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Title: Separation of hexavalent chromium from industrial effluent through liquid membrane using environmentally benign solvent: A study of experimental optimization through response surface methodology

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Research highlights

- Chromium, a hazardous and toxic heavy metal, has been extracted from wastewater
- Aliquat 336 mediated BLM and SLM technique has been employed for extraction
- Environmentally benign solvent, *viz.* sunflower oil, has been used as solvent
- ^1H NMR confirms no chemical shift in the liquid membrane composition
- Experimental optimization done through Response Surface Methodology

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