

## Journal Articles

- Wu J., Funk T., Lurmann F., and Winer A. (2005) Improving spatial accuracy of roadway networks and geocoded addresses. *Transactions in GIS*, **9**(4), 585-601.
- Wu J., Lurmann F., Winer A., Lu R., Turco R., and Funk T. (2005) Development of an individual exposure model for application to the southern California Children's Health Study. *Atmos. Environ.* **39**, 259-273.
- Wu J., Funk T., Lurmann F.W., and Winer A.M. (2004) Using geographic information system methods to improve modeling of air pollutant exposures from roadways for epidemiological applications.
- Chinkin L.R., Coe D.L., Funk T.H., Hafner H.R., Roberts P.T., Ryan P.A., and Lawson D.R. (2003) Weekday versus weekend emissions activity patterns for ozone precursor emissions in California's South Coast Air Basin. *J. Air & Waste Manag. Assoc.* **53**, pp. 829-843..
- Funk T.H., Chinkin L.R., Roberts P.T., Saeger M., Mulligan S., Figueroa V.H.P., and Yarbrough J. (2001) Compilation and evaluation of a Paso del Norte emission inventory. *Sci. Total Environ.* (Special Issue: U.S.-Mexico Transboundary Air Pollution Studies) **276**, Nos.1-3, 135-151 (STI-1942).
- Magliano K.L., Hughes V.M., Chinkin L.R., Coe D.L., Haste T.L., Kumar N., and Lurmann F.W. (1999) Spatial and temporal variations in PM<sub>10</sub> and PM<sub>2.5</sub> source contributions and comparison to emissions during the 1995 Integrated Monitoring Study. *Atmos. Environ.* **33**, 4757-4774.

## Meeting Presentations and Conference Proceedings

- Drury S.A., Pryden D., Funk T.H., Nuss P.W., and Raffuse S.M. (2010) The Interagency Fuels Treatment Decision Support System. Paper presented at the *3rd Fire Behavior and Fuels Conference, Spokane, WA, October 25-29* by Sonoma Technology, Inc., Petaluma, CA, and Joint Fire Science Program, Boise, ID (STI 910902-4014).
- Wheeler N., Funk T., Raffuse S., Drury S., Nuss P., Unger K., Yahdav L., Pryden D., Healy A., Haderman M., Chinkin L., Cissel J., and Rauscher H.M. (2010) A new decision support system based on a service-oriented architecture. Paper presented at the *9th Annual CMAS Conference, Chapel Hill, NC, October 11* by Sonoma Technology, Inc., Petaluma, CA, Joint Fire Science Program, Boise, ID, and Rauscher Enterprises LLC, Leicester, NC (STI 3896).
- Funk T.H. (2010) Getting started: Welcome to IFT-DSS version 0.3.0. Presented to the Joint Fire Science Program Fuels Management Committee, *June 10* (STI-910030-3893).
- Rauscher H.M., Cissel J., Christiansen E., and Funk T.H. (2009) The Interagency Fuels Treatment Decision Support System. Poster presented at the *4th International Fire Ecology & Management Congress: Fire as a Global Process, Savannah, GA, Nov. 30 -Dec. 4* (STI-3761).
- Hafner H.R., Funk T.H., and Penfold B.M. (2009) Monitoring network assessments: lessons learned. Presented at the *National Air Quality Conference, Dallas, TX, March 2-5*, by Sonoma Technology, Inc., Petaluma, CA (STI-3547). Also presented at the EPA Region 5 State/Local/Tribal Contacts Meeting, Chicago, IL, April 21 (STI-3620).
- Hafner H.R., McCarthy M.C., and Funk T.H. (2008) Network assessment for the photochemical assessment monitoring stations (PAMS) program: A national overview. Presented at the *Air & Waste Management Association Symposium on Air Quality Measurement Methods and Technology, Chapel Hill, NC, November 3-6*, by Sonoma Technology, Inc., Petaluma, CA (STI-3409).
- Hafner H.R. and Funk T.H. (2008) Southwest Wyoming air monitoring network assessment. Presented to the Southwest Wyoming Network Assessment External Advisory Committee, July 30, by Sonoma Technology, Inc., Petaluma, CA.

