

Application Note 004

Publications citing Markes' TD products

Introduction


This Application Note is a compilation of publications and selected presentations that cite Markes' thermal desorption (TD) products. The aim is to allow the reader to quickly identify relevant citations in the literature, as well as to demonstrate the versatility of Markes' equipment across the whole range of VOC analytical applications.

Where available, links to the original sources are provided; if none is given, please contact us (enquiries@markes.com) to check on availability.

Within each subsection, citations are presented in reverse chronological order, and the products covered appear in bold type at the end of each entry. These products are briefly described below – to visit the relevant webpage, please click on the product name.

Air Server	For canisters and on-line sampling
Bio-VOC	For non-invasive breath monitoring
CIA 8 and CIA Advantage	Automated analysers for canisters
µ-CTE	The Micro-Chamber/Thermal Extractor
MTS-32	Multi-tube sampler
TC-20	Multi-tube conditioner
TD-100	Automated 100-tube thermal desorber
TT24-7	For continuous on-line monitoring
TubeTAG	Sorbent tube tagging and tracking
ULTRA	100-Tube autosampler
UNITY	Universal TD platform for single tubes
VOC-Mole	For below-ground VOC monitoring.

Key

	Book or thesis
	Peer-reviewed journal article
	Technical report
	Magazine article
	Conference presentation or poster

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General [\(back to Contents\)](#)



E. Woolfenden, Thermal desorption for gas chromatography, in: *Gas Chromatography*, ed. C.F. Poole, Elsevier, 2012, chapter 10, pp. 235–289.

http://www.elsevier.com/wps/find/bookdescription.cws_home/727845/description#description

Air Server CIA 8 μ -CTE TD-100 TT24-7 ULTRA UNITY



E. Woolfenden, Sorbent-based sampling methods for volatile and semi-volatile organic compounds in air. Part 1: Sorbent-based air monitoring options, *Journal of Chromatography A*, 2010, 1217: 2674–2684.

<http://dx.doi.org/10.1016/j.chroma.2009.12.042>

Air Server CIA 8 ULTRA UNITY



E. Woolfenden, Sorbent-based sampling methods for volatile and semi-volatile organic compounds in air. Part 2: Sorbent selection and other aspects of optimizing air monitoring methods, *Journal of Chromatography A*, 2010, 1217: 2685–2694.

<http://dx.doi.org/10.1016/j.chroma.2010.01.015>

Bio-VOC ULTRA UNITY VOC-Mole

Environmental monitoring [\(back to Contents\)](#)

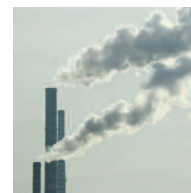
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N. Watson, S. Davies and D. Wevill, Air monitoring: New advances in sampling and detection, *The Scientific World Journal*, 2011, 11: 2582–2598.

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CIA Advantage TD-100



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ULTRA UNITY



M.A. Parra, D. Elustondo, R. Bermejo and J.M. Santamaría, Quantification of indoor and outdoor volatile organic compounds (VOCs) in pubs and cafés in Pamplona, Spain, *Atmospheric Environment*, 2008, 42: 6647–6654.

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M. Caputi, Monitoring of volatile organic compounds and polycyclic aromatic compounds in atmosphere (Ph.D. thesis), University of Bari, Italy, 2004.


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-  N. Ramírez, A. Cuadras, E. Rovira, F. Borrull and R.M. Marcé, Chronic risk assessment of exposure to volatile organic compounds in the atmosphere near the largest Mediterranean industrial site, *Environment International*, 2012, 39: 200–209.
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-  M.Y. Civan, O.O. Kuntasal and G. Tuncel, Source apportionment of ambient volatile organic compounds in Bursa, a heavily industrialized city in Turkey, *Environmental Forensics*, 2011, 12: 357–370.
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UNITY
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TC-20
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<http://dx.doi.org/10.1039/b918428g>
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ULTRA UNITY

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UNITY

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<http://www.hsl.gov.uk/media/1620/issue15.pdf>


UNITY

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UNITY


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Air Server UNITY

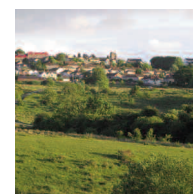
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UNITY



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UNITY



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ULTRA UNITY



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UNITY



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ULTRA UNITY



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ULTRA UNITY

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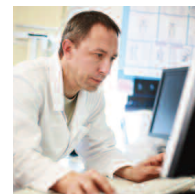
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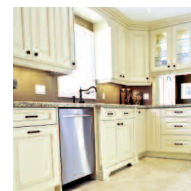
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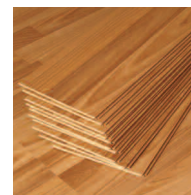
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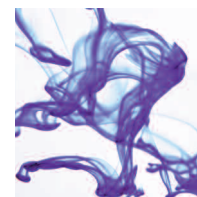












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