

Simulated Distillation

Analysis by Gas Chromatography



Engineered Solutions, Guaranteed Results.



WASSON-ECE
INSTRUMENTATION

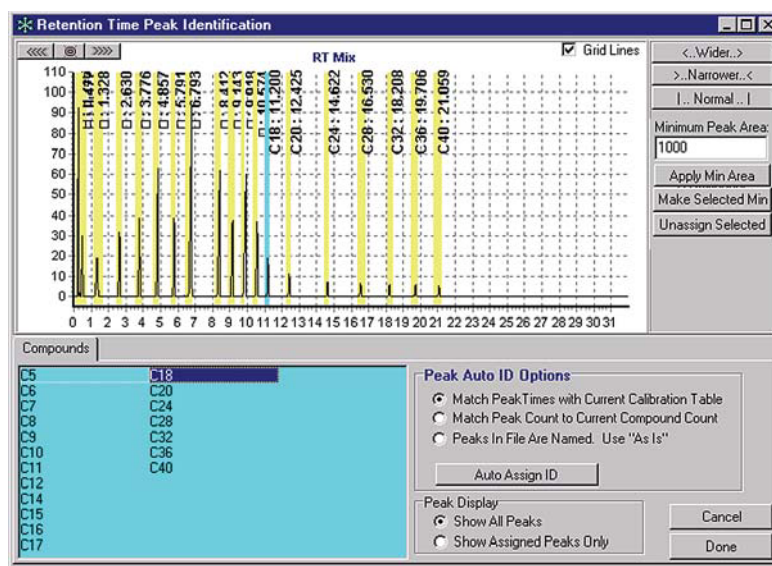
Simulated Distillation Analysis

Ascent SimDist Features:

- ASTM D2887
- ASTM D3710
- ASTM D5307 (Internal Standard)
- ASTM D6352
- ASTM D7169
- ASTM D7096
- ASTM D7500
- ASTM D7213
- Extended temperature range and fast SimDist applications
- ASTM default settings and custom settings
- Interactive calibration table
- Multiple method processing

Wasson-ECE Instrumentation offers Simulated Distillation Software

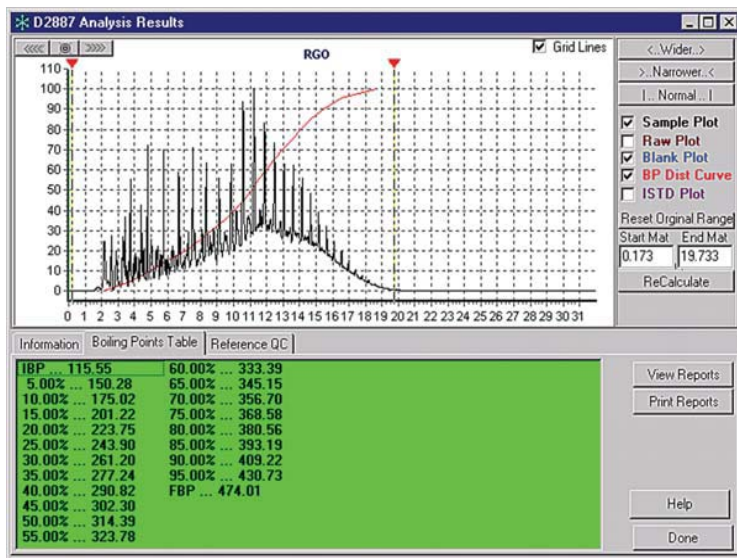
Knowledge of the boiling profile is critical for product quality, refinery process optimization, and the prediction of other physical parameters. While this can be performed through physical distillation of the sample in the laboratory to yield an average boiling point, the process lacks precision and automation. Wasson-ECE Instrumentation provides a fast, automated, and precise gas chromatography solution for simulated distillation using the Agilent 7890 chassis coupled with Ascent SimDist software.



Ascent SimDist is a Windows-compatible, post-run, interactive program that performs simulated distillation calculations in accordance with ASTM D2887, D5307, D6352, D7096, D7500, D7169, D7213, and D3710. These calculations are based on the data captured during the analysis on the gas chromatograph. The software is designed to receive information directly from various data acquisition programs through the transfer of a netCDF (.AIA) file.

Ascent SimDist Software

Ascent SimDist has an easy to use, Windows-based format that allows the user to easily navigate and make changes in the software. With an interactive interface for calibration table generation, the user can easily select a peak and the corresponding carbon group.



Once the calculations are complete, Ascent SimDist can output and save the data in one of the following file types:

- Microsoft Excel
- ASCII text file (.txt)
- Comma delimited text (.csv)

Ascent SimDist also offers remote notification capability in the form of email messages. These messages can notify specific individuals of analysis completion and can include the results of the analysis in any of the three formats above. Remote notification provides access to analysis data from anywhere at



Additional SimDist Features:

- D86 and D1160 correlations
- Customizable boiling point libraries and reference oil lots
- Multiple solvent exclusion capabilities
- Stand-alone processing or batch reprocessing
- Cut point calculations

Available Add-ons:

- Sulfur Simulated Distillation
- Nitrogen Simulated Distillation
- ASTM D7215 Flashpoint Calculation Module
- Weight % to Volume % Correlation Module for ASTM D7169



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