- Chinkin L.R., Sullivan D.C., Funk T.H., Hafner H.R., Roberts P.T., and Ryan P.A. (2006) Weekday versus weekend activity patterns for ozone precursor emissions in California's South Coast Air Basin. *AWMA's 99th Annual Conference & Exhibition, New Orleans, LA, June 20-23*, by Sonoma Technology, Inc., Petaluma, CA (STI-2954).
- Hafner H.R., Brown S.G., Penfold B.M., and Funk T.H. (2004) Use of GIS tool to investigate suitable diesel emissions monitoring locations in Detroit, Michigan. Paper no. 35 presented at the *Air & Waste Management Association Symposium on Air Quality Measurement Methods and Technology, Research Triangle Park, NC, April 19-22* (STI-2444).
- Raffuse S.M., Chan A.C., Funk T.H., Alcorn S.H., Strohm D.E., and Dye T.S. (2004) Incorporating ASOS visibility data in PM<sub>2.5</sub> mapping. Presented at the *U.S. Environmental Protection Agency's 2004 National Air Quality Conference: Your Forecast to Breathe By, Baltimore, MD, February 22* (STI-2492).
- Brown S.G., Reid S.B., Roberts P.T., Buhr M.P., Funk T.H., Kim E., and Hopke P.K. (2004) Reconciliation of the VOC and NO<sub>x</sub> emission inventory with ambient data in the Houston, Texas region. Paper presented at the *U.S. Environmental Protection Agency's 13th Annual Emission Inventory Conference, Clearwater, FL, June 9* (STI-2525).
- Reid S.B., Funk T.H., Sullivan D.C., Stiefer P.S., Arkinson H.L., Brown S.G., and Chinkin L.R. (2004) Research and development of emission inventories for planned burning activities for the Central States Regional Air Planning Association. Paper for the *13th International Emission Inventory Conference "Working for Clean Air in Clearwater", Clearwater, FL, June 8-10* (STI-2515).
- Penfold B.M., Funk T.H., and Hafner H.R. (2003) Exploring the use of suitability modeling to locate air toxics monitors in Massachusetts. Paper and presentation prepared for the *ESRI International User Conference 2003, San Diego, CA, July 7-11* (STI-2388).
- Coe D. L., Chinkin L.R., Stiefer, P.S., and Funk T.H. (2003) Observations of weekday-weekend activity patterns for on-road mobile sources in the Los Angeles area. Presented at the *13<sup>th</sup> Annual Coordinating Research Council On-Road Vehicle Emissions Workshop, San Diego, CA, April 7-9* (STI-2277).
- Funk T.H., Dye T.S., Chan A.C., Anderson C.B., and Penfold B.M. (2003) Mapping PM<sub>2.5</sub> – methods and uncertainties. Presented at *U.S. Environmental Protection Agency's National Air Quality Conference, San Antonio, TX, February 2-5* (STI-902090-2324).
- Hafner H.R., Funk T.H., Penfold B.M., and Anderson D. (2002) Assessment of the toxics monitoring network in Phoenix, Arizona. Presented at the *Symposium on Air Quality Measurement Methods and Technology, San Francisco, CA, November 13* (STI-901483-2232).
- Chinkin L.R., MacDonald C.P., Funk T.H., Crews J.M., Dye T.S., and Wheeler N.J.M. (2002) Preliminary assessment of ozone air quality in the Minneapolis/St. Paul region. Presented at the Minnesota Environmental Initiative Clean Air Minnesota Rollout, St. Paul, MN, by Sonoma Technology, Inc., Petaluma, CA, STI-901104-901105-2242, October 30.
- Lurmann F.W., Funk T.H., Hyslop N.P., Roberts P.T., Wu J., McConnell R., Avol E., and Hammond S.K. (2002) Measurements and modeling of personal exposure to ambient air pollution related to motor vehicle emissions. Presented at the *12th Conference of the International Society of Exposure Analysis, Vancouver, BC, Canada, August 11-15*.
- Stiefer P.S. and Funk T.H. (2002) An ArcGIS-based system to create spatial surrogate data for geographically distributing air emissions. Paper no. 583 presented at the *22nd Annual ESRI International User Conference, San Diego, CA, July 8-12* (STI-2212).

