Sydney Dial-Sauers

Senior Research Technician
Chemistry Department
Southern California Coastal Water Research Project

Education

B.S. Marine Biology, California State University, Long Beach. 2021

Professional Experience

Senior Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA. 2024-present

Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA. 2022-2024

Laboratory Assistant, Southern California Coastal Water Research Project. Costa Mesa, CA. 2021-2022

Husbandry Technician, Quality Marine. Los Angeles, CA. 2020-2021

Journal Articles

Xin, D., S. Sauers, D. Nguyen, J. Gray, E. Fassman-Beck. 2026. Field monitoring of microplastics in biofilter media: insights into media characteristics and design. *Blue-Green Systems* DOI:10.2166/bgs.2026.008.

Xin, D., S. Sauers, D. Nguyen, E. Fassman-Beck. 2026. Field Monitoring of Microplastics in Urban Runoff: Treatment Efficiency of Biofilters. *Environmental Science & Technology* DOI:10.1021/acs.est.5c18706.

Lao, W., S. Sauers, C.S. Wong. 2025. Characterization and potential influence of laboratory

airborne particle fallout on microplastics analysis. *Journal of Hazardous Materials* 499:140309.

Lao, W., S. Sauers, M. Salmon, C.S. Wong. 2024. Development and validation of an acid/alkaline digestion method for efficient microplastic extraction from wastewater treatment plant effluents: Sulfuric acid concentration and contact time do matter. *Science of the Total Environment* 917: 170528.

Technical Reports

Wong, C.S., S. Sauers, K.C. Schiff, R. Butler, A.C. Mehinto. 2026. Southern California Bight 2023 Regional Monitoring Program: Volume VII-A. Chemical Contaminants in Coastal Bivalves. Technical Report 1482.A. Southern California Coastal Water Research Project. Costa Mesa, CA.

Fassman-Beck, E., D. Xin, S. Sauers, D. Nguyen, J. Gray. 2026. Field Monitoring of Microplastics Loading and Accumulation in Biofiltration Best Management Practices. Technical Report 1457. Southern California Coastal Water Research Project. Costa Mesa, CA.

Fassman-Beck, E., E. Tiernan, D. Xin, A.C. Mehinto, V. McGruer, S. Sauers. 2025. Development of a Method to Measure the Impacts of Street Sweeping on Wet Weather Runoff Water Quality. Technical Report 1411. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wong, C.S., W. Lao, S. Sauers, D. Nguyen, L.M. Thornton Hampton. 2024. Multimedia investigations of microplastic concentrations in the Los Angeles and San Gabriel Rivers. Technical Report 1389. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wong, C.S., W. Lao, S. Sauers, D. Nguyen, R. Butler, D. Lin. 2024. Characterizing the Removal of Microplastics by California Wastewater Treatment Plants: Implications for Management Strategies. Technical Report 1378. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wong, C.S., S. Sauers, W. Lao. 2024. Stormwater Monitoring Coalition Laboratory Guidance Document (Fourth Edition). Technical Report 1379. Southern California Coastal Water Research Project. Costa Mesa, CA.