

IC Application Note No. O-21

Title: Six organic acids in a process water of the paper industry

Summary: Determination of glycolic acid, formic acid, glutaric acid, acetic acid, propionic acid and butyric acid in a process water of the paper industry using ion exclusion chromatography with suppressed conductivity detection.

Sample: Process water of the paper industry

Sample Preparation: Injection through H⁺ cartridge

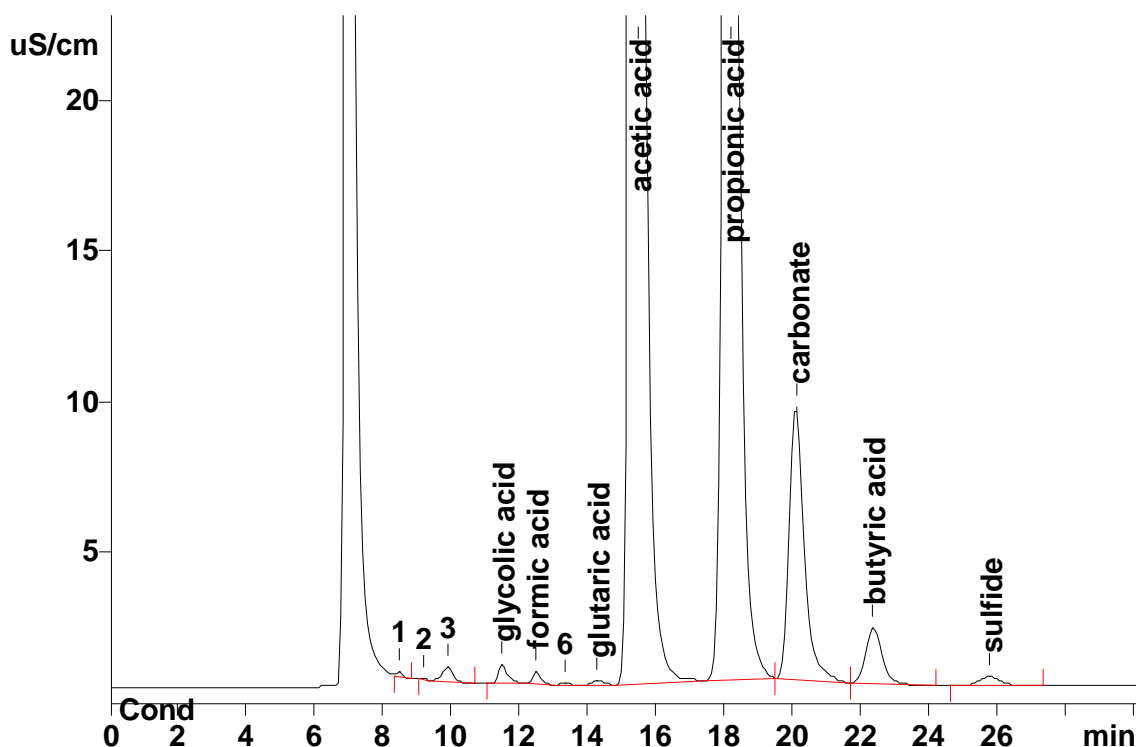
Column: 6.1005.200 Metrosep Organic Acids

Eluent: 0.5 mmol/L perchloric acid

Flow: 0.5 mL/min

Suppressor: MSM (10 mmol/L lithium chloride)

Injection Volume: 20 µL



Results:	Glycolic mg/L	Formic mg/L	Glutaric mg/L	Acetic mg/L	Propionic mg/L	Carbonic	Butyric mg/L	Sulfide
	3.35	0.99	0.96	723	533	n.q.	24.5	n.q.