

CONTENTS

	<i>Page Number</i>
SUMMARY	1
EFFECTS OF OZONE	7
Effects on Human Health	7
Exposure to Ozone	23
Effects of Ozone on Crops and Forests	37
CONTROLLING EMISSIONS.	57
Relationship of Emissions to Ozone Concentrations	57
Volatile Organic Compounds:	
Characterization of Current and Future Emissions	67
Potential Emissions Reductions	
from Control Strategies Analyzed by OTA	79
Comparison of Potential Emissions Reductions	
and Reductions Needed to Attain the Ozone Standard	95
Costs of Control.....	106
OZONE AND THE CLEAN AIR ACT.....	117
Evolution of ozone control Under the Clean Air Act.....	11-7
State Implementation Plan (SIP) Development and Implementation	120
Failure to Meet the Ozone Standard Following the 1977 Amendments	122
PROPOSALS FOR CHANGE: S.1894, H.R.3054, AND EPA'S PROPOSAL	129
Overall Requirements	130
Control Requirements	145
APPENDIX A	
Assumptions Used to Calculate Volatile Organic Compound	
Emissions Reduction Potential and Associated Costs of Controls	159