



Green Bromination: Eliminated Br₂, CH₂Cl₂, and large amounts of NaS₂O_{3 (aa)} waste





Green Chemistry and Sustainability Efforts within the Chemistry Department at the University of Colorado Boulder





Green Diels-Alder: Eliminated energy intensive cyclopentadiene distillation & large amounts of water and energy to purify product



Recirculating chillers & vacuum pumps on rotary evaporators

Recycling of Lab Materials









Solvent Recycling – Acetone Data 2013-2019

Total Input	1,791 gallons	Disposed of hazardous of Left
Total Output	1,297 gallons	
Efficiency	72.4%	
Acetone Cost	\$14.9/gallon	
Savings	\$19,325	

Glove Recycling Pilot – GenChem Teaching Labs Estimated 100,000 gloves recycled per

semester while campus determines the best program to adopt.







