Supplementary Information

Mass Transfer Kinetics and Liquid-Liquid Equilibrium of DES-Aromatic-Aliphatic Ternary Systems With Accurate COSMO Model Predictions
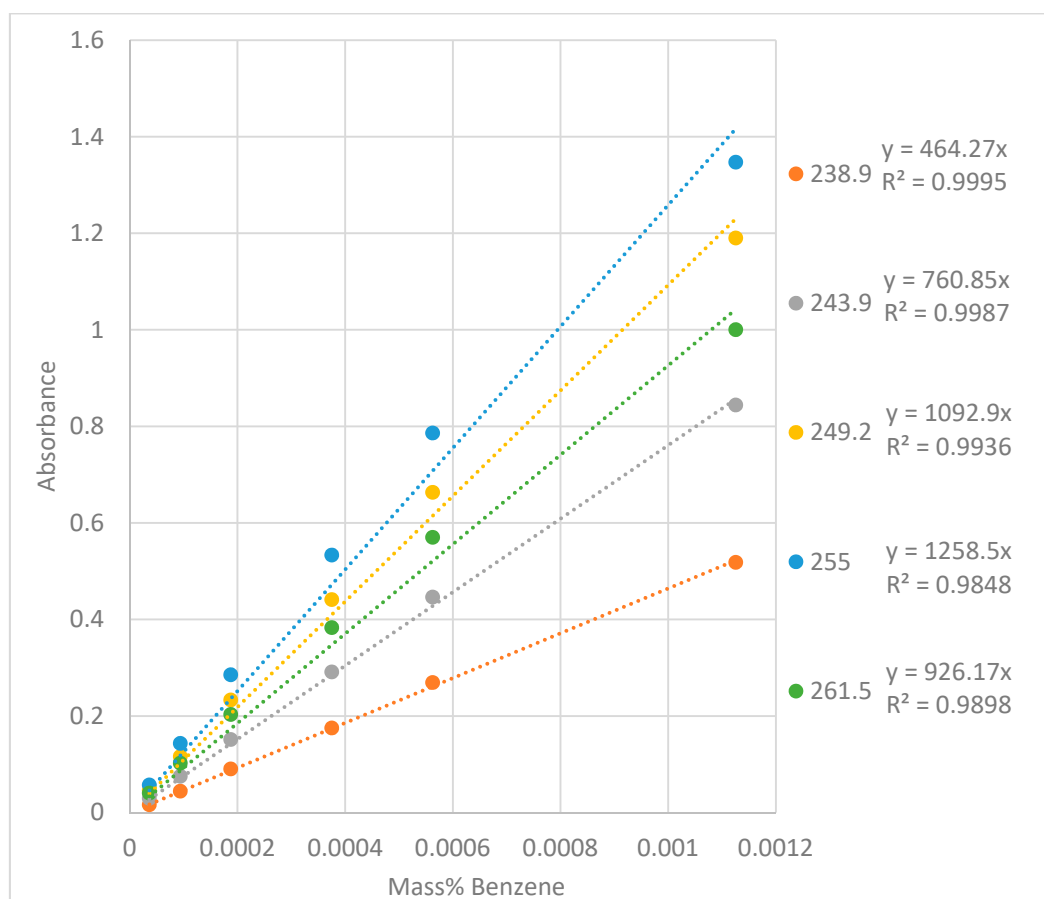

Figure S1. Beer-Lambert Relation for Benzene in Cyclohexane at Notable Absorbance Peaks
