon Liquids

Mercury in oil analysis is carried out using combustion coupled with atomic absorption spectroscopy.

Water

Mercury in water analysis carried out using combustion coupled with atomic absorption spectroscopy.



Specifications	Gas	Oil/Condensate	Water
Limit of Detection	0.01 µg/m ³	1 µg/kg	0.1 µg/kg
Measurement Range	0.01 – 100,000 µg/m ³	1 – 100,000 µg/kg	0.1 – 100,000 µg/kg
Analysis Technique	Gold trap, AAS	Combustion, AAS	Combustion, AAS
Standard Method(s)*	ISO 6978, ASTM D5954	UOP 938, ASTM D7623	EPA 7473

*basis for analysis technique

For more information contact your local Expro representative or email fluids@expro.com