

Column 5	Purpose	Volume	Acid
2 mL of Eichrom Ln Spec 50-100 mesh resin			
	pre-clean	3 mL	6M HCl
	pre-clean	3 mL	SQ water
	pre-condition	0.5 mL	0.1M HCl
	pre-condition	0.5 mL	0.1M HCl
	load sample, rinse column	0.5 mL	0.1M HCl
	rinse column	0.2 mL	0.1M HCl
	elute Ce	3.5 mL	0.25M HCl
	elute Ce	3.5 mL	0.25M HCl
	elute and collect Nd	4.5 mL	0.3M HCl
	elute and collect Nd	2 mL	0.3M HCl
	post-clean, elute Sm	8 mL	6M HCl
	pass and store	1.4 mL	0.3M HCl

* Modified from Aciego et al. 2009