PRITCHARD ANALYTICAL LAB

3310 Bankhead Highway Midland Texas 79701 432-218-6625 pritchardlab.com

Petroleum Analytical Lab

List of Laboratory Services and Fees,

Effective: July 1, 2023

3310 Bankhead Highway Midland Texas 79701 (432) 218-6625 pritchardlab.com July 1, 2023

Pritchard Analytical Laboratories, Inc. (PAL) is a Texas Corporation founded in November of 2016. After a brief intermission from February, 2017 to March 31, 2019, PAL reopened on April 1, 2019, as a full service, one stop laboratory that specializes in oilfield related analyses, including, but not limited to:

Produced Water Analysis
Oil Field Related Environmental Analysis
Scale-Deposit Analysis
Production Chemical Evaluation
Compositional Crude Oil Analysis
Compositional Natural Gas Analysis
Hydrogen Sulfide Surveys
Single Stage Separator Flash Studies

Analysis and analytical services are our only business at PAL. We offer the best service available to our clients through faster response time and competitive prices (all of our analyses are performed on site, not shipped to another facility). When you use PAL for your analytical needs, you can rest assured that all of your samples are analyzed and the data reported without any predetermined bias. PAL uses industry approved analytical procedures (GPA, EPA, NACE, API, or ASTM Standard Methods) with true state of the art analytical instruments. While using standardized analytical procedures are critical, PAL is eager to work with you to help develop analytical protocol designed for your special projects, or to help provide customized analysis for research projects.

This price schedule lists most of the more common services available, however, it does not list all of the analysis and services that PAL can provide. Special testing and services not listed in this schedule are available on request and we welcome the opportunity to discuss your analytical needs.

We believe that you will find our service rates very reasonable and competitive. We welcome the opportunity to discuss your analytical needs and provide quotes for volume or contractual work. Please do not hesitate to call if you should have any questions concerning the analytical procedures used, the fees charged, or need further assistance. We are looking forward to working with you in the future.

PAL is owned and operated by James R. Pritchard. James grew up working in his parents' lab (Caprock Laboratories, Inc.) and has over 20 years of experience in petroleum analysis and laboratory services. James (with the advice and expertise of his parents) is dedicated to carrying on the tradition of excellent service and accurate analyses provided nationwide to the petroleum industry, by the Pritchard family.

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Index

| Parameters | | · | | Page |
|--|------|-----|-----|-------|
| Wet Chemistry, Individual Parameters | | | | 1-2 |
| Wet Chemistry, Water & Produced Brine Analysis | | | | 2-3 |
| Environmental Services and Analysis | | | · . | 4-5 |
| Production Chemical Analysis and Evaluation | | | | 6 |
| Chromatographic Analysis | | | | 7-8 |
| Chromatographic Analysis, Single Stage Separator Fla | sh | | | 9 |
| Additional Gas Analysis | | . • | - | 10 |
| Gas Plant Production Chemical Analysis (Glycol/Amin | ies) | | | 11 |
| General Petroleum Analysis, Individual Parameters | | | | 11-13 |
| Miscellaneous Services | | | · | 13 |
| Sample Equipment and Containers | | :. | | 13-14 |
| General Terms and Conditions | | | | 15-16 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Wet Chemistry, Individual Parameters