- Funk T.H. and Coe D.L. (2002) Developing internet-based GIS applications to manage and disseminate emissions activity data. Presented at the *11th Annual Emissions Inventory Conference: "Emission Inventories-Partnering for the Future," Atlanta, GA, April 16-18* (STI-2172).
- Funk T.H., Ludewig S.A., Dye T.S., and Bradley R. (2002) Using Geographic Information Systems for real-time display of air quality data. Presented at the *United States Environmental Protection Agency National Air Quality Conference Forecasting and Public Outreach, February 3-6* (STI-2147).
- Coe D.L., Ryan P.A., Funk T.H., and Chinkin L.R. (2001) DOE/OHVT weekday-weekend study: emissions activity results. Presented at the Weekday/Weekend Effect Workgroup, California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-999677-2124, October 23.
- Funk T.H. and Lurmann F.W. (2001) Using GIS to investigate children's exposure to air pollution. Presented at the *Twenty-First ESRI International User Conference, San Diego, CA, June 9-13* (STI-2107).
- Funk T.H., Coe D.L., and Chinkin L.R. (2001) Weekday versus weekend mobile source emissions activity patterns in California's South Coast Air Basin. Paper presented at the *International Emission Inventory Conference, Denver, CO, April 30-May 3, 2001* (STI-2065).
- Funk T.H. and Chinkin L.R. (2001) Using GIS technology for emission inventory and air quality applications. Presented at the SCOS97-NARSTO Data Analysis Conference, STI-2059, February 14.
- Funk T.H. and Chinkin L.R. (2001) Development of spatial allocation factors for the SCOS97 domain. Presented at the *SCOS97-NARSTO Data Analysis Conference, Los Angeles, CA, February 13-15* (STI-2053).
- Roberts P.T., Funk T.H., MacDonald C.P., Main H.H., and Chinkin L.R. (2000) Weekday/weekend ozone observations in the South Coast Air Basin. Presented to California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-999670-1966, April 13.
- Funk T.H. and Chinkin L.R. (1999) The use of PAMS data to evaluate emission inventory estimates in California. Preprints in *Emission Inventory Regional Strategies for the Future, Raleigh, NC, October 26-28, 1999*, Air & Waste Management Association, Pittsburgh, PA (STI 1876).
- Haste T.L., Kumar N., Chinkin L.R., Roberts P.T., Saeger M., Mulligan S., and Yarbrough J. (1999) Compilation and evaluation of a Paso del Norte emission inventory for use in photochemical dispersion modeling. Paper no. 99-190 to be presented at the *Air & Waste Management Association 92nd Annual Meeting & Exhibition, St. Louis, MO, June 20-24* (STI 1862).
- Chinkin L.R., Haste T.L., Coe D.L., Puri A.K., Hall J.V., and Levy S. (1998) Emission inventory projection project. Presented at *Air & Waste Management Association Emission Inventory: Living in a Global Environment, New Orleans, LA, December 8-10* (STI 1840).
- Haste T.L., Kumar N., Chinkin L.R., Roberts P.T., Saeger M., Mulligan S., Figueroa V.H.P., and Yarbrough J. (1998) Compilation and evaluation of a Paso del Norte emission inventory for use in photochemical dispersion modeling. Presented at the *Air & Waste Management Association Emission Inventory: Living in a Global Environment, New Orleans, LA, December 8-10* (STI 1839).
- Haste T.L., Chinkin L.R., Kumar N., Lurmann F.W., and Hurwitz S.B. (1998) Use of ambient data to evaluate a regional emission inventory for the San Joaquin Valley. Paper and presentation at *PM<sub>2.5</sub> A Fine Particle Standard, Long Beach, CA, sponsored by Air & Waste Management Association, the U.S. Environmental Protection Agency, and the U.S. Department of Energy, January 28-30* (STI-997211-1806, STI-997211-1794).

