Journal Articles

- Coughlin J.G., Tasoglou A., Silva L.P., Haile K., Silva L., Hamilton S., Thoma E., Fuoco M., Katz R., and Liangou A. (in preparation) Stationary and mobile ambient air monitoring comparison of a PTR-TOF-MS-MS against four other volatile organic compound instruments in fenceline communities.
- Coughlin, J.G., Clark, C.M., Pardo, L., Sabo, R.D., Ash, J. (in preparation) Multi-decadal carbon stock trends due to national air pollution policies in the United States.
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White Papers

Coughlin J.G., Pavlovic N.R., and Vijayan A. (2022) Satellite Remote Sensing of Methane. White paper prepared for Electric Power Research Institute (EPRI), Palo Alto, CA by Sonoma Technology, Petaluma, CA, STI-922062-7827, December 2.

Meeting Presentations, Webinars, and Conference Proceedings

Coughlin J., Chang S.Y., Pavlovic N.R., Huang J., Craig K.J., Scarborough C., and Driscoll C.T. (2023) Spatially varying nitrogen critical loads and the influences of mediating factors. Presentation given at the *NADP Spring Meeting*, *Madison*, *WI*, *May 1-5*, by Sonoma Technology, Petaluma, CA. STI-7898.

- Chang S.Y., Coughlin J.G., Huang J., Craig K.J., Herrick J., Driscoll C.T., and Pavlovic N.R. (2022) Empirical critical levels of ozone for U.S. tree species and their uncertainties using machine learning. Poster presented at the *American Geophysical Union (AGU) Fall Meeting, Chicago, IL, December 12-16*, by Sonoma Technology, Petaluma, CA. STI-7771.
- Chang S.Y., Pavlovic N.R., Coughlin J., Huang J., Craig K.J., Scarborough C., Horn K., Driscoll C.T., and Herrick J. (2022) Empirical critical levels of ozone for U.S. tree species and their uncertainties with machine learning. Presentation given at the *National Atmospheric Deposition Program 2022 Science Symposium, Knoxville, TN, November 17,* by Sonoma Technology, Petaluma, CA, the Freedom Consulting Group, Columbia, MD, and the Syracuse University Department of Civil and Environmental Engineering, Syracuse, NY. STI-7769.
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- Liangou, A., Tasoglou, A., Coughlin, J.G., Silva, L.P., Haile, K., Acosta, R. (2022) A Comparison of a PTR-ToF-MS Against Four Other VOC Measurement Methods Using Standardized Techniques During Fence-line Monitoring in Four States. Poster given at *2022 American Geophysical Union Conference*, *November 2022*.
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- Pardo, L.H., Clark, C.M., Ash, J., Coughlin, J.G., Sabo, R.D. (2022) Re-assessing risk from nitrogen and sulfur deposition to forest ecosystems across the continental US. Presentation given at *2022 National Atmospheric Deposition Program Conference*, *November 2022*.
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- Pardo, L.H., Horn, K.J., Clark, C.M., Thomas, R.Q., Sabo, R.D., Ash, J., Bell, M.D., Coughlin, J.G., James, J. (2018) Assessing risk to forest ecosystems from nitrogen and sulfur deposition across the continental US. Presentation given at 2018 National Atmospheric Deposition Program Conference, November 2018.
- Coughlin, J.G., Fuoco, M., Hamilton, S. (2017) The Geospatial Monitoring of Air Pollutants (GMAP) and its role in addressing critical knowledge gaps in air quality and source emissions. Poster given at *National Atmospheric Deposition Program 2017 Meeting, November 2017*.
- Coughlin, J.G., Rose, L., Pekney, N., Elliott, E.M. (2016) Reactive nitrogen emission from the Marcellus Shale natural gas activity and implications for regional deposition. Poster given at 96th Annual American Meteorological Society Meeting, January 2016.
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- Marrero J., Schill S.R., and Scarborough C. (2023) Tesoro Refining & Marketing Company, LLC (a subsidiary of Marathon Petroleum Corporation) rule 1180 fenceline monitoring Q1 report: January 2023–March 2023. Quarterly report prepared for Tesoro Refining and Marketing Company, LLC, Carson, CA, by Sonoma Technology, Petaluma, CA, STI-7918, May.
- Marrero J.E., Schill S.R., Scarborough C., and Coughlin J. (2022) Tesoro Refining & Marketing Company, LLC (a subsidiary of Marathon Petroleum Corporation) rule 1180 fenceline monitoring Q3 report: July 2022–September 2022. Quarterly report prepared for Tesoro Refining & Marketing Company LLC, Martinez, CA by Sonoma Technology, Petaluma, CA, STI-922018-7817, November 21.
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