

cc - BINNS -
 A. H. HARRIS -
 B. ALLEN -

DEAR CATHY,

ALL steps out

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 FILTRONA 8 PORT SMOKING ENGINE WITH 35 MLS PUFF VOLUMES AT 1 MINUTE INTERVALS (2 SECOND DURATION !).

selected

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 RELATIVELY WHAT YOU EXPECTED, EACH INDIVIDUAL RESULT IS THE MEAN VALUE CALCULATED FROM AT LEAST THREE REPLICATE RUNS.

to go
SATURN

GOOD LUCK

NIGEL WARREN

CIGARETTE	CARBON MONOXIDE (PPM)	CARBON DIOXIDE (PPM)	TOTAL HYDRO-CARBONS (PPM)	OXIDES OF NITROGEN (PPB)	AEROSOL MASS (UG M-3)	NICOTINE (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	133
D233	4.4	26	4.9	167	328	124

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