- Chinkin L. and Haste T.L. (1997) Use of PAMS data to evaluate an emission inventory test case: Southeast Texas. Paper presented at the *Air & Waste Management Association Emission Inventory: Planning for the Future Conference, Research Triangle Park, NC, October 28-30* (STI-1760).
- Main H.H. and Haste T.L. (1997) Data validation of PAMS auto-GC VOC data: more lessons learned. Paper presented at the *Air & Waste Management Association Measurement of Toxic and Related Air Pollutants Symposium Conference, Raleigh-Durham, NC, April 29-May 1*, STI-1718.
- Main H.H., Roberts P.T., and Haste T.L. (1997) Spatial and temporal variations of PAMS VOCs in the Northeast. Paper presented at the *Air & Waste Management Association Measurement of Toxic and Related Air Pollutants Symposium Conference, Raleigh-Durham, NC, April 29-May 1* (STI-1717).
- Chinkin L.R., Stoelting M.W., and Haste T. (1996) Development of a gridded leaf biomass inventory for use in estimating biogenic emissions for urban airshed modeling. Paper presented at the *Air & Waste Management Association Emission Inventory: Key to Planning, Permits, Compliance & Reporting Conference, New Orleans, LA, September 4-6*, (STI-1596).

### **Formal Reports**

- Bai S., Eisinger D.S., and Funk T.H. (2010) Guidance for estimating naphthalene and polycyclic organic matter emissions from transportation projects. Technical memorandum Prepared for Jim Andrews, P.E., California Department of Transportation, Division of Environmental Analysis, Office of Hazardous Waste, Air and Noise, by Sonoma Technology, Inc., STI-909103-3820, June.
- Wheeler N.J.M., Reed J.E., Unger K., Raffuse S.M., Ludewig S.A., Funk T.H., and Gray E.A. (2010) Interagency Fuels Treatment Decision Support System software design specifications. Software specifications prepared for the Joint Fire Science Program, Boise, ID by Sonoma Technology, Inc., Petaluma, CA, STI-909029.03-3664-SS, May 21.
- Funk T.H. (2010) Interagency Fuels Treatment-Decision Support System proof-of-concept system. Technical memorandum, STI-909029-3876-TM, May.
- Funk T.H., Penfold B.M., Pasch A.N., MacDonald C.P., and Stone J.M. (2009) Ambient air quality monitoring network assessment for the San Joaquin Valley. Final report prepared for the San Joaquin Valley Unified Air Pollution Control District by Sonoma Technology, Inc., Petaluma, CA, STI-908072.04-3643-FR, July.
- Funk T.H., Raffuse S.M., Chinkin L.R., and Rauscher H.M. (2009) The development of an Interagency Fuels Treatment Decision Support System. Presentation made to the Joint Fire Science Program, The National Interagency Fuels Coordination Group, Boise, ID by Sonoma Technology, Inc., Petaluma, CA, and the Joint Fire Science Program, Boise, ID, STI-908038-3587, March 31.
- Funk T.H., Corman R.G., Reed J.E., Raffuse S.M., and Wheeler N.J.M. (2009) The Interagency Fuels Treatment Decision Support System (IFT-DSS) software architecture. Software architecture design prepared for the Joint Fire Science Program, Boise, ID, by Sonoma Technology, Inc., Petaluma, CA, STI-908038.04-3565, March.
- Funk T.H., Rauscher M., Raffuse S.M., and Chinkin L.R. (2008) Findings of the current practices and needs assessment for the Interagency Fuels Treatment Decision Support System (IFT-DSS) project. Technical memorandum prepared for the Interagency Fuels Treatment Work Group (IFTWG), by Sonoma Technology, Inc., Petaluma, CA, and the Air Fire Science Team, Seattle, WA, STI-908038.01-3504, December.

