Efficient extraction of gold from water by liquid-liquid extraction or precipitation using hydrophobic ionic liquids.

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Supplementary Materials

Elemental analysis of precipitates obtained from precipitation experiments and isolated for a ratio ([AlkylGBOEt$^+$][Br$^-$])/Au) = 10

	% C		% H		% N	
	calculated	experimental	calculated	experimental	calculated	experimental
[EtGBOEt$^+$] [$AuCl_3Br^-$] H_2O	18.71	18.61	3.81	3.42	2.42	2.25
[PrGBOEt$^+$] [$AuCl_3Br^-$] 2 H_2O	27.75	28.04	4.91	4.50	2.02	1.76
[BuGBOEt$^+$] [$AuCl_3Br^-$] 2 H_2O	21.96	22.16	4.27	3.95	2.13	2.04