



METHOD STATEMENT

Spike Recoveries from Matrix Waters

Compound	Surface Water		Ground Water		Saline Water	
	Recovery	RSD	Recovery	RSD	Recovery	RSD
p-tert-Octylphenol	100.7%	3.62%	101.6%	3.59%	100.8%	3.46%
4-Nonylphenol (Tech)	100.1%	3.50%	100.5%	3.57%	100.7%	4.19%
4-n-Nonylphenol	99.5%	4.23%	99.4%	5.31%	99.0%	4.93%
4-Octylphenol Monoethoxylate	99.3%	4.20%	101.3%	4.69%	97.6%	4.46%
4-Octylphenol Diethoxylate	100.5%	4.98%	102.3%	5.34%	99.1%	4.26%
4-Octylphenol Triethoxylate	95.2%	5.54%	96.7%	5.17%	92.6%	7.37%
4-Nonylphenol Monoethoxylate	99.6%	5.24%	102.2%	6.07%	97.4%	5.18%
4-Nonylphenol Diethoxylate	100.2%	4.66%	101.2%	6.28%	99.0%	5.82%
4-Nonylphenol Triethoxylate	96.8%	7.27%	95.5%	7.01%	90.5%	8.07%

Uncertainty of Measurement:

Compound	Relative UoM (%)	Minimum UoM (µg/L)
p-tert-Octylphenol	16.20	0.00279
4-Nonylphenol (Tech)	12.53	0.0574
4-n-Nonylphenol	16.54	0.00579
4-Octylphenol Monoethoxylate	14.66	0.00368
4-Octylphenol Diethoxylate	17.93	0.00771
4-Octylphenol Triethoxylate	32.49	0.0133
4-Nonylphenol Monoethoxylate	21.31	0.0187
4-Nonylphenol Diethoxylate	20.90	0.0237
4-Nonylphenol Triethoxylate	31.82	0.0298

References:

In-house method