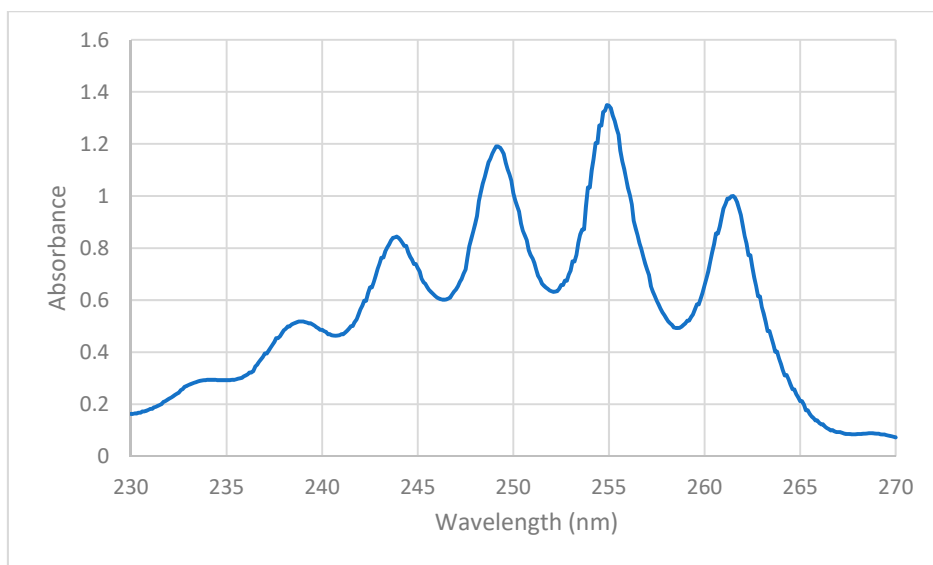
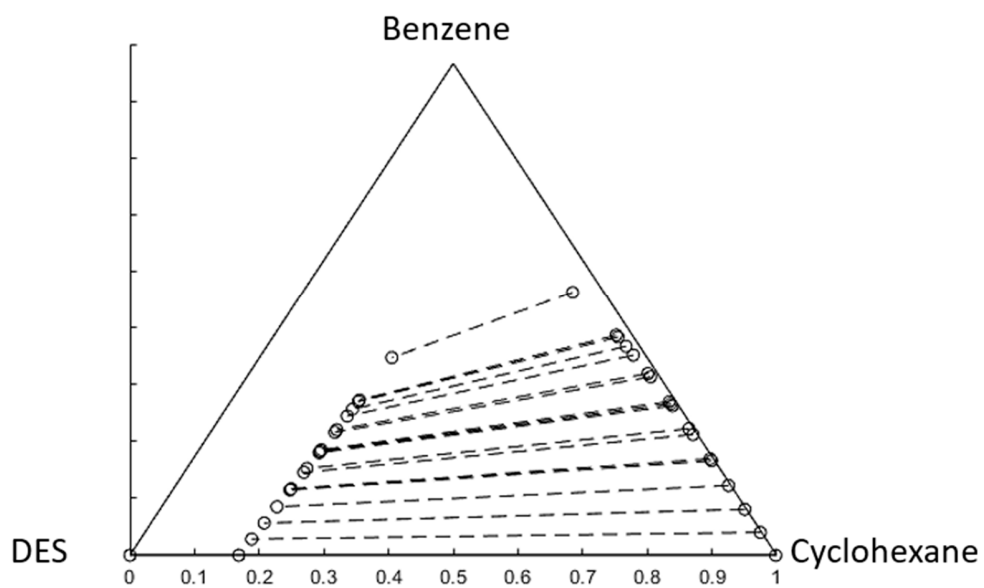*Figure S2. UV-Vis Spectra for Benzene in Cyclohexane*

Figure S3. Predicted LLE of $N_{6666}Br:EG$ (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
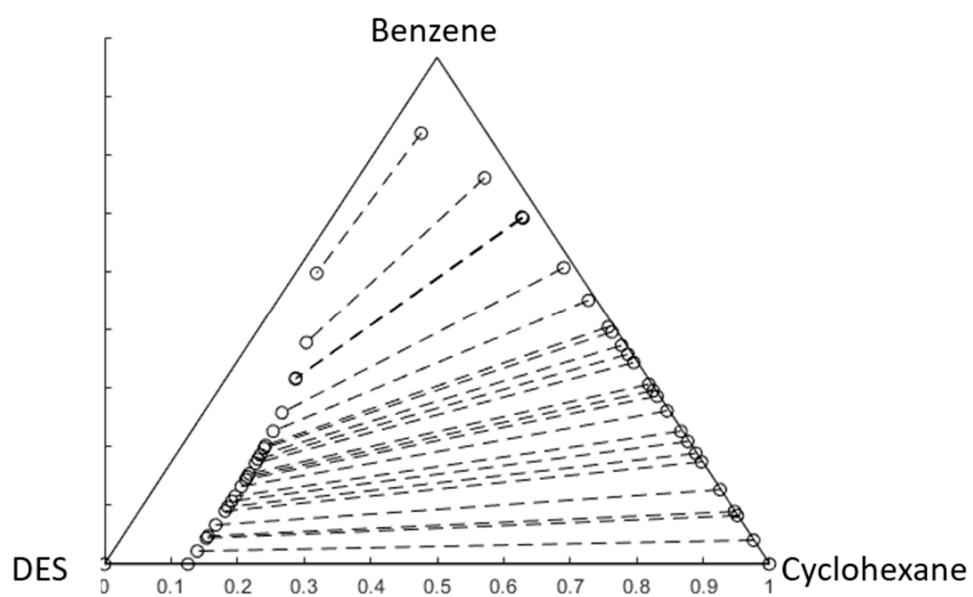
