

Application note # QAN-0023 revA

CHROMATOGRAMS

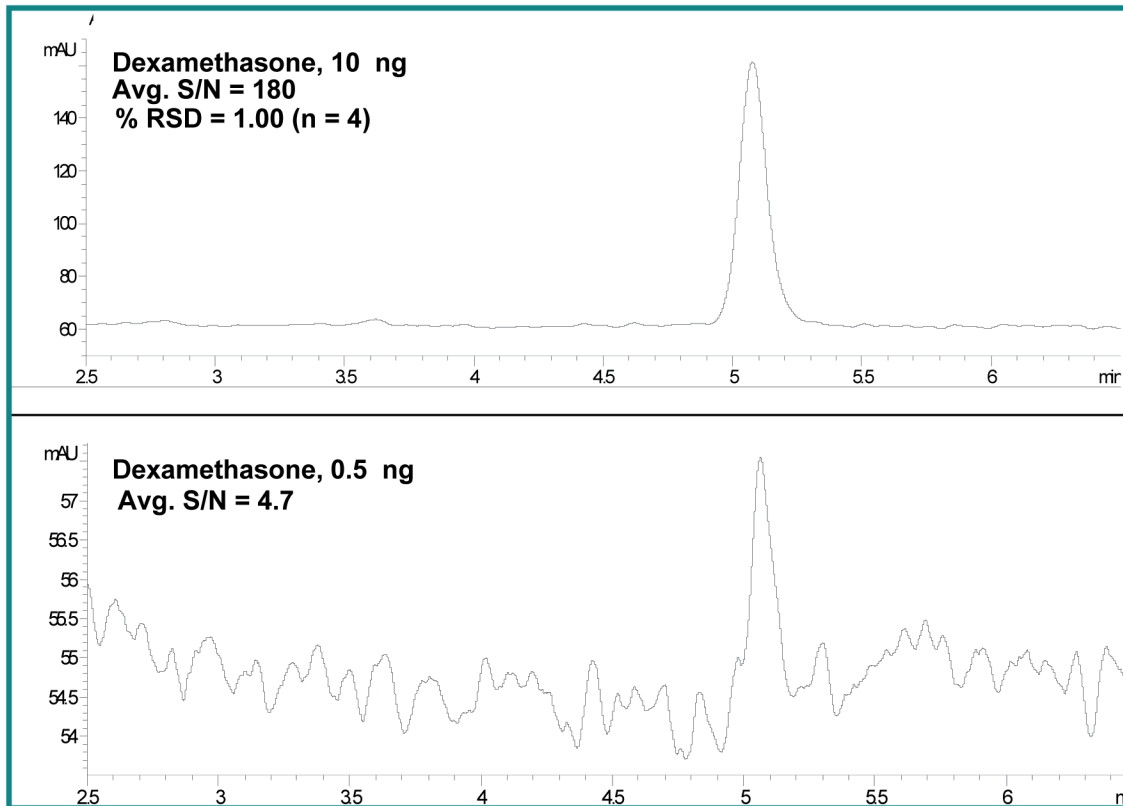
PARAMETERS

NQAD

GAS: Air
 FILTER: 5 sec
 GAIN: 2Kx
 EVAPORATION TEMP: OFF

HPLC

MOBILE PHASE: 55% Ultrapure ACN,
 45% Water
 FLOW RATE: 1.0 mL/min
 COLUMN: C18 Phenomenex Gemini
 5 u, 150 x 4.6 mm
 COLUMN TEMP: Ambient
 INJECTION VOLUME :10 uL
 ANALYTE: Dexamethasone



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NQAD technology is highly sensitive. Subnanogram sensitivity is possible. While it is important to have a clean HPLC system, clean solvents, and columns with low bleed to detect in subnanogram ranges, it can be done routinely. Detecting with subnanogram sensitivity allows the chromatographer to detect more sample components in a single run, without the need to overload the column.