

Supporting Information For

High Cetane Renewable Diesel Fuels Prepared from Methyl Ketones and Diols

Kale W. Harrison and Benjamin G. Harvey*

US NAVY, NAWCWD, Research Department, Chemistry Division, China Lake, California
93555

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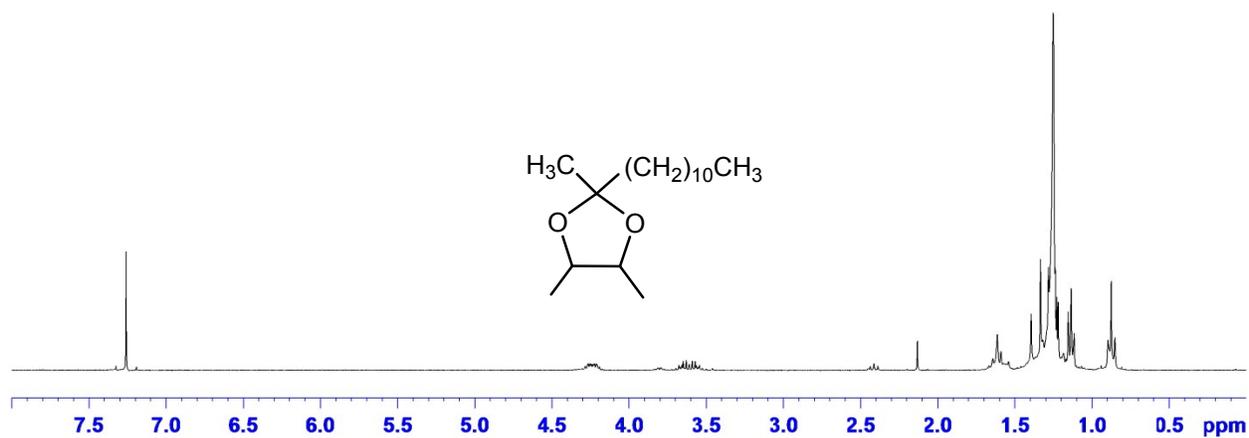


Figure S1. ^1H NMR spectrum of 2,4,5-trimethyl-2-undecyl-1,3-dioxolane (**1**)

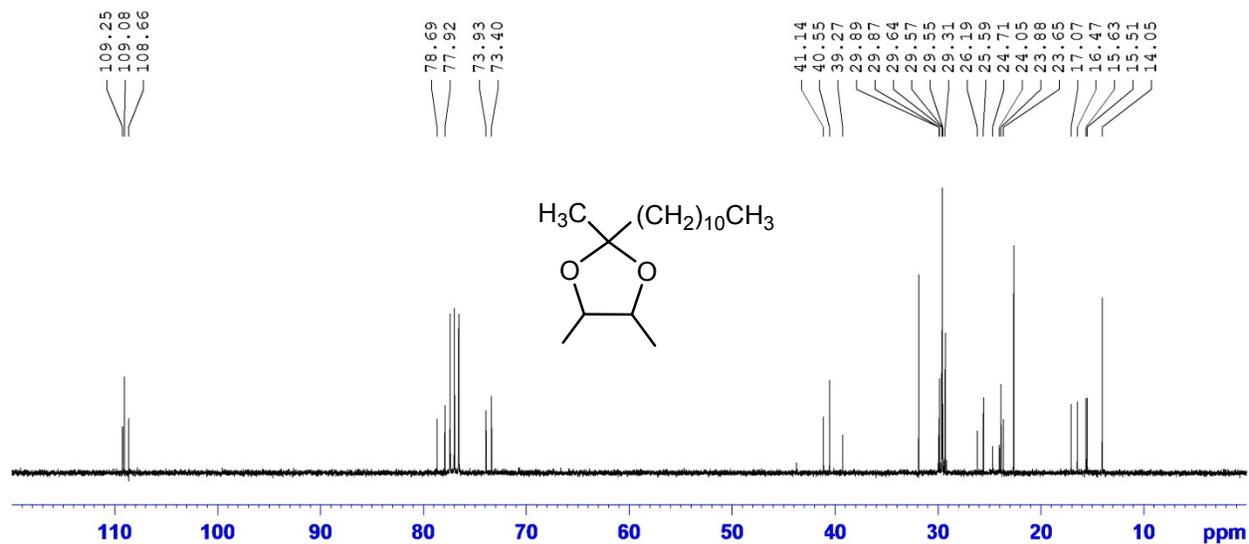


Figure S2. ^{13}C NMR spectrum of 2,4,5-trimethyl-2-undecyl-1,3-dioxolane (**1**)

