

DEAR CATHY,

THE ETS SECTION HAS GIVEN YOUR CIGARETTES THEIR UNDIVIDED ATTENTION OVER THE LAST FEW DAYS. IN ORDER TO PROVIDE YOU WITH THE FOLLOWING INFORMATION.

PLEASE FIND ENCLOSED THE MAXIMUM CONCENTRATIONS THAT WE MEASURED IN OUR 30 CUBIC METRE ENVIRONMENTAL ROOM. ALL CIGARETTES WERE BURNT DOWN TO A 30 MM BUTT MARK AND WERE SMOKED USING A FELTRONA 8 PORT SMOKING ENGINE WITH 35 MLS PUFF VOLUMES AT 1 MINUTE INTERVALS ( 2 SECOND DURATION !).

WE MANAGED TO OBTAIN THE PEAK LEVELS BY SMOKING 3 CIGARETTES AT A TIME, AND RECORDED THE FOLLOWING COMPONENTS:

CARBON MONOXIDE  
CARBON DIOXIDE  
TOTAL HYDROCARBONS  
OXIDES OF NITROGEN  
RESPIRABLE AEROSOL MASS

NICOTINE WAS ANALYSED OFFLINE AND THE VALUES QUOTED ARE TIME WEIGHTED AVERAGES. SAMPLING WAS STARTED AT THE SAME TIME AS THE FIRST PUFF AND WAS ALWAYS STOPPED 20 MINUTES LATER. THE TABLE GIVEN CONTAINS YOUR TEST CIGARETTES AND PAUL CASES CONTROL AND TEST CIGARETTES. I HOPE THAT THE NUMBERS IN THE TABLE ARE TO YOUR SATISFACTION, EACH INDIVIDUAL RESULT IS THE MEAN VALUE CALCULATED FROM AT LEAST THREE REPLICATE RUNS. WE WERE CAREFUL TO SELECT THE CIGARETTES ON A WEIGHT BASIS.

GOOD LUCK

NIGEL WARREN

CIGARETTE	CARBON MONOXIDE	CARBON DIOXIDE	TOTAL HYDRO-CARBONS	OXIDES OF NITROGEN	AEROSOL MASS	NICOTINE
	PPM	PPM	PPM	PPB	UG M-3	UG M-3
100	5.1	28	4.4	152	337	176
200	4.5	22	4.0	123	300	130.5
300	4.8	30	3.4	119	267	108
DU MAURIER	6.0	32	4.5	128	995	208.5
C481	5.2	25.5	5.7	212	843	183
D233	4.4	26	4.9	167	328	124

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