

# Well Flow Management

## Fluids Sampling and Analysis | Mercury Analysis Services

### Mercury (Hg) Speciation

To help operators understand the forms of mercury present, the issues it may cause and the best way to remove it, Expro provides on-site mercury speciation analysis.

Using physical and chemical separation, mercury species present in oil and condensate can be divided into the following functional groups:

- Volatile (elemental) mercury
- Insoluble mercury, including HgS
- Soluble ionic mercury,
- Soluble, organic, non-ionic organic mercury

Further analysis by XRD / SEM recommended to give composition of insoluble compounds.

Specifications	
	Oil/Condensate
Limit of Detection	1 µg/kg
Measurement Range	1 – 100,000 µg/kg
Analysis Technique	Combustion, AAS
Standard Method(s)	UOP 938

All mercury analysis must be carried out on-site to ensure the most representative samples are obtained.



For more information contact your local Expro representative or email [fluids@expro.com](mailto:fluids@expro.com)