MANUSCRIPT REVIEW BOARD INFORMATION SHEET

MANUSCRIPT TITLE: Cigarette Smoke Formation Studies VII. The Fate of (5-1°C) Methoprene in Cigarette Smoke.

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ABSTRACT

An insect growth regulator, (5-1°C) Methoprene (5-1°C-isopropyl (2E-4E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate), supplied by the Zoecon Corporation of Palo Alto, California, has been applied to the Zoecon Corporation of Palo Alito, California, has been applied to tobacco filler from which cigarettes were made. The Kentucky Reference 1R1 cigarette was employed in this study to determine the distribution of the (5-1°C) Methoprene and its combustion and pyrolytic products in cigarette smoke.

The distribution of smoke activity as determined using a total smoke necovery device showed 38.2 percent of the 1. C-activity to be in mainstream smoke with 52.4 percent in sidestream delivery and 8.1 percent filtered by the tobacco butt (23 mm).

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