

Supplementary Materials

Composition and Reactivity of Volatile Organic Compounds and the Implications for Ozone Formation in the North China Plain

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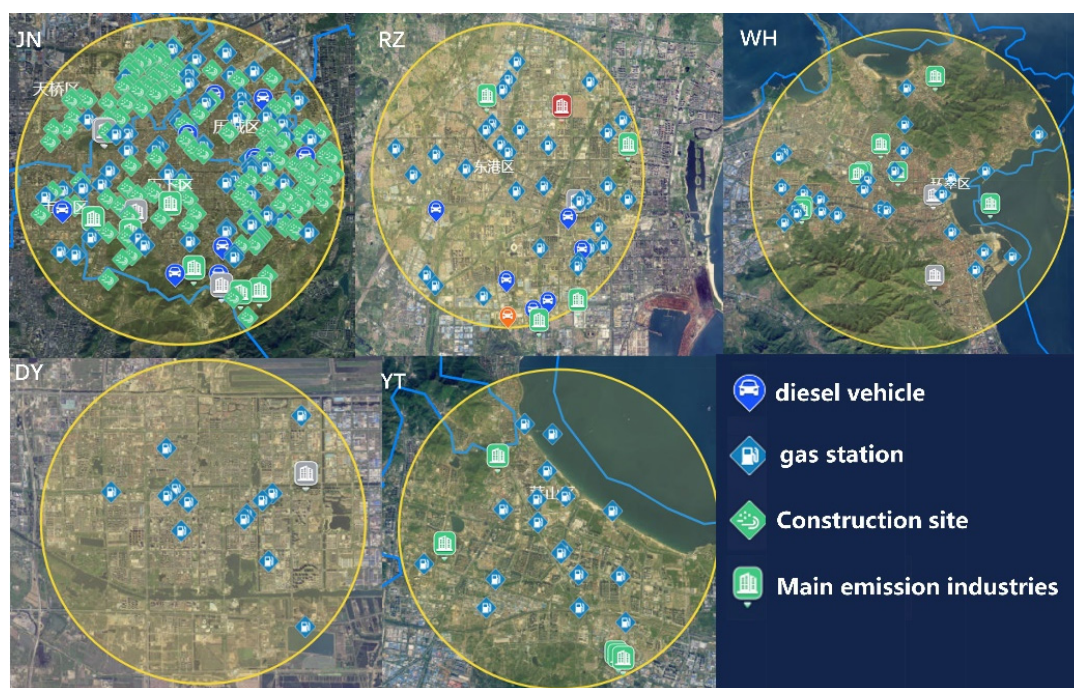


Figure S1. Main sources of pollution around monitoring sites (Jinan (JN), Dongying (DY), Rizhao (RZ), Yantai (YT) and Weihai (WH)).

Table S1. The name of the compound monitored in this study.

Compound name	
ethane	2-methylhexane
Propane	2,3-dimethylpentane
Isobutane	3-Methylhexane
1-butylene	2,2,4-trimethylpentane
Isopentane	n-Heptane

n-Pentane	Methylcyclohexane
2,2-dimethyl butane	2,3,4-trimethylpentane
Cyclopentane	2-Methylheptane
2,3-Dimethylbutane	3-Methylheptane
2-Methylpentane	octane
3-methyl pentane	n-Nonane
n-Hexane	n-Decane
Methylcyclopentane	n-Undecane
2,4-dimethylpentane	N-dodecane
cyclohexane	ethyne
1-Hexene	Benzene
Ethylene	methylbenzene
propylene	ethylbenzene
trans-2-butene	m-Xylene + p-Xylene
1-butylene	Styrene
cis-2-butene	ortho-xylene
trans-2-pentene	isopropylbenzene
1-pentene	n-Propylbenzene
cis-2-pentene	m-Ethyltoluene
Isoprene	p-Ethyltoluene
Butadiene	Mesitylene
butyraldehyde	o-Ethyltoluene
Acrolein	1,2,4-trimethylbenzene
Propionaldehyde	1,2,3-trimethylbenzene
Propanone	m-Diethylbenzene
methyl tert-butyl ether	1,4-Diethylbenzene
methacrylaldehyde	Capronaldehyde
Pentanal	2-Butanone
1,2-Dichlorotetrafluoroethane	1,1,1-Trichloroethane
Chloromethane	Carbon tetrachloride
Chloroethene	1,2-Dichloroethane
Methyl bromide	Trichloroethylene
Chloroethane	1,2-Dichloropropane
Trichlorofluoromethane	Bromodichloromethane
1,1-Dichloroethane	trans-1,3-Dichloropropene
1,1,2-Trichlorotrifluoroethane	trans-1,3-Dichloropropene
Dichloromethane	1,1,2-Trichloroethane
1,1-Dichloroethene	Tetrachloroethylene
cis-1,2-Dichloroethylene	1,2-Dibromoethane
Chloroform	Chlorobenzene
1,2-Dichlorobenzene	Bromoform
1,4-Dichlorobenzene	1,1,2,2-Tetrachloroethane
Benzyl chloride	1,3-Dichlorobenzene
