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**USING ADENOSINE TRIPHOSPHATE CONCENTRATION AS A MEASURE OF
FUEL TREATMENT MICROBICIDE PERFORMANCE**

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Although Adenosine Triphosphate (ATP) has been used to estimate microbial biomass in aqueous systems for more than fifty years, it has only been adopted for use with fuels and fuel-associated water during the past several years (Passman *et al.* *Non-conventional Methods for Estimating Fuel System Bioburdens Rapidly*. In: R. E. Morris. Ed. *Proceedings of the 8th International Conference on the Stability and Handling of Liquid Fuels*; 14-19 September 2003, Steamboat Springs, CO.)

This paper reports the evaluation of ATP as a parameter for evaluating the performance of fuel treatment microbicides. Additionally, it presents ATP test repeatability data developed as part of the ASTM test method development process. Test results from two ATP test protocols are compared. Additionally, ATP data are compared with culture data on the basis of speed of data availability and test precision.