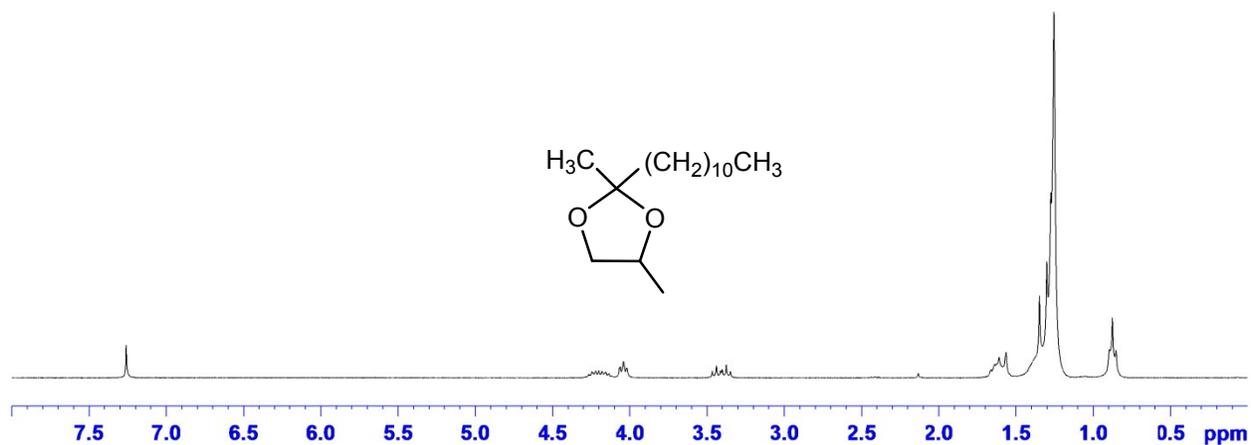


Figure S3. ¹H NMR spectrum of 2,4-dimethyl-2-undecyl-1,3-dioxolane (**2**)

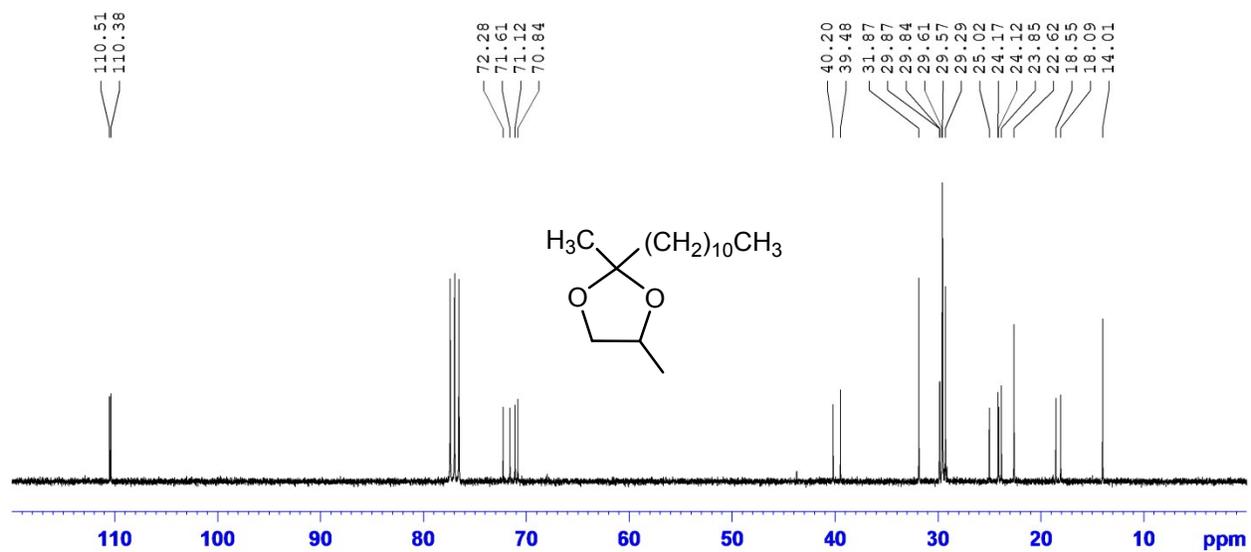


Figure S4. ¹³C NMR spectrum of 2,4-dimethyl-2-undecyl-1,3-dioxolane (**2**)