Figure S4. Predicted LLE of N$_{6666}$Br:Gly (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
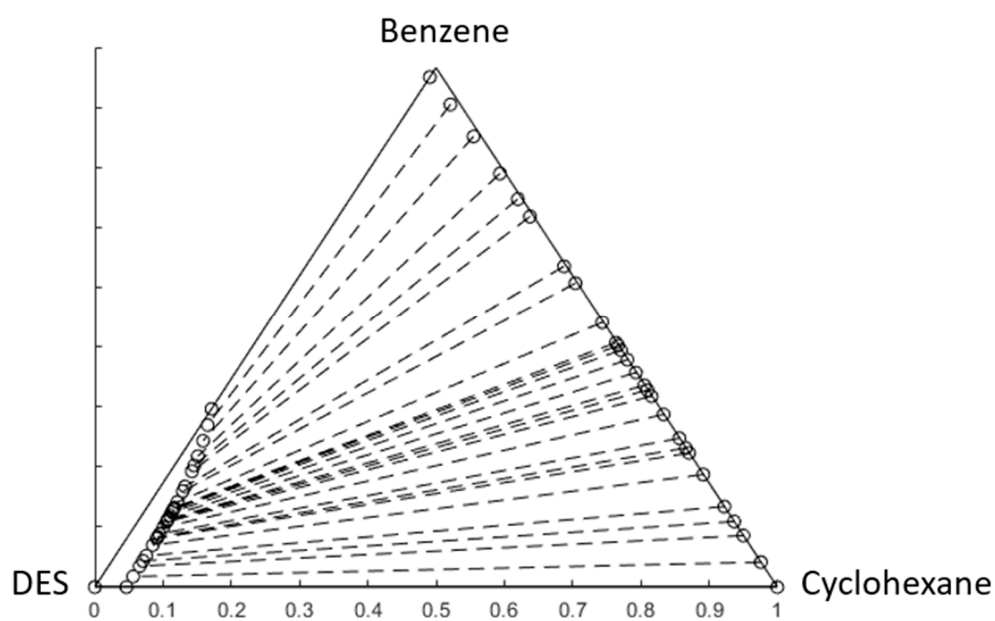

Figure S5. Predicted LLE of METPB:EG (1:3), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
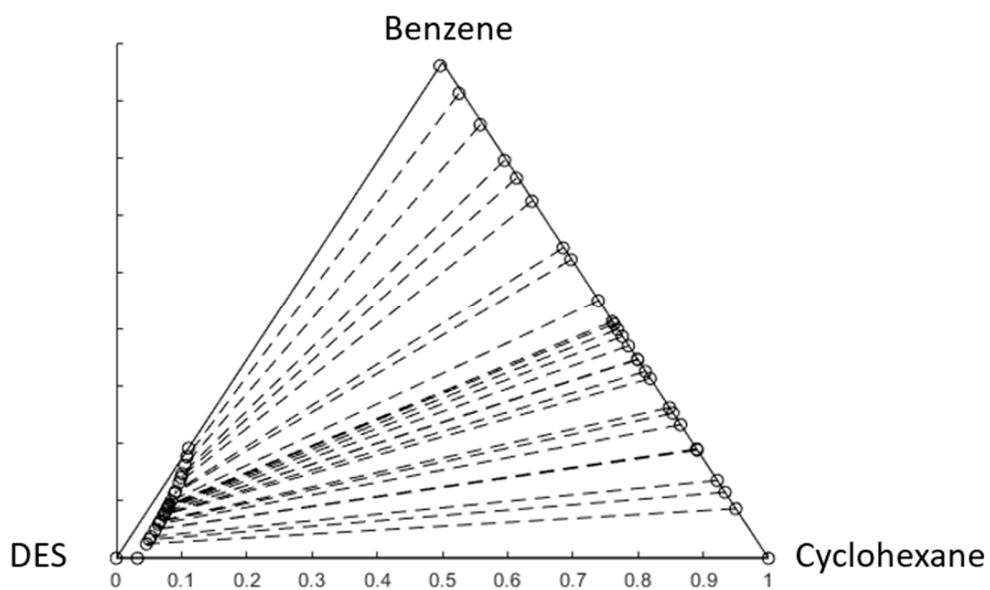
Figure S6. Predicted LLE of METPB:Gly (1:3), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
