CURRENT INTERNATIONAL SERVICES SCHEDULE

ANALYTICAL PROGRAM

Please Contact: info@stratochemlabs.com for a Personalized Quote

Sample Preparation
Sample Registration
Water Washing & Clean Up
Routine Sample Preparation (Inventorying, Crushing, Splitting)
Clean-up Solvent Extraction
RockWash Cuttings (Washing, Drying, Digital Photographing, & Archiving per Sample/100g)
Filtration for Mud
Separation of HC (Centrifuge)

Screening Analyses
Sample Hand-Picking for Fine Grains (<1mm)
Sample Hand-Picking for Coarse Grains (≥2mm)
Sample Contamination Removal
Routine Lithological Description
Detailed Lithological Description
Total Organic Carbon (TOC) Determination (LECO C230)
TOC Determination & Carbonate Analysis (LECO C230)
TOC Determination w/ Interpretive Report (LECO C230)
Total Sulfur (LECO C230)
Thermal Pyrolysis (Rock Eval 6 or SRA)
Rock-Eval Pyrolysis +TOC
Reservoir Pyrolysis (Three Temperature Step Heating Program)
Reservoir Pyrolysis (Five Temperature Step Heating Program)
API Gravity via Reservoir Pyrolysis

Core Analyses
Bulk Density
Grain Density
Core Porosity

Kerogen & Whole Rock Analyses
Kerogen Isolation
Microscopic Analysis of Kerogen Type*
Vitrinite Reflectance*
Kerogen Microscopy: Spore Color Index (CSI) and Thermal Alteration Index (TAI)*
Kerogen Microscopy Package: Vitrinite Reflectance, Kerogen Type, and TAI*
Pyrolysis/Gas Chromatography (PYGC) S1 only
Pyrolysis/Gas Chromatography (PYGC) S2 only**
Pyrolysis/Gas Chromatography (PYGC) S1 & S2
Pyrolysis/GC/GCMS S1 only
Pyrolysis/GC/GCMS S2 only**
Pyrolysis/GC/GCMS S1 & S2
Thermal Extraction GC (Rock or Soil)
Thermal Extraction GC/GC-MS (Light End Analysis for Rock or Soil)
Carbon Isotope: Kerogen*
Carbon Isotope: Whole Rock or Soil

Carbon Isotopes: Carbonate
Oxygen Isotopes: Carbonate
Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)
Elemental Analysis - Carbon, Hydrogen, Nitrogen, Sulphur, & Oxygen (ICP-OES)
* - Requires Kerogen Isolation; ** - Requires Solvent Cleaning; Preperatory Measures Included in Price
Oil/Rock Extract Analyses
Hand-Picking for Extraction
Extraction (Quantitative) - Soxhlet
Extraction (Quantitative) - Accelerated
Extraction (Quantitative) - Accelerated, Closed-System (Dionex)
Color Dilution for Extracts
Whole Extract Gas Chromatography (GC)
API Gravity
High Resolution Whole Oil GC
Detailed C4-C7 Gas Chromatography
High Temperature Gas Chromatography (HTGC): Whole Oil
HTGC: Saturate Fraction
Liquid Chromatography by Column Chromatography
Complete Fractionation of SARA (MPLC)
Latroscan TLC/FID Analysis (Determination of SARA)
Whole Oil SARA (Requires Detailed C4-C7 Gas Chromatography, Price Included)
Saturate Gas Chromatography (Includes Compound ID)
Carbon Isotope: Per Extract Fraction
Carbon Isotope: Whole Oil
Hydrogen Isotope: Whole Oil
Special Sample Preparation/Separation for Biomarkers Analysis (GC-MS)
Molecular Sieve Preparation for GC-MS
Biomarkers: Saturates (GC-MS)
Biomarkers: Aromatics (GC-MS)
Biomarkers: Whole Oil (GC-MS)
High Resolution Biomarker Analysis (GC-MS-MS)
Diamondoid Analysis (GC-MS-MS)
Nickel and Vanadium Content
Sulfur Content
Asphaltene Content
Pour Point (°C)
Viscosity (cSt @ 25°C)
Wax Content
Flash Point
Gas Chromatography Blank Subtraction Analysis & Processing
Oil Reservoir Continuity OR Commingled Prod. Allocation (Whole Oil & Detailed C4-C7 GC) (Includes **Interpretation)**
Compound Specific Isotope Analysis (CSIA) (GC-IRMS)
Hexane Extracts via Total Scanning Fluorescence (TSF)
Integration and Comparison w/ Previous Results **Per Sample**
Mol % Calculation
Gas Analysis
Head Space Gas Analysis (C1-C5) w/ Non-HC (CO2, O2, N2)
Cuttings Gas Analysis (C1-C5) w/ Non-HC (CO2, O2, N2)
Occluded Gas Analysis

Compositional Gas Analysis for Formation Gas Sample: Gas Chromotography (GC)
Compositional Mud Gas Analysis for IsoTubes (GC)
High Resolution GC (C4-C10)
Carbon Isotope (GC-IRMS)*
Carbon Isotope for CO2*
Carbon Isotope (After Purge & Trap Enrichment)*
Hydrogen Isotope*
Integration & Comparison w/ Previous Results
* - Priced Per Constituent
Kinetic Analyses
One-Run Kinetic Analysis (using/ Pyrolysis Run)
Obtain Kinetic Files from Archived Pyrolysis Data
Kinetic Analysis from Archived Pyrolysis Data
Conversion of Existing Kinetic Data (Specified 'A' Factor)
Obtain Separate Oil & Gas Kinetics from Existing One-Run Kinetics Data
GeoModel Calculations (TR vs Temp) for Kinetic Results
Traditional Kinetic Analysis on Kerogen or Whole Rock (Three Heating Rates)
Compositional Kinetic Analysis
Modeling
Data Collection, Review & Integration w/ Newly Generated Results
Heat Flow Calculation & Generation of Heat Flow Map
Calculation & Generation of Maturity Maps & Delineation of Kitchen Areas
Quantitative Estimation of Generated/Expelled Hydrocarbons
Delineation of Migration Pathways & HC Accumulation
Basin Mod 1-D Modeling: Calibration Well: Full Report
Basin Mod 1-D Modeling: Similar Additional Wells/Sites
Basin Mod 1-D w/ Sensitivity Analysis
BasinMod Risk
Results Integration & Report Prep for Each Modeling Study
Rent, Shipping & Field Work
Rental of 500cc Sample Cylinder Per Day
IsoTubes: Per Box (25 IsoTubes)
IsoTube: Manifold
Isojar: Headspace Sample Container
Field Installation of IsoTube Manifold in Logging Unit/Day*
Field Sampling of Gas and Oil/Condensate Samples per Day*
Transfer From Cylinder
Shipping of Samples
* - These Prices Do Not Include Travel and Accommodation Costs To Client
Interpretation, Consulting and Report Copies
Interpretation & Report Preparation (Digital & Hard Copy - $1,000 Minimum Charge)
Report Preparation (Digital & Hard Copy - NO Interpretation)
Presentation of the Report/Study Results (Remote)
Presentation of the Report/Study Results (In Person)*
Advanced Reports & Integration w/ Previous Analyses
Expedited Turnaround Time
Provision of Subcontractor Personnel to SCS Premises for Geochemical Data Processing (Review/Day)

Subcontract SCS Personnel to Client Premises for Geochemical Data Processing/Interpretation*

* - Excludes Travel and Accommodation Costs To Client

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