| Analyte | Reference | Price, US\$ |
|---|---------------------------------|-------------|
| | | |
| Alkalinity | API RP 45 | 30.00 |
| Barium | API RP 45 | 30.00 |
| Carbonate | API RP 45 | 30.00 |
| Calcium | API RP 45 | 30.00 |
| Chloride | API RP 45 | 30.00 |
| Chlorine | Hach Method | 45.00 |
| Chromium, Hexavalent | Hach Method | 45.00 |
| Chromium, Total | Atomic Absorption | 50.00 |
| Iron | API RP 45 | 30.00 |
| Magnesium | API RP 45 | 30.00 |
| Total Petroleum Hydrocarbons, Oil & Greas | se EPA 418.1 | 75.00 |
| Oxygen, Dissolved | API RP 45, DO Meter | 60.00 |
| pH | API RP 45, pH Meter | 30.00 |
| Phosphorus, Phosphate | | |
| Total Phosphates by Digestion | API RP 45 | 50.00 |
| Ortho Phosphates | API RP 45 | 40.00 |
| Phosphate Calibration Curve/Chemical | API RP 45 | 100.00 |
| Resistivity, | | |
| Brine Water | API RP 45 | 30.00 |
| Drilling Mud Filtrate | Bariod Resistivity Meter | 70.00 |
| Drilling Mud | Bariod Resistivity Meter | 50.00 |
| Solids, | | |
| Dissolved, By Evaporation | API RP 45 | 45.00 |
| Dissolved, by TDS Meter | Bariod Resistivity Meter | 30.00 |
| Dissolved, by Total Water Analysis | API RP 45 | 100.00 |
| Suspended, Membrane Filter | API RP 45 | 50.00 |
| Specific Conductance, Brine water | Bariod Resistivity Meter | 30.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Wet Chemistry, Water & Produced Brine Analysis

July 1, 2023

Reference

Analyte

Price, USS

| Analyte | Reference | Frice, US \$ |
|---|------------------------|--------------|
| Routine Major Mineral Analysis, Includes | API RP 45 | 120.00 |
| Calcium, Magnesium, Sodium (calculated) | | |
| Carbonate, Bicarbonate, Sulfate, Chloride, | | |
| Sulfide as H₂S, pH, Resistivity (calculated) | | |
| Specific Gravity, Scaling Tendencies, CaSO ₄ | | |
| and CaCO ₃ , and API Water Patterns | | |
| Filterable Solids Analysis* | 0.45µ Membrane Filter | 80.00 |
| Analysis includes; mass % and mg/L of hydro- | | |
| carbons, iron (oxides & sulfides), calcium | | ı |
| carbonate, and acid insoluble residues. | | |
| Reported data includes: total mL of water filtered, | | |
| water pressure, and elapsed time for filter rate | | |
| Spectrochemical Analysis, | Individual Parameters | |
| Barium | ICP or AA Spectrometry | 40.00 |
| Calcium | ICP or AA Spectrometry | 40.00 |
| Chromium | ICP or AA Spectrometry | 40.00 |
| Iron, Aqueous Matrix | ICP or AA Spectrometry | 40.00 |
| Iron, Hydrocarbon Matrix | ICP or AA Spectrometry | 45.00 |
| Magnesium | ICP or AA Spectrometry | 40.00 |
| Manganese, Aqueous Matrix | ICP or AA Spectrometry | 40.00 |
| Manganese, Hydrocarbon Matrix | ICP or AA Spectrometry | 45.00 |
| Nickel, Aqueous Matrix | ICP or AA Spectrometry | 40.00 |
| Nickel, Hydrocarbon Matrix | ICP or AA Spectrometry | 45.00 |
| Potassium | ICP or AA Spectrometry | 40.00 |
| Sodium | iCP or AA Spectrometry | 40.00 |
| Strontium | ICP or AA Spectrometry | 40.00 |
| Magnesium | ICP or AA Spectrometry | 40.00 |
| Vanadium, Aqueous Matrix | ICP or AA Spectrometry | 40.00 |
| Vanadium, Hydrocarbon Matrix | ICP or AA Spectrometry | 50.00 |
| | | |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Wet Chemistry, Water & Produced Brine Analysis, Continued

