

The 8270C/D Productivity Solution provides a comprehensive approach for integrating the Thermo Scientific DSQ™ II GC/MS system into the routine workflows of environmental laboratories. Become productive quickly and generate revenue and reports within days following installation.

8270C/D GC/MS Productivity Solution

Work fast, work smart at all levels of expertise



8270 Productivity Solution

The 8270C/D Productivity Solution integrates the GC/MS hardware system with the software, methods and consumables to provide a complete solution for transforming the DSQ II GC/MS system into an analyzer dedicated to and optimized for the analysis of semivolatiles.

Pre-Qualified Performance

All components of the Productivity Solution were rigorously evaluated according to US EPA Methods 8270C and 8270D criteria to verify that the instrument system and consumables meet stringent quality control requirements of the methods.

Ease of Use

From standards at specific concentrations to methods and templates for acquisition and processing, the 8270C/D Productivity Solution minimizes the time and effort needed to begin running samples.

Reliable and Routine

A complete set of data documenting performance is included. From Initial Calibration through Instrument Detection Limits, proof of performance means reliable operation, day in and out.

Streamlined Integration

A complete set of manuals and guides takes users through basic and advanced operation of the system. Training is straightforward and standardized from user to user.

Designed exclusively for use with the Thermo Scientific DSQ II mass spectrometer, the 8270C/D Productivity Solution includes a complete set of manuals, standards, and consumables designed to work together to provide optimum performance. The 8270C/D Productivity Solution streamlines integration of the DSQ II GC/MS system into

daily operations and transforms the system into a dedicated analyzer ideal for the routine performance of EPA Method 8270. For additional details on methods and results, please visit www.thermo.com and request TN10140.

8270C/D GC/MS Productivity Solution

Software, Manuals and Guides

EnviroLab™ Forms 2.0	Data review and reporting software designed for environmental laboratory workflows
SOP Manual	Hard copy of comprehensive Standard Operating Procedures for the method and the instruments
How To Manual & Quick Start Guide	Hard copy of How To manual, includes 4-page, tear-out, 11 x 17, laminated Quick Start Guide for easy start-up and training
Quick Reference CD	Electronic versions of manuals, methods and batch templates simplify start-up
Validation Data CD	Comprehensive set of data and reports represents factory validation of method performance

High Performance Thermo Scientific Consumables

CE Ion Volume and Holder	Solid inert ion volume to maintain response factors
Column Ferrules for Inlet	Ensure leak free injection port connections
Analytical Column	TRACE™ TR-8270 0.25 mm x 30 meter x 0.5 µm film offers optimal performance across wide compound range
Inlet Septa	BTO septa with minimal bleed and excellent high temperature performance
Liner Seal (graphite)	Ensures leak-free injection port
Splitless Liner	5 mm ID deactivated liners offer excellent performance for wide range of compounds
Transfer Line Ferrules	Ensure leak free connection at transfer line to mass spectrometer
Autosampler Vials	2 mL amber vials and lids with PTFE red rubber septa minimize bleed and maintain sample integrity
5 µL Syringe	Precise sample introduction for optimal reproducibility

Pre-Diluted and Stock Standard Solutions

Semivolatle Method Standards	22 x 1 mL ampoules in Methylene Chloride, including the following:
	Semivolatle Calibration Curve (6 ampoules at 5, 10, 20, 40, 80 and 160 µg/mL)
	Internal Standard (1 ampoule at 4000 µg/mL)
	Tuning Standard (5 ampoules at 50 µg/mL)
	Working Daily Standard (5 ampoules at 40 µg/mL)
	Method Detection Limit Standard (5 ampoules at 1 µg/mL)



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