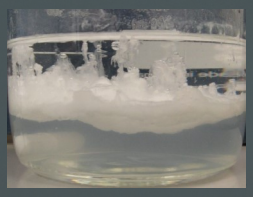
H_2S Scavenger Testing

Scaled Solutions offers a range of H_2S scavenger evaluation methods to assess both performance and potential adverse effects before application



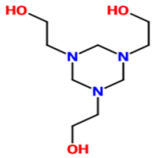
How our services can help you

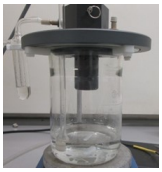


H_2S Scavenging Performance Testing

Most commonly used H_2S scavengers are based on triazine chemistry. The identification of new effective scavengers without the drawbacks of triazines is required to provide effective H_2S mitigation strategies.

Scaled Solutions provides test methodologies designed to evaluate the scavenging performance of these products and their impact on other areas of production, such as scale formation and control, and compatibility with other production chemicals.





Services

- Aqueous Performance Tests
- Oil-Based Scavenger Tests
- Breakthrough Tests
- Real time gas phase logging tests
- Assessment of By-Product Generation

H_2S Scavenger Scaling Effect Investigations

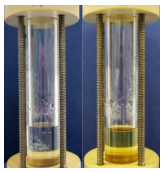


Scaled Solutions provides a range of services to measure the impact of sulfide scavenger dosing on other production chemical issues, particularly mineral scale formation. These include alkalinity measurements, generating data supporting brine chemistry modelling, verifying scale predictions in scale formation and testing of mitigation measures.

Facilities

- Real time gas phase H_2S detectors
- High Pressure High Temperature Autoclaves
- GC with sulfur-specific Flame Photometric Detector





Scaled Solutions

- Nilay Patel, Andrew Rafferty, Christine Stewart-Liddon, Paul Hammonds, Gordon M. Graham, Phillip Maskell (Scaled Solutions) and Dario Frigo (Plinius Chemical Consulting), 'Novel Techniques for the Evaluation of Hydrogen Sulfide Scavenger Performance and By-Product Stability ", Paper SPE 194661 Presented at the SPE Oil and Gas India Conference, Mumbai, India, April 2019
- C. Stewart-Liddon, A. Rafferty, G.M. and P Hammonds (Scaled Solutions); "Evaluation of Multiphase Hydrogen Sulfide Scavenger Performance and Analysis of Reaction By-products"; Presented at the 2019 Royal Society of Chemistry Oilfield Chemistry Symposium, Manchester, UK, November 2019
- Andrew Rafferty, Christine Stewart-Liddon, Caroline Simpson, Paul Hammonds, Gordon M. Graham and Phillip Maskell (Scaled Solutions); "Methodology to Evaluate the Performance and Stability of Hydrogen Sulfide Scavengers ", Paper SPE 193571 {Presented at the SPE International Conference on Oilfield Chemistry, Galveston, TX USA, ,April 2019

Truly Independent Laboratory

At Scaled Solutions, our mission is to be recognised worldwide through our independent specialised laboratories as the leading supplier of bespoke equipment, training, consultancy and provider of solutions to challenges in Production Chemistry, Corrosion and Formation Damage.

We aim to exceed our customers' expectations and improve our service to our customers on a continual basis through our key values: team work & communication, openness & transparency, continual improvement and trust.

Quality, Integrity, Safety and Excellence

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