

**Analysis of Weekday/Weekend Differences in Ambient Particulate
Nitrate Concentrations and Formation in Southern California**

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3650 Mansell Road, Suite 140
Alpharetta, Georgia 30022

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**Charles L. Blanchard
Shelley Tanenbaum
Envair
526 Cornell Avenue
Albany, CA 94706**

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GLOSSARY

CADMP	1988-94 California Acid Deposition Monitoring Program
CALL	Carter-Atkinson-Lurmann-Lloyd chemical mechanism
CARB	California Air Resources Board
CB4	Carbon Bond 4 chemical mechanism
CE-CERT	UC Riverside Center for Environmental Research and Technology
CSMCS	1986 Carbonaceous Species Measurement Comparison Study
DGA	Daniel Grosjean Associates
DRI	Desert Research Institute
EKMA	Empirical Kinetic Modeling Approach
FPNO ₃	Filter-pack nitric acid (including dissociated ammonium nitrate)
IMS95	1995 Integrated Monitoring Study
MH	Mixing height
NMHC	Non-methane hydrocarbons
NMOC	Non-methane organic compounds
NO _x	Nitrogen oxides (NO + NO ₂)
NO _y	Sum of oxidized, reactive nitrogen species
OZIPR	Ozone Isopleth Plotting Package, research version
PAN	Peroxyacetyl nitrate
PCA	principal component analysis
PM	particulate matter
ppbC	Parts per billion as carbon
ppmv	Parts per million by volume
PST	Pacific Standard Time
PTEP	1995-96 PM ₁₀ Enhancement Program
RH	relative humidity
SCAPE2	Simulating Composition of Atmospheric Particles at Equilibrium
SCAQS	1987 Southern California Air Quality Study
SCOS	1997 Southern California Ozone Study
SoCAB	South Coast Air Basin
SOLWM2	solar radiation (Watts m ⁻²)
TDLAS	Tunable diode laser absorption spectroscopy
TK	Temperature (degrees Kelvin)
TSP	Total suspended particulate
VOC	Volatile organic compounds