| July: 1, 20a | 59 | • |
|--|--------------------------|--------------|
| Analyte | Reference | Price, US \$ |
| Injection Water Quality Survey* | | , |
| Dissolved Oxygen | API RP 45, D O Meter | 60.00 |
| Filter Rate, 0.45 micron Filter | Millipore Filter Rate | 60.00 |
| Composition of Filterable Solids | 0.45µ Membrane Filter | 80.00 |
| Oil in Water | API RP 45 | 40.00 |
| Oil in Water, Calibration Curve | API RP 45 | 100.00 |
| Total Aerobic Bacteria | Serial Dilution | 60.00 |
| Sulfate Reducing Bacteria | Serial Dilution | 60.00 |
| Acid Reducing Bacteria | Serial Dilution | 60.00 |
| Routine Water Analysis | API RP 45 | 120.00 |
| | Individual Total | 640.00 |
| | Package Discounted Total | 570.00 |
| Filterable Solids Analysis* | 0.45µ Membrane Filter | 80.00 |
| Analysis includes; mass % and mg/L of hydro- | | • |
| carbons, iron (oxides & sulfides), calcium | | |
| carbonate, and acid insoluble residues. | | |
| Reported data includes: total mL of water filtered, | | |
| water pressure, and elapsed time for filter rate | | |
| Scale and Deposit Analysis | Propriety | 125.00 |
| Analysis includes visual description, odor, water | | |
| and hydrocarbon content. Also includes rate of | | |
| reaction to 15% Hydrochloric acid, major mineral | | 1 1 |
| content, and theoretical recombination. All efforts | | |
| are taken to identify at least 90% of the composition. | | |
| Time, Portal to Portal, Analyst (required for field studies) | * | 95.00 |
| Time, Portal to Portal, Safety Back Up (required for field s | | 80.00 |
| Mileage, Portal to Portal (required for field studies)* | | 1.80 |
| | | |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Environmental Services and Analyses

| Analyte | Reference | Price, US\$ |
|--|---------------------|-------------|
| Toxicity Characteristic Leaching Procedure | (TCLP) | |
| Liquid Wastes (Containing less than 0.5 % dry solid material) | EPA 1311 | 125.00 |
| Liquid Wastes (Containing greater than or equal to 0.5 % dry solid material) | EPA 1311 | 175.00 |
| Solid Wastes | EPA 1311 | 175.00 |
| Resource Recovery and Conservation Act (| (RCRA) Toxic Metals | |
| Arsenic (As) | EPA SW-846, 7061 | 50.00 |
| Barium (Ba) | EPA SW-846, 7080 | 50.00 |
| Cadmium (Cd) | EPA SW-846, 7130 | 50.00 |
| Chromium (Cr) | EPA SW-846, 7190 | 50.00 |
| Lead (Pb) | EPA SW-846, 7420 | 50.00 |
| Mercury (Hg) | EPA SW-846, 7470 | 50.00 |
| Selenium (Se) | EPA SW-846, 7741 | 50.00 |
| Silver (Ag) | EPA SW-846, 7760 | 50.00 |
| Package Total, RCRA Metals | | 300.00 |
| Benzene, Toluene, Ethyl-Benzene, & Xylen | es (BTEX) | |
| ВТЕХ | EPA 8021B | 250.00 |
| BTEX, Aqueous Samples | EPA 1311, EPA 8021B | 375.00 |
| BTEX, Solid Samples | EPA 1311, EPA 8021B | 375.00 |
| BTEX, Liquid Hydrocarbon Matrix | GPA 2286 | 250.00 |
| BTEX, Gaseous Hydrocarbon Matrix | GPA 2186 | 200.00 |
| Total Petroleum Hydrocarbons | | |
| Total Petroleum Hydrocarbons | EPA 418.1 | 80.00 |
| Total Petroleum Hydrocarbons | TNRCC 1005 | 105.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Environmental Services and Analyses

| Analyt | e | Reference | Price, US\$ |
|----------|--|----------------------|-------------|
| Enviro | nmental Sampling and Field Servi | ces | |
| Analy | yst, On Location Sampling/Analysis* | Hourly Rate | 95.00 |
| Asist | ant, On Location Sampling/Analysis* | Hourly Rate | 80.00 |
| Over | night Der Deim | Overnight Trip | 400.00 |
| Milea | ege* | Per Mile | 1.80 |
| Biolog | ical Contamination, Water | | |
| Áero | bic Bacteria, Total Plate Count | API RP45 | 60.00 |
| | obic Bacteria, Total Plate Count | API RP45 | 60.00 |
| | Coliform Bacteria | Hach | 50.00 |
| | Coliform Bacteria | Hach | 50.00 |
| | Bacteria | Hach | 50.00 |
| Tank V | apors Analysis | | |
| Hydro | ogen Sulfide in Tank Vapors | Tutweiler Method | 45.00 |
| Hydr | ogen Sulfide in Tank Vapors | Stain Tube Method | 60.00 |
| | ocarbon Analysis, C1-C6 ⁺ , including H ₂ S, ₂ , & CO ₂ | GPA 2261 & Tutweiler | 115.00 |
| | ocarbon Analysis, C1-C10 ⁺ , including H ₂ S, ₂ , CO ₂ , & BTEX | GPA 2286 & Tutweiler | 245.00 |
| Breath | ing Air Analysis | | |
| Class | D Breathing Air Analysis | GC/Molesieve | 110.00 |
| Time. Po | rtal to Portal, Analyst (required for field stu | dies)* | 95.00 |
| | rtal to Portal, Safety Back Up (required for | | 80.00 |
| • | Portal to Portal (required for field studies) | | 1.80 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Production Chemical Analysis and Evaluation