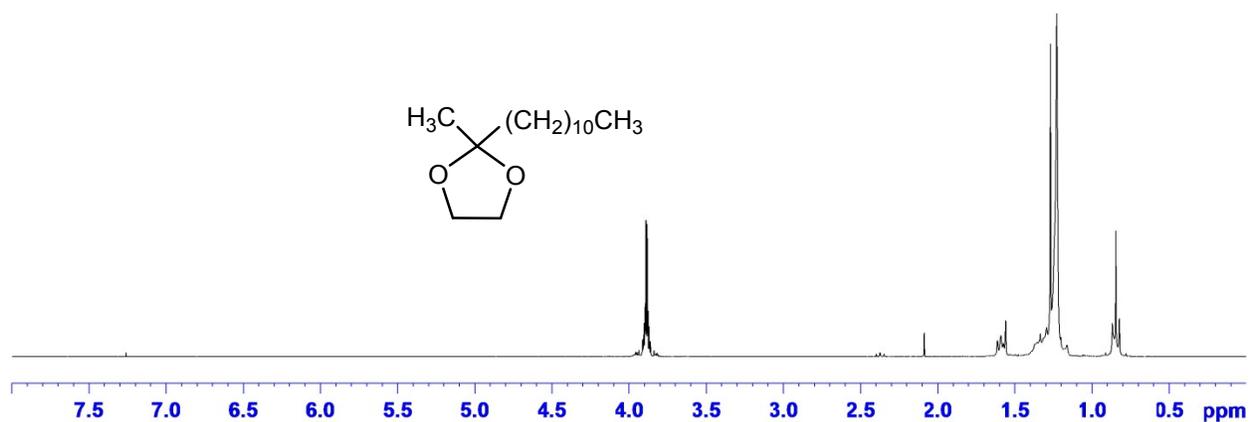


Figure S5. ^1H NMR spectrum of 2-methyl-2-undecyl-1,3-dioxolane (**3**)

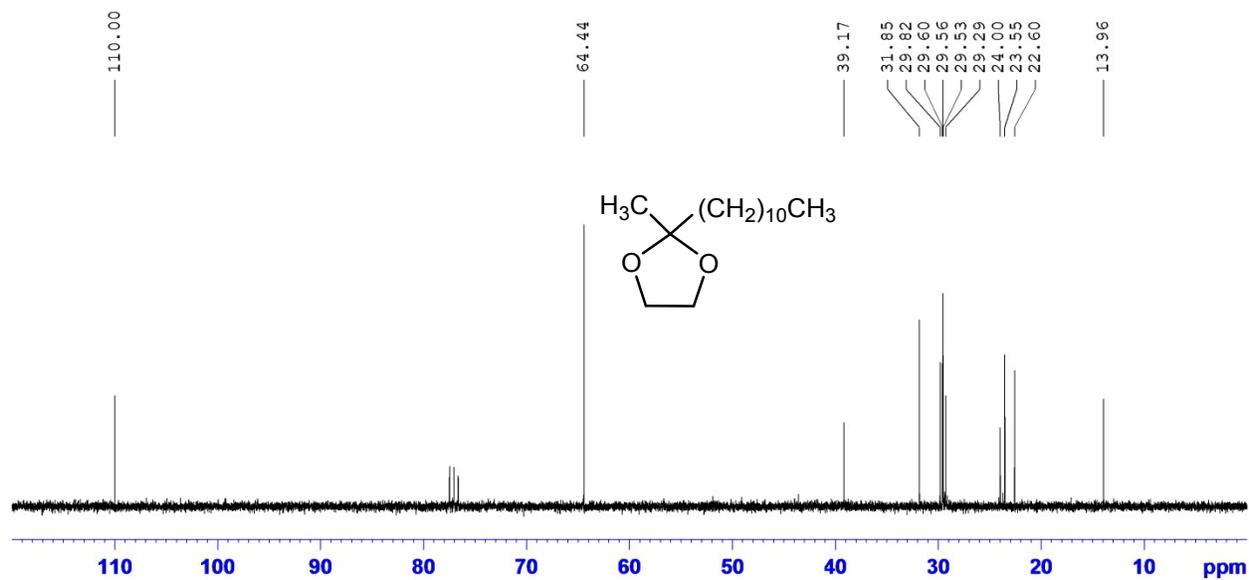


Figure S6. ^{13}C NMR spectrum of 2-methyl-2-undecyl-1,3-dioxolane (**3**)