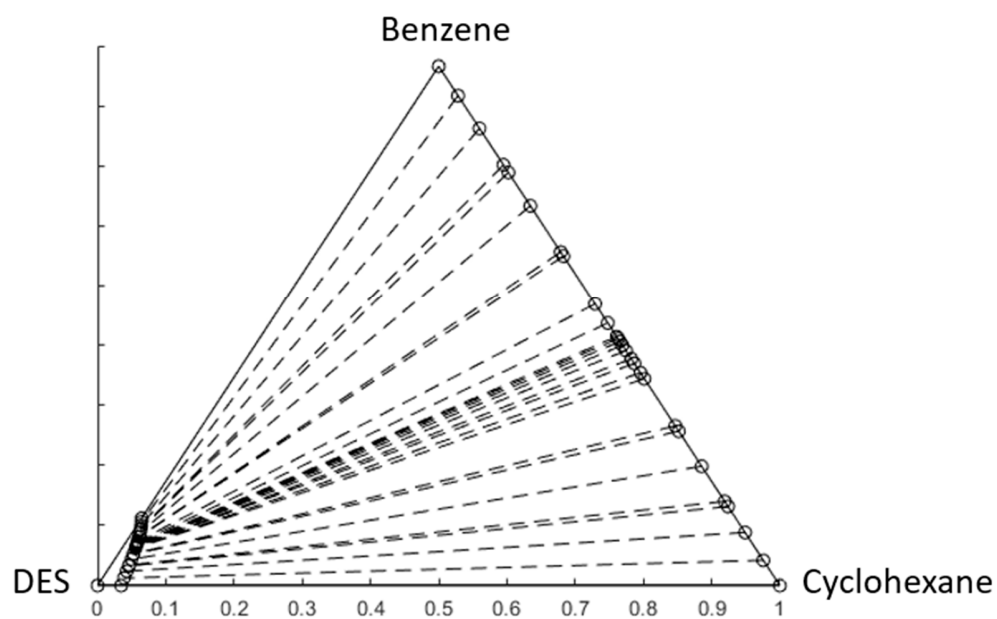

Figure S7. Predicted LLE of ChCl:EG (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
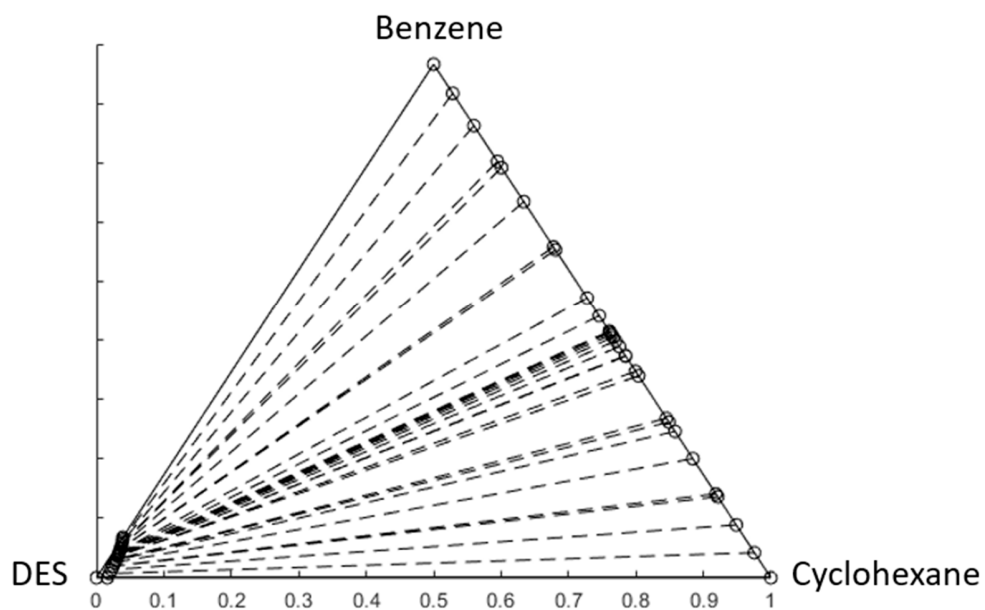
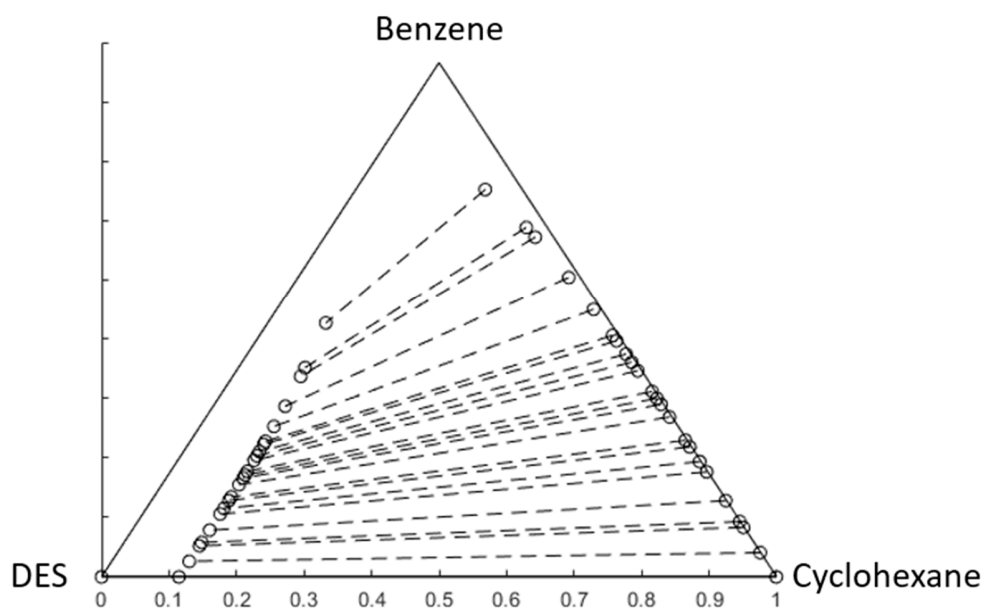*Figure S8. Predicted LLE of ChCl:Gly (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction*

