

Most common services

Oil / Condensate / Rock-extract

- MPLC preparation of Sat + Aro fractions
- MPLC preparation of Sat + Aro + Resin + Asph. fractions
- SPE preparation of Sat + Aro fraction
- TLC-FID (Iatroscan; duplicate)
- GC high resolution C5-C7 range components (C7 GC)
- Whole oil GC, major components
- $\delta^{13}\text{C}$ of topped oil, extract or fraction (triplicate)
- δD of topped oil, extract or fraction (triplicate)
- $\delta^{13}\text{C}$ high resolution CSIA of C6-C7 components (triplicate)
- $\delta^{13}\text{C}$ CSIA of n-alkanes (triplicate; Incl. prep. of n-alkane fraction)
- δD CSIA of n-alkanes (triplicate; Incl. prep. of n-alkane fraction)

Gas / Mudgas / Headspace

- Gas composition (C1-C6+, H₂, Ar, O₂, N₂, CO₂, CO)
- GC high resolution C6-C7 range components (C7 GC)
- $\delta^{13}\text{C}$ of methane (triplicate)
- $\delta^{13}\text{C}$ C2-C5 (triplicate – natural gas samples)
- $\delta^{13}\text{C}$ C2-C5 (single run screening – mudgas samples)
- $\delta^{13}\text{C}$ high resolution CSIA of C6-C7 components (triplicate)
- $\delta^{13}\text{C}$ or δD of neo-C5 (triplicate)
- $\delta^{13}\text{C}$ of CO₂ (triplicate)
- $\delta^{15}\text{N}$ of N₂ (triplicate)
- δD of methane (triplicate)
- δD C2-C3 (triplicate)
- δD C4-C5 (triplicate)
- δD of H₂ (triplicate)

Water

- Gas composition of headspace + determination of gas volume
- δD of water (triplicate)
- $\delta^{13}\text{C}$ of Dissolved Inorganic Carbon (triplicate)

Source rock / Soil

- Sample preparation for TOC (drying, milling, solvent cleaning)
- TOC + Sulfur - duplicate analysis
- Milling of core(plug) for extraction
- Extraction (ASE or Soxhlet)
- $\delta^{13}\text{C}$ of crushed rock or Kerogen (Total Carbon)
- $\delta^{13}\text{C}$ of crushed rock (Acidified; Total Organic Carbon)
- Rock-Eval 6 Pyrolysis (Duplicate)
- Rock-Eval 6 Pyrolysis + Oxidation (Single run / duplicate)

Interpretation

For interpretation of our data, please contact our partner [MultiPhase Analytics](#).