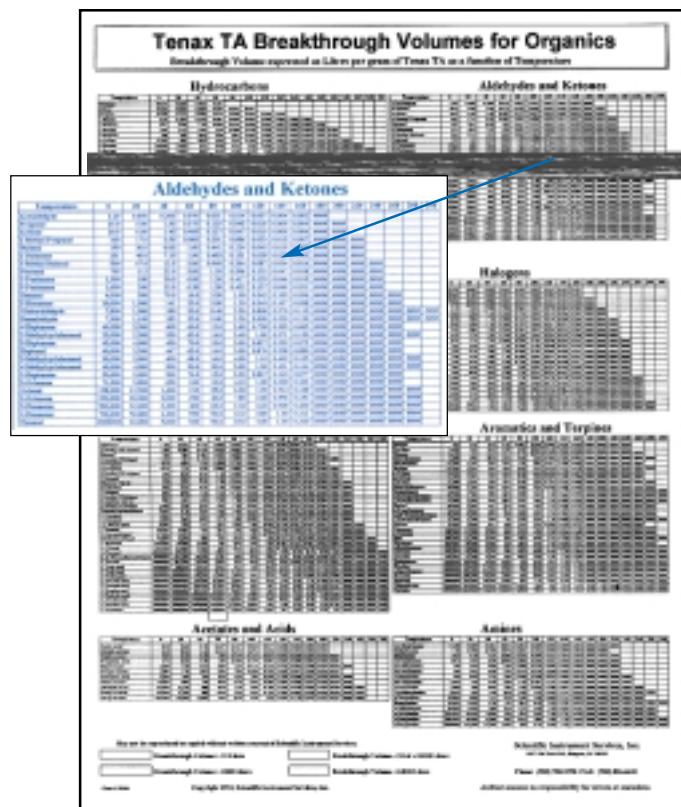


## Tenax™ TA Breakthrough Volume Chart

This new handy wall chart can help guide you through the determination of the adsorption and desorption properties of Tenax TA for use with your thermal desorption applications. This chart is the result of more than 6 months of work in which more than 200 organic compounds were analyzed at 20 degree temperature intervals from 0°C to 300°C. The breakthrough volume for each organic was analyzed in triplicate for breakthrough volumes from 0.001 liter (1.0 ml) through 1.0 liter at the various temperatures. Breakthrough Volumes greater than 1.0 liter per gram were determined through linear regression analysis of the breakthrough volume data from at least 7 different temperatures. The complete description of the method utilized to determine the breakthrough volumes is described in "The Mass Spec Source", Vol. XVIII, No. 4, July 1994. The breakthrough volumes for 198 organic compounds are listed on the chart at temperatures from 0°C to 300°C at 20 degree intervals. The Breakthrough Volumes are listed in Liters of air per gram of Tenax TA resin. The chart is color coded with Breakthrough Volumes less than 0.010 Liters (10 milliliters) indicated in red and Breakthrough Volumes greater than 10 liters indicated in blue. This makes it easy to determine the gas volatiles which can be purged through the Tenax TA resin at a particular temperature as well as the temperature required to elute or desorb a particular range of organics off the Tenax TA resin. The charts are printed on 24" x 36" heavy paper stock and are also available laminated in plastic for extra durability and long life. The following classes of organic compounds were analyzed:

Hydrocarbons	30 compounds
Alkenes	22 compounds
Alcohols & Glycols	36 compounds
Acetates & Acids	11 compounds
Aldehydes & Ketones	27 compounds
Halogens	24 compounds
Aromatics & Terpenes	32 compounds
Amines	16 compounds



Part No.	Description	Price
99560	Tenax TA Breakthrough Volume Chart, 24" x 36"	

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Interested parties please contact Dr. Thomas G. Hartman by e-mail at [hartmantg@aol.com](mailto:hartmantg@aol.com)

or by phone at

(718) 351-3553 or (917) 584-8513.