

by analyte /
measurement
parameter

GAS ANALYSIS

GAS & LIQUID

LIQUID ANALYSIS

| | AccuChrom GC Btu & Hydrocarbon Analyzers C6+ Plus Oxygen & CO C7+ C7+ Oxygen & CO Single-Component Analysis | | | | | ProTech Tape-Based Analyzers (903) H ₂ S H ₂ S/TS Arsine Phosphine Phosgene | | | | | Brimstone Sulfur-Recovery Analyzers Acid Gas Tail Gas Pit Gas CEM | | | | SulfurChrom GC for Sulfur Content Determination | GasMicro Electronic Volume Corrector | FPA 4100 Photometers Ultraviolet (UV) Visible (VIS) | | Monitek Turbidity, Suspended Solids, & Color Monitors | Monitek UltraSonic Oil-in-Water & TSS Monitors | Sentinel Chemical Analyzers Colorimeter Titrator Color Titrator ISE | | | Nametre Viscometers |
|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|---|--|---|--|---|--|---|--|--|-----------------------------------|
| Acidity in water & hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | |
| Alkalinity in water & hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum Al | | | | | | | | | | | | | | | | | | | | | | | | |
| Amine loading | | | | | | | | | | | | | | | | | | | | | | | | |
| Amine strength | | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonia NH ₃ | | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonium NH ₄ ⁺ | | | | | | | | | | | | | | | | | | | | | | | | |
| APHA color | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM color | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsine AsH ₃ | | | | | | | | | | | | | | | | | | | | | | | | |
| Boron (as boric acid) B(OH) ₃ | | | | | | | | | | | | | | | | | | | | | | | | |
| Btu | | | | | | | | | | | | | | | | | | | | | | | | |
| Butane C ₄ H ₁₀ | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium/magnesium Ca/Mg | | | | | | | | | | | | | | | | | | | | | | | | |
| Calorific value | | | | | | | | | | | | | | | | | | | | | | | | |
| Carbon dioxide CO ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Carbon monoxide CO | | | | | | | | | | | | | | | | | | | | | | | | |
| Carbonyl sulfide COS | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium Ca | | | | | | | | | | | | | | | | | | | | | | | | |
| Caustic & carbonate | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemical oxygen demand (COD) | | | | | | | | | | | | | | | | | | | | | | | | |
| Chloride | | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorine (0 to 20 ppm) Cl | | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorine (50 to 2,000 ppm) Cl | | | | | | | | | | | | | | | | | | | | | | | | |
| Chromium, VI Cr | | | | | | | | | | | | | | | | | | | | | | | | |
| Chromium, total Cr | | | | | | | | | | | | | | | | | | | | | | | | |
| Cobalt Co | | | | | | | | | | | | | | | | | | | | | | | | |
| Cobalt sulfate CoSO ₄ | | | | | | | | | | | | | | | | | | | | | | | | |
| Color | | | | | | | | | | | | | | | | | | | | | | | | |
| Color of fuel | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper Cu | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper sulfate | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyanide (free) CN ⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Ethane C ₂ H ₆ | | | | | | | | | | | | | | | | | | | | | | | | |
| Ethyl mercaptan CH ₃ CH ₂ SH | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluoride F ⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Formaldehyde CH ₂ O | | | | | | | | | | | | | | | | | | | | | | | | |
| Formic acid CH ₂ O ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrogen sulfide H ₂ S | | | | | | | | | | | | | | | | | | | | | | | | |
| Hardness (magnesium & calcium) | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazen color | | | | | | | | | | | | | | | | | | | | | | | | |
| Heating value | | | | | | | | | | | | | | | | | | | | | | | | |
| Hexane C ₆ H ₁₄ | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrazine H ₂ NNH ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocarbons - unsaturated | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypochlorite ClO | | | | | | | | | | | | | | | | | | | | | | | | |
| Iron Fe | | | | | | | | | | | | | | | | | | | | | | | | |
| LPG | | | | | | | | | | | | | | | | | | | | | | | | |
| Magnesium (as per hardness) | | | | | | | | | | | | | | | | | | | | | | | | |
| Manganese Mg | | | | | | | | | | | | | | | | | | | | | | | | |
| Methane CH ₄ | | | | | | | | | | | | | | | | | | | | | | | | |
| Methyl mercaptan CH ₃ S | | | | | | | | | | | | | | | | | | | | | | | | |
| Molybdate | | | | | | | | | | | | | | | | | | | | | | | | |
| Natural Gas | | | | | | | | | | | | | | | | | | | | | | | | |
| Nickel Ni | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrate NO ₃ ⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrite NO ₂ ⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitrogen N | | | | | | | | | | | | | | | | | | | | | | | | |
| Oil in water | | | | | | | | | | | | | | | | | | | | | | | | |
| Organic Carbon | | | | | | | | | | | | | | | | | | | | | | | | |
| Oxygen O | | | | | | | | | | | | | | | | | | | | | | | | |
| Pentane C ₅ H ₁₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Peroxide (hydrogen peroxide) H ₂ O ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Phenol C ₆ H ₆ O | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosgene CCl ₂ O | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosphate (Ortho) | | | | | | | | | | | | | | | | | | | | | | | | |
| Phosphine PH ₃ | | | | | | | | | | | | | | | | | | | | | | | | |
| Potassium K | | | | | | | | | | | | | | | | | | | | | | | | |
| Pressure | | | | | | | | | | | | | | | | | | | | | | | | |
| Propane C ₃ H ₈ | | | | | | | | | | | | | | | | | | | | | | | | |
| Pt-Co (platinum-cobalt) color | | | | | | | | | | | | | | | | | | | | | | | | |
| Relative density | | | | | | | | | | | | | | | | | | | | | | | | |
| Saybolt color | | | | | | | | | | | | | | | | | | | | | | | | |
| Silica SiO ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfite SO ₂ ²⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfur dioxide SO ₂ | | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium Na | | | | | | | | | | | | | | | | | | | | | | | | |
| Speciated sulfur | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific gravity | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfate SO ₄ ²⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfide S ²⁻ | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfide loading in amine scrubber | | | | | | | | | | | | | | | | | | | | | | | | |
| Sulfur in fuels as mercaptans | | | | | | | | | | | | | | | | | | | | | | | | |
| Suspended solids | | | | | | | | | | | | | | | | | | | | | | | | |
| Tail gas | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| Total acid gas loading in amine scrubber | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Chlorine (>50 ppm) | | | | | | | | | | | | | | | | | | | | | | | | |
| Total reduced sulfur | | | | | | | | | | | | | | | | | | | | | | | | |
| Total sulfur | | | | | | | | | | | | | | | | | | | | | | | | |
| Turbidity | | | | | | | | | | | | | | | | | | | | | | | | |
| Viscosity | | | | | | | | | | | | | | | | | | | | | | | | |
| Volume correction | | | | | | | | | | | | | | | | | | | | | | | | |
| Zinc Zn | | | | | | | | | | | | | | | | | | | | | | | | |