How Can the Right GC Column Improve Your Data Quality?

Agilent
Trusted Answers

In today's data-driven environment high data quality is paramount. It leads to better business outcomes, ensures regulatory compliance, and aids in minimizing costly method reruns. Agilent J&W 5Q GC columns were designed to optimize GC/MS—improved sensitivity, optimal peak shape, and enhanced spectral accuracy—and provide the utmost confidence in your trace-level analyses.
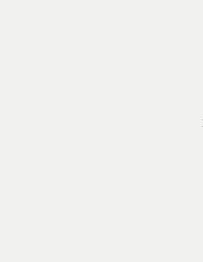
Improve sensitivity

Agilent J&W 5Q GC columns have significantly lower bleed profiles, resulting in more stable baselines. This ensures accurate integration, especially for trace-level analytes with low signal-to-noise ratios. Improve current LODs and integration accuracy by clicking here.
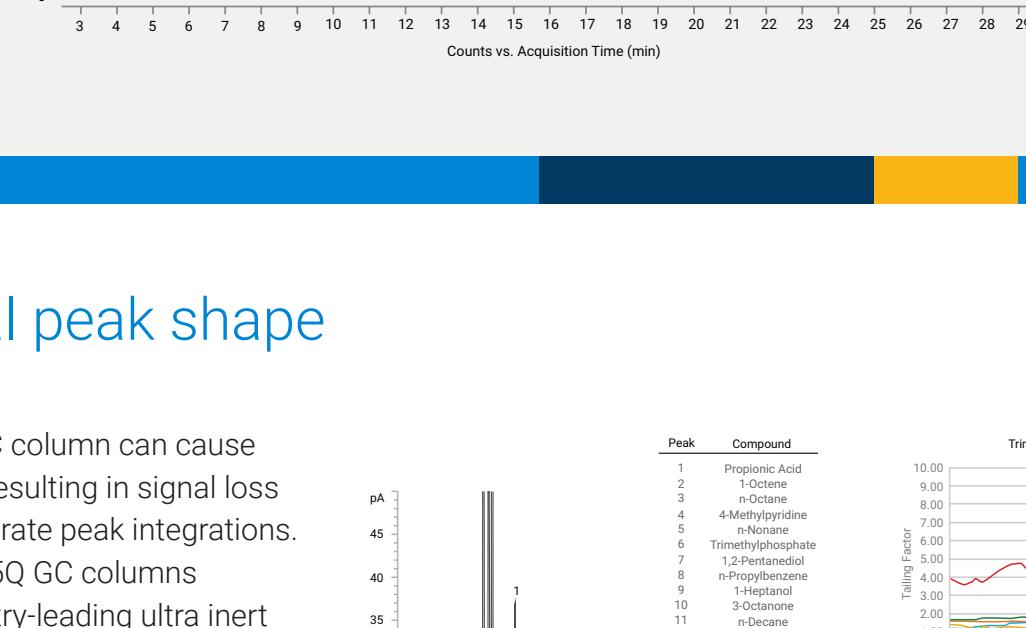

Optimal peak shape

A noninert GC column can cause peak tailing, resulting in signal loss and less accurate peak integrations. Agilent J&W 5Q GC columns feature industry-leading ultra inert deactivation chemistry that was designed to improve peak shape for problematic, active analytes. Agilent J&W 5Q columns let you confidently quantify low-level, active compounds. Learn more here.

Peak	Compound
1	Propionic Acid
2	1-Octene
3	n-Octane
4	4-Methylpyridine
5	n-Nonane
6	Trimethylphosphate
7	1,2-Pentanediol
8	n-Propylbenzene
9	1-Heptanol
10	3-Octanone
11	n-Decane
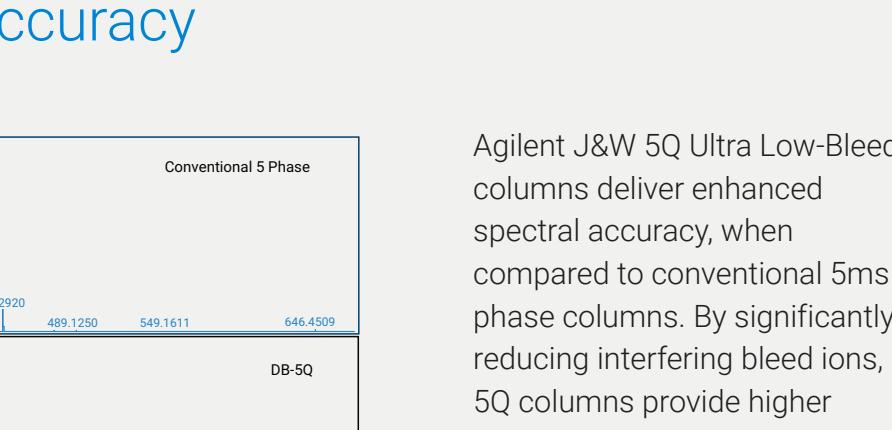
Enhanced spectral accuracy
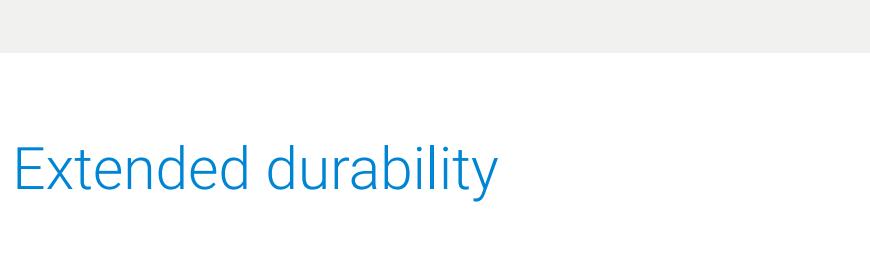
Agilent J&W 5Q Ultra Low-Bleed columns deliver enhanced spectral accuracy, when compared to conventional 5ms phase columns. By significantly reducing interfering bleed ions, 5Q columns provide higher spectral accuracy for improved analyte identification and confidence. Learn more here.

Extended durability

Agilent J&W 5Q columns deliver extended durability when compared to conventional 5ms phase columns. Chromatographic performance can degrade quickly for problematic analytes resulting in costly column exchanges. Agilent J&W 5Q columns extend the need for column exchanges and provide consistent retention times and peak shapes run after run. Learn more here.

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