Application Report 24

US EPA Method 515 Chlorinated Acids on Equity-5

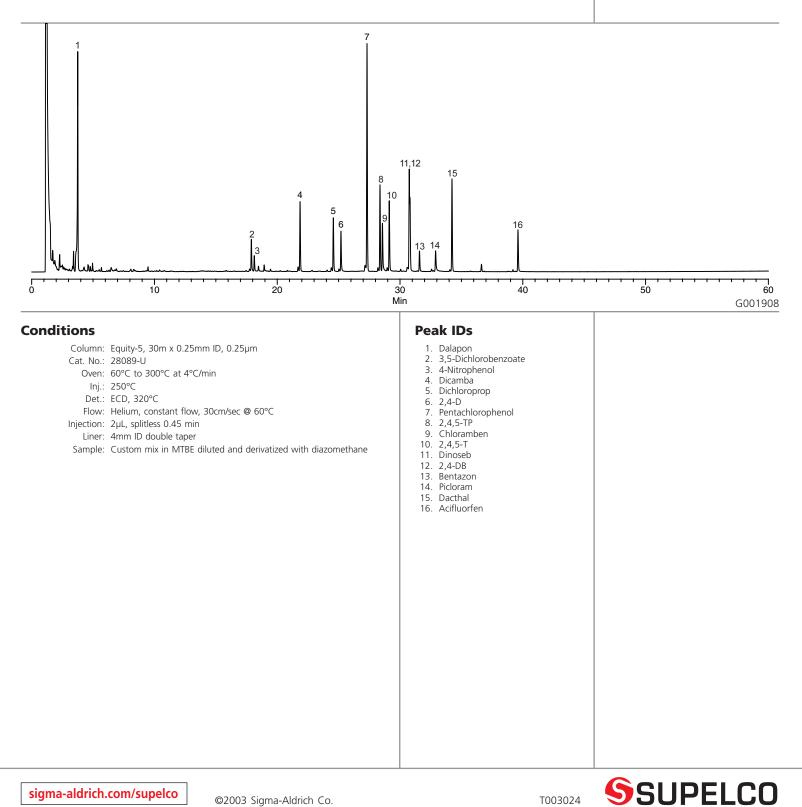
The potential health effects associated with many chlorinated acid herbicides has led to regulations regarding their use. US EPA method 515 describes the GC/ECD analysis of these compounds as their methyl ester derivatives in ground and drinking water, and lists a 5% phenyl methylpolysiloxane-type capillary for use as a primary column. In this application, 15 out of the 16 herbicides listed in method 515 were resolved on the Equity-5 column. The column offered a stable baseline and low bleed, which made it suitable for GC/ECD use.

Key Words

Chlorinated acid herbicides, method 515, Equity, 28089-U

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Acquisition System: GC1777



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T003024