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Triton Analytics Corp.

Reference Laboratories

- Hydrocarbon
- Chemical
- Environmental

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PRICE LIST (Effective 2016)

Method	Description	Unit Price (in Dollars)
NOISE	Hydrocarbon Type Analysis by Nitric Oxide Chemical Ionization Mass Spectrometry with Townsend Discharge. Provides weight % estimates of Z Number vs. Carbon Number, iso/normal Paraffin ratio, alkyl benzo-, dibenzo-, and benzonaphtho-thiophenes, alkyl carbazoles, and alkyl phenols. Appropriate to low olefinic hydrocarbon mixtures with final boiling points below 1000 °F. AVERAGE TURNAROUND TIME: 3-4 Days	$550
NOISE-NR	Non-Routine Hydrocarbon Type Analysis and /or Custom Report Generation.	Hourly
HTSD	High Temperature Simulated Distillation (ASTM D-7169) with Initial Boiling Point > 100°F and Final Boiling Point of 1400 °F. Results reported as IBP, FBP, and 1% wt increments, and % recovery. Customized Cutpoint Table available upon request AVERAGE TURNAROUND TIME: 2-3 Days	$320
HTSD-CN	High Temperature Simulated Distillation (ASTM D-7169) with Initial Boiling Point > 100°F and Final Boiling Point of 1400 °F. Results reported as IBP, FBP, and 1% wt increments, and % recovery and C5 to C108 Carbon Number Report. AVERAGE TURNAROUND TIME: 2-3 Days	$345
GC-DHA	Detailed Hydrocarbon Analysis (ASTM D-6623) Characterization and identification of individual components of Naphtha range hydrocarbons with FBP < 450 °F (C2-C12). AVERAGE TURNAROUND TIME: 2-3 Days	$385
GAS-DHA	Gas Analysis- GC (FID/TCD) Fixed Gases including hydrogen sulfide, water, and detailed hydrocarbons (C1-C6) with summary report of C6, C7, C8, and C9+. Cylinders are heated to 120-140 °F to vaporize contents and increase pressure. AVERAGE TURNAROUND TIME: 5 Days	$385

VAPOR	Determination of vapor pressure of petroleum mixtures by Headspace Gas Chromatography. (California Air Resources Board Method) AVERAGE TURNAROUND TIME: 5 Days	$495
GC-NR	Non-routine capillary GC analysis by liquid injection or headspace analysis. (Discussed with D. Villalanti) AVERAGE TURNAROUND TIME: 15 Days	Hourly
D-2887	True Boiling Point Simulated Distillation (ASTM D2887) with Initial Boiling Point of >100 °F and Final Boiling Point of <1000 °F. Results reported as IBP, FBP, and 1% wt increments and % recovery. AVERAGE TURNAROUND TIME: 4 Days	$230
ACIDNUM	Proprietary High Precision Determination of Acid Number of Petroleum Products (ASTM D-664) AVERAGE TURNAROUND TIME: 3 Days	$135
BROMINE	Proprietary High Precision Determination of Bromine Number in Gasoline and other Hydrocarbon fractions (ASTM D-1159) AVERAGE TURNAROUND TIME: 3 Days	$135
N-BASE	Proprietary High Precision Determination of Basic Nitrogen by Perchloric Acid Titration (ASTM D-2896) AVERAGE TURNAROUND TIME: 3 Days	$135
VISC	Determination of Kinematic and Dynamic Viscosity at single specified temperature (ASTM D-7042 and D-445) Multiple Temperature profiles available upon request AVERAGE TURNAROUND TIME: 3 Days	$90
API	Determination of density, Specific Gravity, and API Gravity @ 60°F in oils (ASTM D-4052) AVERAGE TURNAROUND TIME: 2 Days	$50
GRAV-BLEND	Determination of density, Specific Gravity and API Gravity @ 60 °F in heavy oils using modified solvent dilution method AVERAGE TURNAROUND TIME: 3-4 Days	$160
Asphaltenes	Determination of Asphaltenes (C5 and C7 Insolubles) by IP-143 AVERAGE TURNAROUND TIME: 7-10 Days	$195
D-4530	Determination of Microcarbon Residue (ASTM D4530) AVERAGE TURNAROUND TIME: 5-7 Days	$138

SULFUR	Determination of total Sulfur in Hydrocarbons UV or X-Ray Fluorescence finish (ASTM D-5453/ASTM D4294) AVERAGE TURNAROUND TIME: 3-5 Days	$105-135
NITROGEN	Determination of total Nitrogen in Gas Oils (ASTM D-5762/D-4629) AVERAGE TURNAROUND TIME: 3-5 Days	$135
TOTAL N-S	Determination of total Sulfur and total Nitrogen in Gas Oils (ASTM D5453/D-5762) AVERAGE TURNAROUND TIME: 3-5 Days	$175
HCONS	"Ultimate Analysis": Hydrogen, Carbon, Nitrogen and Sulfur by Combustion, Oxygen by Neutron Activation AVERAGE TURNAROUND TIME: 2 WEEKS	$550
CHLORIDE	Proprietary High Precision Determination of Ionic Chloride in petroleum products AVERAGE TURNAROUND TIME: 5 Days	$130
AWC	Acid Wash Color. Suitable for setting specification of aromatics. This test gives an indication of impurities, which if sulfonated would cause discoloration of the hydrocarbon material. (ASTM D-848) AVERAGE TURNAROUND TIME: 5 Days	$150
GC-NCD	Gas Analysis-GC/NCD. Nitrogen Speciation by Nitrogen Chemiluminescence Detector AVERAGE TURNAROUND TIME: 5 Days	$325
GC-NCD-L	Detailed Nitrogen Speciation of hydrocarbon liquids by Nitrogen Chemiluminescence Detector AVERAGE TURNAROUND TIME: 5 Days	$425
GC-SCD	Gas Analysis-GC/SCD. Sulfur Speciation by Sulfur Chemiluminescence Detector AVERAGE TURNAROUND TIME: 5 Days	$325
GC-SCD-L	Detailed Sulfur Speciation of hydrocarbon liquids by Sulfur Chemiluminescence Detector AVERAGE TURNAROUND TIME: 5 Days	$425

Additional analytical tests available. Please call or e-mail to discuss.

Note: all analyses are subject to a hazardous waste disposal fee of $8/sample