| Analyte | Reference | Price, US\$ |
|--|--|-------------|
| | e e e e e e e e e e e e e e e e e e e | |
| Paraffin Chemicals, Inhibitors and Dispersants | $\mathcal{F}_{\mathcal{F}}}}}}}}}}$ | |
| Hot Water Dispersion/Chemical Concentration | Proprietary | 80.00 |
| "Cold Spot" Analysis/Analysis Blank | Proprietary | 90.00 |
| "Cold Spot" Analysis/Chemical Concentration | Proprietary | 100.00 |
| Scale Inhibitors | | |
| Calcium Carbonate/Chemical Concentration | NACE TM-03-74 | 85.00 |
| Calcium Sulfate/Chemical Concentration | NACE TM-03-74 | 85.00 |
| Combination/Chemical Concentration | NACE TM-03-74 | 150.00 |
| Corrosion Wheel Test | | |
| Chemical Effectiveness Test/Analysis Blank | NACE | 80.00 |
| Chemical Effectiveness Test/Constant Contact | NACE | 80.00 |
| Chemical Effectiveness Test/Pre-Filmed | NACE | 95.00 |
| Residual Amines | | |
| Aqueous Solution | Chloroform Extraction | 75.00 |
| Crude Oil Solution | Chloroform Extraction | 75.00 |
| Natural Gas | Chloroform Extraction | 100.00 |
| Residual Polymer | | |
| Polymer Flocculation Test | Proprietary | 70.00 |
| Poly Acrylic Acid | Hach Method | 95.00 |
| Mild Steel Coupon Service | | |
| Pre Installation Weight | Analytical Balance | 20.00 |
| Post Installation Cleaning and Weight | Analytical Balance | 40.00 |
| Time, In Field Study, Portal to Portal, Analyst* | | 95.00 |
| Time, In Field Study, Portal to Portal, Safety Backup* | | 80.00 |
| Mileage, In Field Study, Portal to Portal* | | 1.80 |

^{*} Time and mileage charges are required for in field fluid sample collections.

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Chromatographic Analysis

| Analyte | Reference | Price, US \$ |
|--|------------------------|--------------|
| Breathing Air Analysis (Class D Breathing Air) | TCD GC/Molesieve | 110.00 |
| Natural Gas Analysis Through Hexanes (C6 ⁺) Includes compositional analysis for hydrocarbons | GPA 2261 | 40.00 |
| Methane through Hexanes ⁺ , Nitrogen, and Carbon Dioxide. Also includes calculated GPM, Specific Gravity and Heating Value (BTU) | | |
| | GPA 2261 | 95.00 |
| Natural Gas Analysis with Molesieve Includes all above plus Oxygen content | GPA 2201 | 33.00 |
| Natural Gas Analysis Through Undecanes (C10 ⁺) Includes compositional analysis for hydrocarbons Methane through Undecanes ⁺ , Nitrogen, and Carbon Dioxide. Also includes Benzene, Toluene Ethyl Benzene, Xylenes, and 2,2,4-Trimethylpentane | GPA 2286 | 200.00 |
| NGL Analysis Through Hexanes (C6 ⁺) | GPA 2165 | 90.00 |
| Includes compositional analysis for hydrocarbons Methane through Hexanes ⁺ , Nitrogen, and Carbon Dioxide. Also includes calculated Mole %, Liquid Volume %, and Weight % | | |
| NGL Analysis Through Heneicosanes (C21 ⁺) Includes compositional analysis for hydrocarbons | GPA 2186 | 250.00 |
| Methane through Heneicosanes [†] , Nitrogen, Carbon Dioxide, calculated Mole %, Liquid | | |
| Volume %, Weight %, Benzene, Toluene, Ethyl Benzene, Xylenes, and 2,2,4-Trimethylpentane | | |
| Methanol in NGL Product (no Speciation) | FID Gas Chromatography | 250.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Chromatographic Analysis, Continued

