

Journal Articles

McCarthy M.C., O'Brien T.E., Charrier J.G., and Hafner H.R. (2008) Characterization of the chronic risk and hazard of hazardous air pollutants in the United States using ambient monitoring data. *Environ Health Perspect* (submitted).

Meeting Presentations and Conference Proceedings

Drury S.A., Larkin N., Huang S., Strenfel S.J., O'Brien T., and Raffuse S.M. (2010) Fuel loading, fuel consumption, and smoke emissions simulations under wildfire conditions: the 2006 tripod wildfire case study. Poster presented at the *3rd Fire Behavior and Fuels Conference, Spokane, WA, October 25-29* by Sonoma Technology, Inc., Petaluma, CA and USFS AirFire Team, PNW Research Station, Seattle, WA (STI-4010).

Hafner H., O'Brien T.E., Brown S.G., and DeWinter J.L. (2010) Systat: Statistical visualization software. Presented to the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3946, August.

DeWinter J.L., Brown S.G., O'Brien T.E., and Hafner H.R. (2010) Systat: statistical visualization software. *Lansing, MI, March 31-April 1* STI 908015-3834.

McCarthy M.C., O'Brien T.E., Stone J.M., and Hafner H. (2009) Nez Perce air toxics data analysis. Presented to Nez Perce Tribe's Environmental Restoration and Waste Management Division Air Quality Program, Lapwai, ID, STI 909027-3646, June.

Hafner H., O'Brien T.E., McCarthy M.C., and Brown S.G. (2009) Prescribed analyses of PAMS data collected from 1994 to 2006. Presented to the San Diego Air Pollution Control District, San Diego, CA, STI-908050-3634, June.

Hafner H., O'Brien T.E., and Brown S.G. (2009) SYSTAT: Statistical visualization software. Presented to the San Diego Air Pollution Control District, San Diego, CA, STI-908050-3635, June.

McCarthy M.C., O'Brien T.E., and Hafner H.R. (2007) Risk and hazard characterization summary. Presented at the *Air Toxics Data Analysis Workshop, Rosemont, IL, October 4*, by Sonoma Technology, Inc., Petaluma, CA (STI-905306-3236).

Hafner H.R., O'Brien T.E., Frankel A.P., McCarthy M.C., and Brown S.G. (2006) 2005 JATAP monitoring project gaseous air toxics data validation and analysis. Presented at the *JATAP Workshop Meeting, Phoenix, AZ, March 6* by Sonoma Technology, Inc., Petaluma, CA (905039.02-2921).

Alcorn S.H., Richards L.W., O'Brien T.E., and Lehrman D. (2003) Comparisons between light scattering and fine particle mass data, California Regional PM₁₀/PM_{2.5} Air Quality Study (CRPAQS). Poster presentation for the *Annual American Association for Aerosol Research Conference, Anaheim, CA, October 20-24* (STI-902321-2430).

Hyslop N.P., Lurmann F.W., Vaughan D.L., Roberts P.T., and O'Brien T.E. (2003) Spatial variability of PM exposures as determined in the Fresno Asthmatic Children's Environment Study (FACES). Poster presentation prepared for an *American Association for Aerosol Research meeting, Pittsburgh, PA, March 31-April 4* (STI-2345).

Hyslop N., O'Brien T., Roberts P., and Lurmann F. (2002) Continuous PM measurements in a rural town in the San Joaquin Valley. In Conference proceedings of the *Symposium on Air Quality Measurement Methods and Technology, San Francisco, CA, November 14* (STI-999300-2268).

