



MEMORANDUM

April 26, 1993

TO: D. L. Williams
FROM: J. P. Morgan
SUBJECT: Evaluation of Mainstream Benzo[a]pyrene Content in
Experimental Kent 100 mm Ultra Lights With
Approximately 90% Air Dilution (PROJECT B-451 CMP)


No measurable amount of tar could be detected on the Cambridge filter pads, during the collection of the mainstream wet total particulate matter (WTPM) in the Smoking Laboratory. Five cigarettes were smoked on each pad. Six sets of five cigarettes per pad were smoked, and the six Cambridge filter pads extracted and analyzed for their BaP content.

The individual results, the mean and standard deviation are presented below in nanograms per cigarette.

The smoking analysis sheet is attached for your information.

SAMPLES	BaP/CIGARETTE (ngs)	MEAN & STANDARD DEVIATION BaP/CIGARETTE (ngs)
Kent 100 mm U.L.#1	0.71	0.46 ± 21
Kent 100 mm U.L.#2	0.24	
Kent 100 mm U.L.#3	0.23	
Kent 100 mm U.L.#4	0.43	
Kent 100 mm U.L.#5	0.41	
Kent 100 mm U.L.#6	0.76	

A review of the above results clearly show very low numbers of BaP per cigarette. They are at the lower end of our normal detectable range and this may help explain some of the variability.


J. P. Morgan

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Attachment (1)

Xc: J. H. Bell
J. R. Reid
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