Figure S9. Predicted LLE of N$_{4444}$Br:EG (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction
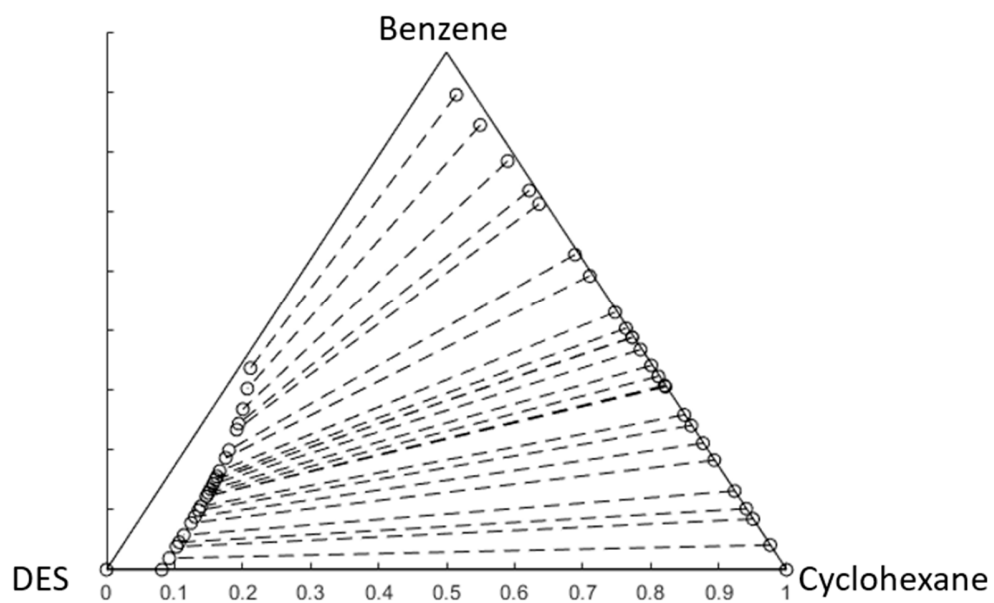
Figure S10. Predicted LLE of N$_{4444}$Br:Gly (1:2), Cyclohexane and Benzene at 25°C. Concentrations in Mass Fraction