| Analyte | Reference | Price, US \$ |
|---|------------------------|--------------|
| Crude Oil Analysis Through Hexanes (C6 ⁺) | GPA 2103 | 125.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Hexanes [†] , Nitrogen, and Carbon | | |
| Dioxide. Also includes calculated Mole %, Liquid | | · |
| Volume %, and Weight % | | • |
| | | |
| Crude Oil Analysis Through Heneicosanes (C21 ⁺) | GPA 2186M | 250.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Heneicosanes [†] , Nitrogen, | | |
| Carbon Dioxide, calculated Mole %, Liquid | | |
| Volume %, Weight %, Benzene, Toluene, Ethyl | | |
| Benzene, Xylenes, and 2,2,4-Trimethylpentane | | |
| | | |
| Crude Oil Analysis Through Pentatetracontanes (C45 ⁺) | GPA 2186M/ASTM D2887 | 500.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Pentatetracontanes ⁺ , Nitrogen, | | |
| Carbon Dioxide, calculated Mole %, Liquid | | |
| Volume %, Weight %, Benzene, Toluene, Ethyl | | • |
| Benzene, Xylenes, and 2,2,4-Trimethylpentane | w.* | |
| | | |
| Glycol Compositional Analysis | FID Gas Chromatography | 180.00 |
| Includes percent EG, DEG, and TEG | | |
| | | |
| Simulated Crude Oil Distillation | ASTM D2887 | 300.00 |
| Includes graphical and tabular data of fraction | | |
| recovered/temperature. | ASTM D6179 | 520.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Chromatographic Analysis, Single Stage Separator Flash

| Analyte | Reference | Price, US\$ |
|---|-------------|---------------------------------------|
| Single Stage Separator Flash | Proprietary | 225.00 |
| Natural Gas Analysis Through Undecanes (C10 ⁺) | GPA 2286 | 200.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Undecanes ⁺ , Nitrogen, and Carbon | 1 | |
| Dioxide. Also includes Benzene, Toluene Ethyl | | |
| Benzene, Xylenes, and 2,2,4-Trimethylpentane | | |
| | į | * * * * * * * * * * * * * * * * * * * |
| Gravity, API and Specific | ASTM D287 | 30.00 |
| | | |
| Reid Vapor Pressure | ASTM D6337 | 50.00 |
| | | |
| Extended Crude Oil Analysis, Pressurized Oil | GPA 2186M | 250.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Heneicosanes ⁺ , Nitrogen, | | |
| Carbon Dioxide, calculated Mole %, Liquid | | |
| Volume %, Weight %, Benzene, Toluene, Ethyl | | |
| Benzene, Xylenes, and 2,2,4-Trimethylpentane | | |
| | | |
| Extended Crude Oil Analysis, Stock Tank Oil | GPA 2186M | 250.00 |
| Includes compositional analysis for hydrocarbons | | |
| Methane through Heneicosanes [†] , Nitrogen, | | |
| Carbon Dioxide, calculated Mole %, Liquid | | |
| Volume %, Weight %, Benzene, Toluene, Ethyl | | |
| Benzene, Xylenes, and 2,2,4-Trimethylpentane | | * . |
| deficately systematical and ZiZi+ Trimocally performe | | |
| Single Stage Separator Flash Study Package/Sample | | 1005.00 |
| Single stage separator riasis stady rachage/sample | | |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Additional Gas Analysis

