

Luna (CN) Cyano

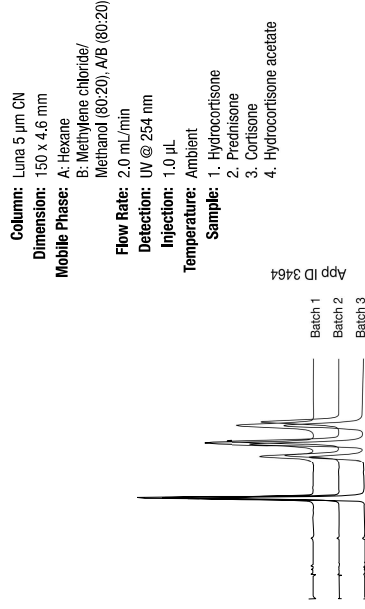
Proven Reproducibility

Luna® CN columns were developed to provide reproducible chromatography from run-to-run, column-to-column and batch-to-batch. Luna high-purity silica provides a ridged and dense column bed that allows for improved CN bonding techniques to make a stable CN phase.

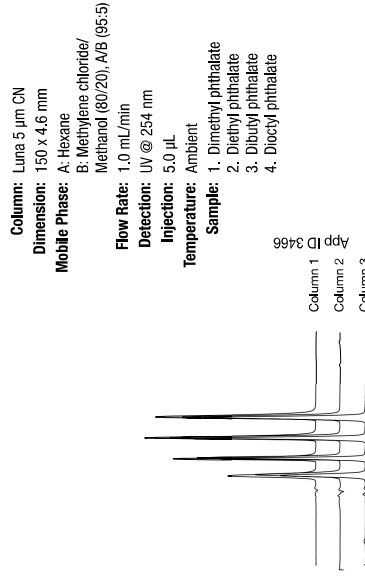
The result:

- One of the most stable CN columns under both reversed phase or normal phase conditions.
- Reproducible from run-to-run, column-to-column, batch-to-batch.
- pH stable from 1.5 to 7.0

BATCH-TO-BATCH REPRODUCIBILITY

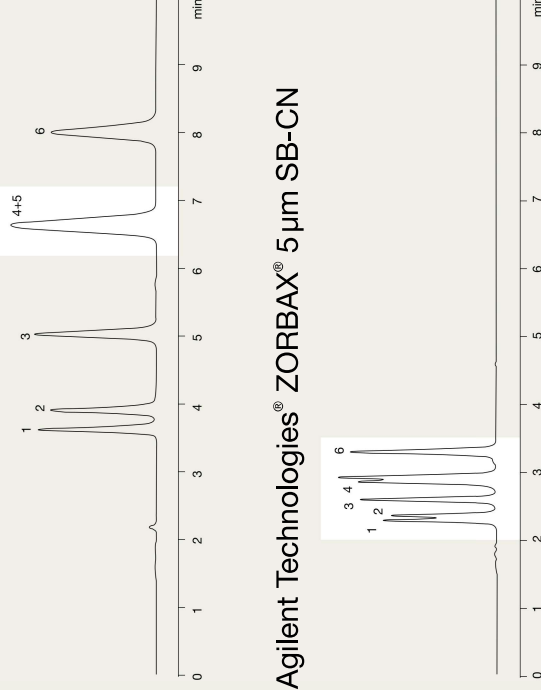


COLUMN-TO-COLUMN REPRODUCIBILITY

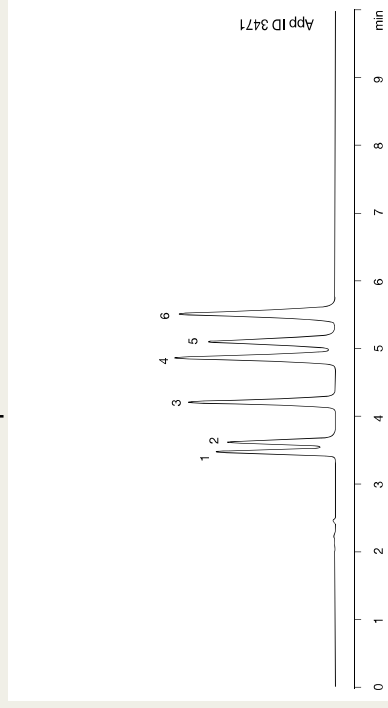


PHTHALATE ESTERS: A COMPARISON OF CN COLUMNS

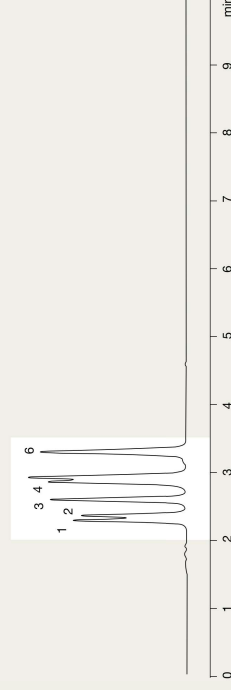
Waters® Spherisorb® 5 µm CN



Phenomenex Luna 5 µm CN



Agilent Technologies® ZORBAX® 5 µm SB-CN



Conditions same for all columns

Dimension: 150 x 4.6 mm

Mobile Phase: A: Hexane
 B: Methylene chloride/
 Methanol (80:20), A/B (99:1)

Flow Rate: 1.0 mL/min

Detection: UV @ 254 nm

Temperature: Ambient

Sample: 1. Di-n-octyl phthalate
 2. Bis (2-Ethylhexyl) phthalate
 3. Butylbenzyl phthalate
 4. Di-n-butyl phthalate
 5. Diethyl phthalate
 6. Dimethyl phthalate

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