

TABLE V. Summary of Conclusions from Smog Chamber Experiments

CHAMBER STUDY	MAXIMAL NO ₂		AVERAGE NO ₂	
	Dependence on NO _x	Dependence on HC	Dependence on NO _x	Dependence on HC
University of North Carolina (Jefferies et al., 1975)	Proportional or slightly less than proportional	50% HC reduction reduces maximal NO ₂ by 10 to 20%	Proportional or slightly less than proportional	Uncertain, 50% HC reduction may decrease average NO ₂ by 20% or may increase average NO ₂
Bureau of Mines (Dimitriades, 1972, 1977)	Proportional	No effect	Proportional	50% HC reduction increases average NO ₂ by 10 to 30%
General Motors (Heuss, 1975)	Slightly less than proportional	50% HC reduction reduces maximal NO ₂ by 25%	Proportional to slightly less than proportional	No effect
HEW, Auto Exhaust (Korth et al., 1964)	-----	-----	Proportional	No consistent effect
HEW, Toluene (Altschuller et al., 1970)	-----	-----	Proportional	No effect