| Analyte | Reference | Price, US\$ |
|---|--------------------|-------------|
| Trace Oxygen Analysis | Trace Oxygen Meter | |
| Sweet Gas* | • | 75.00 |
| Sour/Acid Gas* | | 110.00 |
| Oxygen Content Analysis | | |
| Gas Chromatography Method | Molesieve Analysis | 95.00 |
| Stain Tube Method* | Oxygen Stain Tube | 60.00 |
| Dew Point Analysis | USBM Method | |
| Water Dew Point, Measured* | | 90.00 |
| Hydrocarbon Dew Point, Measured* | | 90.00 |
| Water/Hydrocarbon Dew Point, Measured* | | 150.00 |
| Dew Point Analysis, Water Content Only* | Stain Tube Method | 60.00 |
| Hydrogen Sulfide (H₂S) | | |
| Hydrogen Sulfide in Natural Gas* | Tutweiler Method | 45.00 |
| Hydrogen Sulfide in Natural Gas* | H₂S Stain Tube | 60.00 |
| Total Sulfur in Natural Gas | ASTM D3246 | 150.00 |
| Samples are caught on location in Teflon lined, | | |
| stainless steel cylinders or any other inert, gas | | |
| tight container (Tedlar Bags) and transported | | |
| to laboratory for analysis | | |
| Time, Portal to Portal, Analyst (required for field studies)* | | 95.00 |
| Time, Portal to Portal, Safety Back Up (required for field st | tudies)* | 80.00 |
| Mileage, Portal to Portal (required for field studies)* | | 1.80 |

^{*} While laboratory analyses are possible, however, on location analysis should be performed whenever possible.

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Gas Plant Production Chemical Analysis (Glycol/Amines)

| Analyte | Reference | Price, US\$ |
|--|--|---|
| Glycol Analysis, Lean or Rich Includes visual description, pH, Specific Gravity Total Petroleum Hydrocarbons, Chlorides, Iron, Hydrogen Sulfide, Filterable Solids, Percent Water and Foaming Tendency. | Proprietary | 330.00 |
| Glycol Analysis, Both Lean and Rich Includes both Lean and Rich Glycols | Proprietary | 600.00 |
| Amine Analysis, Lean or Rich Includes visual description, pH, Specific Gravity Total Petroleum Hydrocarbons, Chlorides, Iron, Hydrogen Sulfide, Filterable Solids, Percent Water Carbon Dioxide, and Foaming Tendency. | Proprietary , | 375.00 |
| Amine Analysis, Both Lean and Rich Includes both Lean and Rich Amines | Proprietary | 700.00 |
| Glycol Compositional Analysis Includes percent EG, DEG, and TEG | FID GC | 180.00 |
| General Petroleum Analys | sis, Individual Parameter | s |
| Acid Number (TAN), Potentiometric Titration Acid Number (TAN), Color Indicator Titration Analine Point Ash, Crude and Fuel Oils Asphaltenes Asphaltic Resins Basic Sediment and Water BTU of Crude and Fuel Oils | ASTM D664 ASTM D974 ASTM D611 ASTM D482 UOP 46M UOP 46M ASTM D1796 | 110.00 95.00 110.00 90.00 75.00 75.00 45.00 |
| DIO OF Crude and Fuel Olis | Bomb Calorimeter | 200.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

