

The Thermo Scientific 8260 Productivity Solution is the ideal package for the GC/MS analysis of purgeable organics in wastes, soil, and wastewater. Perform the complete list of Method 8260C targets, with lower detection limits, faster run times, and flexible reporting options.

8260 GC/MS Productivity Solution

Unsurpassed performance for the broadest list of volatiles



8260 Productivity Solution

US EPA Method 8260C is a method for the analysis of volatile (purgeable) organics in waste, soil, and wastewater using purge-and-trap and gas chromatography/mass spectrometry. The long list of targets, with a wide range of chemical properties, combined with demanding sample types, makes Method 8260C problematic for labs. The 8260 Productivity Solution provides a unique, comprehensive answer to this challenge.

Reliable High-Throughput Operation

The 8260 Productivity Solution ensures that the system stays "in control", from BFB tune to system calibration and performance checks. Fast run times increase the number of samples processed per shift, making your environmental laboratory more efficient, and more productive.

Unmatched Linearity and Precision

Run the complete 8260C target list from 1.0 to 200.0 µg/L, with average percent relative standard deviations (%RSD) across the curve far surpassing the method requirements.

Ease of Use

The 8260 Productivity Solution incorporates everything your lab needs to successfully meet or exceed the method criteria. From software to consumable to fully-qualified instrument and quantitation methods, your lab can be running real samples within days of instrument installation.

Pre-Qualified Performance

All components of the Productivity Solution were rigorously evaluated against US EPA Method 8260C criteria to verify that the entire system and consumables meet the stringent quality control and detection limit requirements of the method.

Designed for use with the Thermo Scientific DSQ™ II mass spectrometer, the FOCUS™ or TRACE GC Ultra™ gas chromatographs, and purge and trap for sample introduction and concentration, the 8260 Productivity Solution includes a complete set of software, manuals, standards, and consumables designed to work together to provide

optimum performance. The 8260 Productivity Solution streamlines integration of the DSQ II GC/MS system into daily operations and transforms the system into an analyzer ideal for the routine performance of EPA Method 8260C. For more detailed information, please visit www.thermo.com and request Technical Note TN10210.

8260 GC/MS Productivity Solution

Manuals, Software and Guides

Envirolab™ Forms Software Package	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, 11" x 17", Quick Start Guide for easy start-up and training
Quick Reference CD	Electronic versions of hardcopy manuals, methods and batch templates simplifies start-up
Validation Data CD	Comprehensive set of data and reports represents factory validation of method performance

High Performance Thermo Scientific Consumables and Hardware

CE Ion Volume and Holder	Solid inert ion volume to maintain response factors
Column Ferrules	Ensure leak free injection port connections
Analytical Column	TRACE™ TR-524 20 m x 0.18 mm i.d. x 1.0 µm film offers optimal performance across wide compound range
Inlet Septa	9 mm BTO septa with minimal bleed for direct injections
Liner Seal, graphite	Ensures leak-free injection port
Transfer line ferrules	Ensure leak-free connection at transfer line to mass spectrometer
Vials	72 pre-cleaned volatile organic (VOA) vials, clear with hole cap and septa, for sample integrity
Syringes	10 µL, 25 µL, 50 µL, & 100 µL gas-tight syringes, and 5 mL and 25 mL Luer Lock syringes for precise standard measurement and sample introductions
OI Eclipse/4660 Volatiles Trap: Tenax, silica gel, carbon molecular sieve	Offers robust, efficient and effective adsorption of volatile organics

Pre-Diluted and Stock Standard Solutions

8260 Volatile Organics Method Kit



21 ampoules in methanol, including the following:

BFB (25 µg/mL): 5 x 1 mL ampoules
8260C Matrix Spike (250 µg/mL) : 2 x 5 mL
8260C Rev 3 Internal Standard/Surrogates (250 µg/mL): 2 x 5 mL
8260C Calibration Mix (2000 µg/mL): 3 x 1 mL
8260C Calibration Mix Ketones (2000 µg/mL): 3 x 1 mL
8260C Calibration Mix Gases (2000 µg/mL): 3 x 1 mL
8260C Cal Mix – Second Source of Different Lot# (2000 µg/mL): 1 x 1 mL
8260C Cal Mix Gases – Second Source of Different Lot# (2000 µg/mL): 1 x 1 mL
8260C Cal Mix Ketones – Second Source of Different Lot# (2000 µg/mL): 1 x 1 mL

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