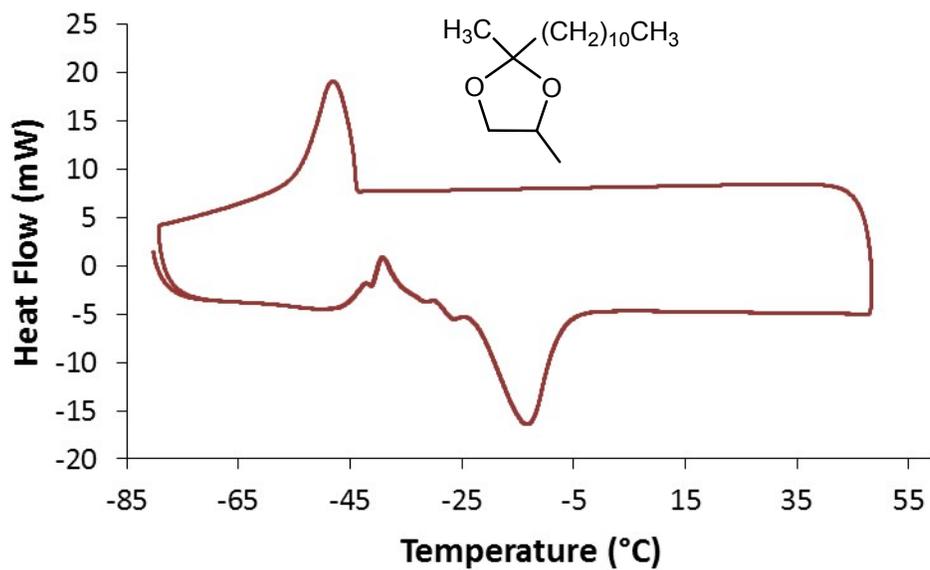


Figure S7. DSC data for 2,4-dimethyl-2-undecyl-1,3-dioxolane (2)

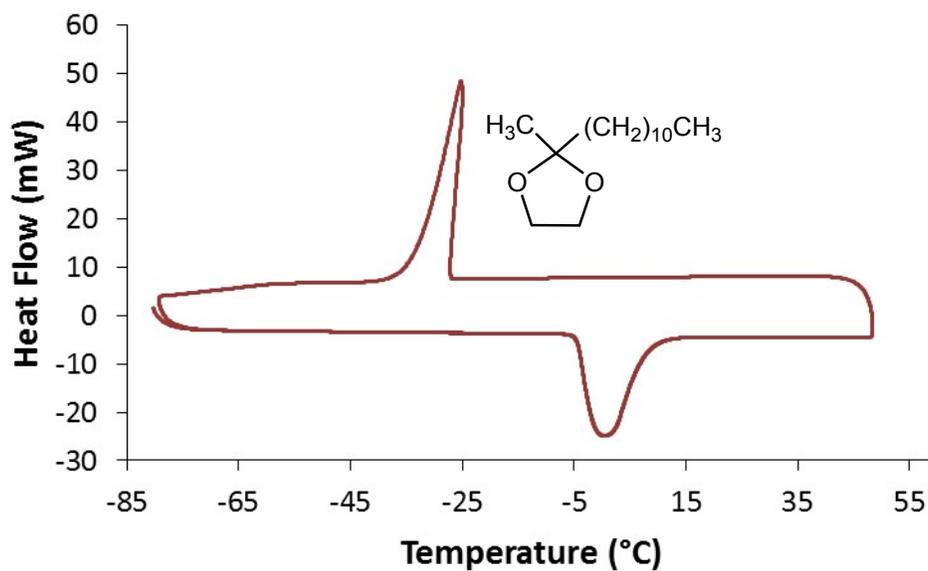


Figure S8. DSC data for 2-methyl-2-undecyl-1,3-dioxolane (3)