General Petroleum Analysis, Individual Parameters, Continued

| Analyte | Reference | Price, US\$ |
|--|-------------------|-------------|
| Carbon Residue, Conradson | ASTM D189 | 110.00 |
| Cetane Number, Calculated | ASTM D976 | 110.00 |
| Includes Distillation by ASTM D86 | | |
| Chloride, Organic in Crude Oil | ASTM D4929-B | 120.00 |
| Chloride, Inorganic in Crude Oil | UOP 22 | 60.00 |
| Cloud Point | ASTM D2500 | 60.00 |
| Cloud/Pour Point | ASTM D97 | 95.00 |
| Color, Saybolt Colorimeter | ASTM D1500 | 75.00 |
| Copper Corrosion Strip | ASTM D130 | 75.00 |
| Distillation, Petroleum | ASTM D86 | 95.00 |
| Distillation, Petroleum, Simulated | ASTM D2887 | 300.00 |
| Distillation, Petroleum, Simulated | ASTM D6179 | 520.00 |
| Flash Point, Cleveland Open Cup | ASTM D92 | 60.00 |
| Flash/Fire Point, Cleveland Open Cup | ASTM D92 | 75.00 |
| Gravity, API Hydrometer | ASTM D287 | 30.00 |
| Gravity, Specific Hydrometer | ASTM D1298 | 30.00 |
| Hydrogen Sulfide in Crude Oil, Dissolved | UOP 163 | 85.00 |
| Mercaptan Sulfur in Crude Oil, Dissolved | UOP 163 | 85.00 |
| Hydrogen Sulfide in Crude Oil, Vapors | ASTM D5705 | 60.00 |
| Mercaptan Sulfur in Crude Oil, Vapors | ASTM D5705M | 60.00 |
| Oxygenates in Crude Oil | ASTM D7423 | 275.00 |
| Paraffin in Crude Oil | UOP 46 | 90.00 |
| Sediment in Crude Oil by Extraction | ASTM D473 | 90.00 |
| Total Petroleum Hydrocarbons | EPA 418-1 | 75.00 |
| Total Petroleum Hydrocarbons | TNRCC 1005 | 105.00 |
| Vapor Pressure | ASTM D6377 | 50.00 |
| Vapor Pressure, Reid, Under 26 psia | ASTM D323 | 75.00 |
| Vapor Pressure, Reid, Over 26 psia | ASTM D323 | 75.00 |
| Viscosity, | | |
| Kinematic, centiStokes, centiPoise @ Temperate | ure ASTM D445 | 60.00 |
| Saybolt Fural Seconds, SFS | ASTM D2161 | 90.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

General Petroleum Analysis, Individual Parameters, Continued

July 1, 2023

| July 1 | , 2023 | the second of th |
|---|------------------------------|--|
| Analyte | Reference | Price, US\$ |
| Minimath | | • |
| Viscosity, | | 20.00 |
| Saybolt Universal Seconds, SUS | ASTM D2161 | 90.00 |
| Viscosity of Non-Newtonian Fluids | Brookfield Rotary Viscometer | 100.00 |
| Weight % Sulfur | ASTM D4294 | 75.00 |
| Water by Distillation | ASTM D95 | 85.00 |
| Water by Karl Fischer Titration | ASTM D1744 | 105.00 |
| Miscellaneo | ous Services | |
| | | |
| Analyst, Laboratory Time | Hourly Rate | 95.00 |
| Analyst, On Location Sampling/Analysis* | Hourly Rate | 95.00 |
| Safety Backup, On Location Sampling/Analysis* | Hourly Rate | 80.00 |
| Overnight Per Deim | Overnight Trip | 400.00 |
| Mileage* | Per Mile | 1.80 |

Based on time/mileage from portal to portal
 Mileage rates are based on a fuel cost ceiling of 3.50 US \$. This charge may be adjusted as necessary.

Sample Equipment and Containers

| 300 cc Sample Cylinders | · · · · · · · · · · · · · · · · · · · | |
|---|---------------------------------------|--------|
| Stainless Steel Cylinder, DOT Rated 1800 psig | Rental Weekly | 20.00 |
| Stainless Steel Cylinder, DOT Rated 3500 psig | Rental Weekly | 35.00 |
| Stainless Steel Cylinder, DOT Rated 1800 psig | Replacement | 330.00 |
| Stainless Steel Cylinder, DOT Rated 3500 psig | Replacement | 510.00 |
| 500 cc Sample Cylinders | | |
| Stainless Steel Cylinder, DOT Rated 1800 psig | Rental Weekly | 20.00 |
| Stainless Steel Cylinder, DOT Rated 3500 psig | Rental Weekly | 35.00 |
| Stainless Steel Cylinder, DOT Rated 1800 psig | Replacement | 420.00 |
| Stainless Steel Cylinder, DOT Rated 3500 psig | Replacement | 570.00 |