- McCarthy M.C., Funk T.H., and Hafner H.R. (2008) Network assessment for the national photochemical assessment monitoring stations (PAMS) program. Draft final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-905410.06-3438-DFR, September.
- Funk T.H. and Hafner H.R. (2008) Air monitoring network assessment for southwest Wyoming. Draft final report prepared for the State of Wyoming, Department of Environmental Quality, Air Quality Division, Cheyenne, WY by Sonoma Technology, Inc., Petaluma, CA, STI-908003.08-3423-DFR, August.
- Hafner H.R. and Funk T.H. (2008) Southwest Wyoming Air Monitoring Network Assessment. Presented to Southwest Wyoming Network Assessment External Advisory Committee, July 30, by Sonoma Technology, Inc., Petaluma, CA.
- Brown S.G., Funk T.H., Charrier J., Gilliland E.K., Hafner H.R., and Reid S.B. (2008) Phase II source apportionment findings (extension to the CCOS project "Comparison of ambient measurements to emissions representations for modeling"). Technical memorandum prepared for the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, STI-905044.14-3396-TM, June 30.
- Reid S.B., Sullivan D.C., Cozzo E.M., Penfold B.M., Raffuse S.M., and Funk T.H. (2006) Compilation of emission growth factors, emission growth surrogates, and activity projections used in forecasting area, point, or mobile source emissions. Final compilation prepared for the San Joaquin Valley Unified Air Pollution Control District, Fresno, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-905032-2868-FC, December.
- Reid S.B., Sullivan D.C., Penfold B.M., Funk T.H., Tamura T.M., Stiefer P.S., Raffuse S.M., and Arkinson H.L. (2004) Emission inventory development for mobile sources and agricultural dust sources for the Central States. Final report prepared for The Central States Air Resource Agencies and The Central Regional Air Planning Association, Oklahoma City, OK, by Sonoma Technology, Inc., Petaluma, CA, STI-903574-2611-FR, October.
- Reid S.B., Brown S.G., Sullivan D.C., Arkinson H.L., Funk T.H., and Stiefer P.S. (2004) Research and development of planned burning emission inventories for the Central States Regional Air Planning Association. Final report prepared for The Central States Air Resource Agencies and The Central Regional Air Planning Association, Oklahoma City, OK, by Sonoma Technology, Inc., Petaluma, CA, STI-902514-2516-FR, July.
- Roberts P.T., Brown S.G., Reid S.B., Buhr M.P., Funk T.H., Stiefer P.S., Hopke P.K., and Kim E. (2004) Emission inventory evaluation and reconciliation in the Houston-Galveston area. Final report prepared for the Houston Advanced Research Center, Texas Environmental Research Consortium, The Woodlands, TX by Sonoma Technology, Inc., Petaluma, CA, STI-903640-2490-FR2, June.
- Coe D.L., Reid S.B., Stiefer P.S., Penfold B.M., Funk T.H., and Chinkin L.R. (2004) Collection and analysis of weekend/weekday emissions activity data in the South Coast Air Basin. Final report prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-901140/901150-2477-FR; ARB Contract Nos. 00-305 and 00-313, May.
- Sullivan D.C., Reid S.B., Funk T.H., Stiefer P.S., and Arkinson H.L. (2004) Emission estimation methods for the CENRAP planned burning emission inventories. Final methods document prepared for The Central States Air Resource Agencies and The Central Regional Air Planning Association, Oklahoma City, OK, by Sonoma Technology, Inc., Petaluma, CA, STI-902512-2451-FMD, April.

