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Spent Caustic Treatment using Hydrophobic Room Temperatures Ionic Liquids

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Abstract

Two hydrophobic room temperature ionic liquid (IL), tetrahexylammonium dihexylsulfosuccinate (IL1) and trioctylmethylammonium salicylate (IL2), have been employed for the treatment of spent caustic (SC) wastewater by liquid-liquid extraction at room temperature and pressure. The concentrations of phenols, thiols and benzaldehyde were reduced to below their detection limits and the chemical oxygen demand (COD) levels were reduced from

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