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

Sample Equipment and Containers, Continued

July 1, 2023

| Analyte | Reference | Price, US \$ |
|---|---------------|--------------|
| Teflon Lined Cylinders | | |
| 300 cc SS Cylinder, DOT Rated 1800 psig | Rental Weekly | 35.00 |
| 500 cc SS Cylinder, DOT Rated 1800 psig | Rental Weekly | 50.00 |
| 300 cc SS Cylinder, DOT Rated 1800 psig | Replacement | 480.00 |
| 500 cc SS Cylinder, DOT Rated 1800 psig | Replacement | 600.00 |
| Floating Piston Cylinders | | |
| 300 cc SS Cylinder, DOT Rated 1800 psig | Rental Weekly | 35.00 |
| 500 cc SS Cylinder, DOT Rated 1800 psig | Rental Weekly | 60.00 |
| 300 cc SS Cylinder, DOT Rated 1800 psig | Replacement | 840.00 |
| 500 cc SS Cylinder, DOT Rated 1800 psig | Replacement | 960.00 |

Cylinder rental rates apply only when the cylinders are kept by the client for an extended period time, or, are not returned to this facility for analyses. The rental rates will not be collected when the cylinders are returned to PAL for analysis in a reasonable time frame. Cylinder replacement will be charged and collected for any cylinder not returned to PAL for any reason.

| Samp! | le Cont | tainers |
|-------|---------|---------|
| | | |

| ample containers | | |
|-------------------------|-------------|--------|
| R _x Bottles | Individual | 1.00 |
| R _x Bottles | Case of 48 | 45.00 |
| 500 mL Plastic Bottle | Individual | 2.00 |
| 500 mL Plastic Bottle | Case of 168 | 250.00 |
| 1,000 mL Plastic Bottle | Individual | 3.00 |
| 1,000 mL Plastic Bottle | Case of 165 | 300.00 |
| 500 mL Tin Can | Individual | 4.00 |
| 500 mL Tin Can | Case of 225 | 840.00 |
| 1,000 mL Tin Can | Individual | 6.00 |
| 1,000 mL Tin Can | Case of 120 | 940.00 |
| | | |

Sample containers are provided as a courtesy when they are returned to PAL with a sample for analysis.

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

General Terms and Conditions

July 1, 2023

Basic Agreement:

Pritchard Analytical Laboratories, Inc., herein referred to as PAL, shall furnish the equipment and personnel necessary to perform the services as requested by the customer and documented on the sales order or contract agreement.

Warranty:

Pal will use its' best efforts to furnish customers with accurate information and analyses that are part of and incident to the service provided. However, PAL cannot and does not warranty the accuracy or correctness of such information and analyses and further makes no warranties, either expressed or implied, including but not limited to the implied warranty of merchantability or fitness for a particular purpose, with respect to services rendered. These analyses, opinions or interpretations provided are based on observations and materials supplied by the customer to whom, and for whose exclusive confidential use, any report is made.

Sampling Equipment:

Sample cylinders and appropriate sample containers will be furnished at no charge when requested by a customer provided that the container is returned to PAL containing a sample for analysis. The customer shall accept full responsibility for returning all such containers. Any other use of sample cylinder or containers is unauthorized and will be interpreted as either rental or purchase, whichever is applicable, and will be charged as outlined in the current price schedule.

On Location Analyses and Services:

Hourly personnel and mileage charges commence upon leaving and end on returning to the laboratory and will be charged as outlined by the current price schedule. If on location work requires a technician or analyst to remain overnight from the Midland, Texas laboratory, a base (per diem) charge as outlined in the current price schedule will be charged to cover incidental expenses.

Taxes:

Any taxes assessed on, or which use as a base of calculation, the charges made for or cash received with respect to PAL's products or services shall be in addition to the prices stated in the published price scheduleor quoted to the customer.

3310 Bankhead Highway Midland, Texas 79701

Schedule of Services and Fees

General Terms and Conditions

July 1, 2023

Payment Terms:

Terms for payment are net cash within thirty (30) days from the invoice date, in accordance with any payment instructions included on the invoice. For any amount unpaid at the end of thirty days, PAL reserves the right to collect, and the customer agrees to pay, interest at the rate of 18% per annum. If unpaid amounts are collected through a third party agency, legal proceedings, or by an attorney, the customer shall pay reasonable collection costs and attorney's fees. On project that exceed thirty days duration, PAL reserves the right to issue progress billing.

Payments made by credit card are subject to an additional convenience surcharge, added to the total invoice amount, as charged by the bank and/or the credit card issuing company.