- Sullivan D.C., Funk T.H., Gorin C.A., Reid S.B., Stiefer P.S., and Tamura T.M. (2004) Compilation of emission inventory methods, control measures assessments, and estimated emissions. Prepared for San Joaquin Valley Unified Air Pollution Control District, Fresno, CA by Sonoma Technology, Inc., Petaluma, CA, STI-903340-2429-FC, January.
- Hafner H.R., Brown S.G., Penfold B.M., and Funk T.H. (2003) Designing a monitoring regimen for air toxics from landfills. Final report prepared for Massachusetts Department of Environmental Protection, Boston, MA, by Sonoma Technology, Inc., Petaluma, CA, STI-902133-2335-FR, March.
- Funk T.H., Chinkin L.R., Ryan P.A., and Penfold B.M. (2003) Top-down evaluation of urban area and mobile source SO<sub>2</sub>, CO, and NO<sub>x</sub> emission estimates in the 1996 National Emission Inventory. Final report prepared for EPRI, Palo Alto, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-902190-2279-FR, March.
- Chinkin L., Crews J.M., MacDonald C.P., Funk T.H., Wheeler N.J.M., and Dye T.S. (2002) Preliminary assessment of ozone air quality issues in the Minneapolis/St. Paul region. Report prepared for the Minnesota Pollution Control Agency, St. Paul, MN, by Sonoma Technology, Inc., Petaluma, CA, 901104/901105-2239-RFR2, October.
- Main H.H., Funk T.H., and Penfold B.M. (2002) Arizona Department of Environmental Quality toxics network assessment. Report prepared for the Arizona Department of Environmental Quality by Sonoma Technology, Inc., Petaluma, CA, STI-901483-2226-FR, September.
- Stiefer P.S. and Funk T.H. (2002) CRPAQS task 4 - comparison of surrogates and real-world source patterns. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-999544-2221-TM, July.
- Chinkin L.R., Funk T.H., and Wheeler N.J.M. (2001) Emission inventory processing issues. Technical memorandum prepared for the Utah Department of Air Quality, Salt Lake City, UT, by Sonoma Technology, Inc., Petaluma, CA, STI-900031-2129-TM, November.
- Chinkin L.R., Gorin C.A., and Funk T.H. (2001) Revised temporal allocation factors for area and off-road emissions sources. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-900201-2120-TM, September.
- Funk T.H., Ludewig S.A., and Dye T.S. (2001) Functional design document for the air quality and meteorological information prototype application. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-901280-2117-TM, September.
- Funk T.H., Stiefer P.S., and Chinkin L.R. (2001) Development of gridded spatial allocation factors for the State of California. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-900201/999542-2092-TM, July.
- Funk T.H. and Chinkin L.R. (2001) Spatial allocation factors for area and non-road mobile sources. Technical memorandum prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-900201/999543-2049-TM, January.
- Roberts P.T., Funk T.H., MacDonald C.P., Main H.H., and Chinkin L.R. (2001) Weekday/weekend ozone observations in the South Coast Air Basin: retrospective analysis of ambient and emissions data and refinement of study hypotheses. Report prepared for the National Renewable Energy Laboratory, Golden, CO by Sonoma Technology, Inc., Petaluma, CA, STI-999670-1961-FR, January.