Formal Reports

- Pasch A.N., Hafner H.R., Vaughn D.L., and O'Brien T.E. (2011) Summary of results from near-road NO₂ monitoring pilot study. Draft final report 2 prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910214-4211-DR2, November 30.
- Hafner H., Penfold B.M., and O'Brien T.E. (2010) Wyoming statewide air monitoring network assessment Task A: quality assurance. Technical memorandum prepared for the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3883, September 16.
- McCarthy M.C., Shiffrin J.P., O'Brien T.E., and Hafner H.R. (2010) Evaluation of regional ozone monitoring network and analysis of data to determine trends. Final report prepared for the Capital Airshed Partnership, Edmonton AB, Canada, by Sonoma Technology, Inc., Petaluma, CA, STI-909049-3811-FR, March.
- McCarthy M.C., Stone J.M., O'Brien T.E., and Hafner H.R. (2009) Lewiston area air toxics data analysis. Final report prepared for the Nez Perce Tribe, Environmental Restoration and Waste Management Division, Lapwai, ID, by Sonoma Technology, Inc., Petaluma, CA, STI-909027-3654, June.
- O'Brien T.E., Brown S.G., McCarthy M.C., and Hafner H. (2009) Prescribed analyses of San Diego photochemical assessment monitoring station (PAMS) hydrocarbon data collected from 1994 to 2006. Prepared for the San Diego Air Pollution Control District, San Diego, CA, by Sonoma Technology, Inc., STI-908050-3621-FR, June.
- McCarthy M.C., Charrier J.G., O'Brien T.E., and Hafner H.R. (2007) Phase V national air toxics data analysis. Compilation of work products prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-905306-3234, October.
- McCarthy M.C., Charrier J.G., Rubin J.I., O'Brien T.E., and Hafner H.R. (2007) Southeastern air toxics data analysis. Final report prepared for the Southeastern States Air Resource Managers, Inc., Forest Park, GA, by Sonoma Technology, Inc., Petaluma, CA, STI-906021.07-3122-FR, March.
- Hafner H.R. and O'Brien T.E. (2006) Analysis of air toxics collected as part of the Joint Air Toxics Assessment Project. Final report prepared for the Arizona Department of Environmental Quality, Phoenix, AZ, by Sonoma Technology, Inc., Petaluma, CA, STI-905039.03-3016-FR, December.
- O'Brien T.E. and Hafner H.R. (2006) Data validation of Gila River JATAP 2005 air toxics and PM_{2.5} speciation data. Technical memorandum prepared for the Gila River Indian Community Department of Environmental Quality, Sacaton, AZ, by Sonoma Technology, Inc., Petaluma, CA, STI-906003-2972-TM, June.
- Vaughn D.L., O'Brien T.E., Roberts P.T., and Rice J. (2005) Comparison of integrated filter and semi-continuous measurements of PM_{2.5} nitrate, sulfate, and carbon aerosols in the Speciation Trends Network (STN). Final report prepared for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA 454/R-05-004, Task Order 1-04; STI-905104.04-2804-FR, December. Available on the Internet at <http://www.epa.gov/ttn/amtic/semicontin.html>.

- Hafner H.R. and O'Brien T.E. (2005) Characteristics of PAMS hydrocarbon data collected by the South Coast Air Quality Management District 1994-2003. Final report prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-904043-2701-FR, July.
- McCarthy M.C., O'Brien T.E., and Hafner H.R. (2005) Prescribed analyses of San Joaquin Valley hydrocarbon data collected from 1998 to 2003 version 2. Final report prepared for the San Joaquin Valley Unified Air Pollution Control District, Fresno, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-904442-2718-FR2, June.
- Hyslop N.P., O'Brien T.E., Roberts P.T., and Lurmann F.W. (2004) Exploratory data analysis of particulate matter concentrations in Corcoran, California. Final report prepared for the San Joaquin Valley Air Pollution Control District, Fresno, CA, by Sonoma Technology, Inc., Petaluma, CA, 999300-2485-FR, February.
- Alcorn S.H., O'Brien T.E., Richards L.W., and Dye T.S. (2003) Automated Surface Observing Systems (ASOS): Section 3 - comparisons between ASOS light scattering data and continuous PM_{2.5} measurements. Report prepared for the Center for Air Pollution Impact and Trend Analysis, Washington University, St. Louis, MO, by Sonoma Technology, Inc., Petaluma, CA, STI-902180-2434c, October.
- Brown S.G., Simon E.M., O'Brien T.E., and Hafner H.R. (2003) Assessment of PM_{2.5} speciation data validation tool and procedures. Technical memorandum prepared for the Arizona Department of Environmental Quality, Phoenix, AZ, by Sonoma Technology, Inc., Petaluma, CA, STI-903177, June.
- Hyslop N.P., O'Brien T.E., and Roberts P.T. (2001) Naval Air Warfare Center environmental data collection and processing. Report prepared for Naval Air Warfare Center, China Lake, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-900870-2116-FR, September.
- Wheeler N.J.M., Main H.H., Stiefer P.S., and O'Brien T.E. (2001) A user's guide to the updated MOTHER database. Prepared for the Texas Natural Resource Conservation Commission, Austin, TX, by Sonoma Technology, Inc., Petaluma, CA, STI-900580-2119-UG, August.
- Main H.H., O'Brien T.E., Hardy C., Wharton S., and Sullivan D. (2001) Characterization of Auto-GC data in Houston. Report prepared for the Texas Natural Resource Conservation Commission, Austin, TX, by Sonoma Technology, Inc., Petaluma, CA and the Texas Natural Resource Conservation Commission, Austin, TX, STI-900610-2112-EO, August.
- Main H.H. and O'Brien T.E. (2001) Statistical summary of PAMS data collected in the Northeast and Mid-Atlantic states. Report prepared for NESCAUM, Boston, MA, by Sonoma Technology, Inc., Petaluma, CA, STI-900860-2045-FR2, June.
- Main H.H. and O'Brien T.E. (2001) PAMS data validation for the Northeast and Mid-Atlantic states, 1994-1999. Report prepared for NESCAUM, Boston, MA, by Sonoma Technology, Inc., Petaluma, CA, STI-900860-2040-FR, June.