- Chinkin L.R., Funk T.H., Main H.H., and Roberts P.T. (2000) PAMS data analysis for Southern California. Volume VI: Use of PAMS data to evaluate a South Coast Air Basin emission inventory. Report prepared for South Coast Air Quality Management District, Diamond Bar, CA by Sonoma Technology, Inc., Petaluma, CA, STI-997528-1916-FR, November.
- Funk T.H. and Chinkin L.R. (2000) Technical memorandum: evaluation of Atlanta emission inventory using the EMS-95 PAMS analysis tool developed by LADCO. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Petaluma, CA, STI-999443-1989-FR, June.
- Coe D.L., Chinkin L.R., Funk T.H., Prouty J.D., and Ray S.E. (2000) Work plan for the California Regional PM<sub>10</sub>/PM<sub>2.5</sub> Air Quality Study: Development of emissions activity data in support of CRPAQS annual and episodic field studies. Draft work plan prepared for the San Joaquin Valleywide Air Pollution Study Agency c/o California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-999540-1955-DWP, March.
- Roberts P.T., Alcorn S.H., Anderson C.B., Funk T.H., Chinkin L.R., and Main H.H. (2000) Northeast Gulf of Mexico ozone scoping study. Report prepared for Louisiana Mid-Continent Oil and Gas Association, Baton Rouge, LA by Sonoma Technology, Inc., Petaluma, CA, STI-999400-1930-FR, February.
- Lurmann F.W., Hall J.V., Kleinman M., Chinkin L.R., Brajer V., Meacher D., Mummery F., Arndt R.L., Funk T.H., Alcorn S.H., and Kumar N. (1999) Assessment of the health benefits of improving air quality in Houston, TX. Prepared for the City of Houston, TX, by Sonoma Technology, Inc., Petaluma, CA, California State University, Fullerton, CA, and University of California, Irvine, CA, STI-998460-1875-FR, November.
- Haste T.L. and Chinkin L.R. (1999) Analysis of PAMS data in California Volume II: The use of PAMS data to evaluate regional emission inventories in California. Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-998392-1884-FR, May.
- Chinkin L.R., Main H.H., Anderson C.B., Coe D.L., Haste T.L., Hurwitt S., and Kumar N. (1999) Study of air quality conditions including ozone formation, emission inventory evaluation, and mitigation measures for Crittenden County, Arkansas. Report prepared for the Arkansas Department of Pollution Control and Ecology, Little Rock, AR by Sonoma Technology, Inc., Petaluma, CA, STI-998310-1837-FR, March.
- Stoeckenius T., Yarwood G., Shepard S., Taylor A., Lee K., Main H.H., and Haste T.L. (1998) Analysis of data from the 1995 NARSTO-Northeast Air Quality Study. Volume I: data validation and statistical summaries of routine data. Report prepared for the Coordinating Research Council, Atlanta, GA, by ENVIRON International Corporation, Novato, CA, and Sonoma Technology, Inc., Petaluma, CA, December.
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- MacDonald C.P., Roberts P.T., Main H.H., Kumar N., Haste T.L., Chinkin L.R., and Lurmann F.W. (1998) Analysis of meteorological and air quality data for North Carolina in support of modeling. Report prepared for North Carolina Department of Environment and Natural Resources, Division of Air Quality, Raleigh, NC by Sonoma Technology, Inc., Petaluma, CA, STI-997420-1818-DFR, October.

- Haste T.L., Kumar N., Chinkin L.R., and Roberts P.T. (1998) Compilation and evaluation of a gridded emission inventory for the Paso del Norte area. Report prepared for the U.S. Environmental Protection Agency, Air Quality Analysis Section, Dallas, TX, STI-998110-1828-FR, September.
- Haste T.L., Chinkin L.R., Kumar N., Lurmann F.W., and Hurwitt S.B. (1998) Use of ambient data collected during IMS95 to evaluate a regional emission inventory for the San Joaquin Valley. Final report prepared for the San Joaquin Valleywide Air Pollution Study Agency, c/o the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, STI-997211-1800-FR, July.
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- Chinkin L.R., Haste T.L., Coe D.L., Puri A.K., Hall J.V., and Levy S. (1998) Emission inventory projection project. Final report prepared for the American Petroleum Institute, Washington, DC by Sonoma Technology, Inc., Santa Rosa, CA, STI-996250-1745-FR, February.
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