

Application note # QAN-0048

## PARAMETERS

### NQAD

GAS: Air  
 FILTER: 0.6 sec  
 GAIN: 50x  
 EVAPORATION TEMP: Off

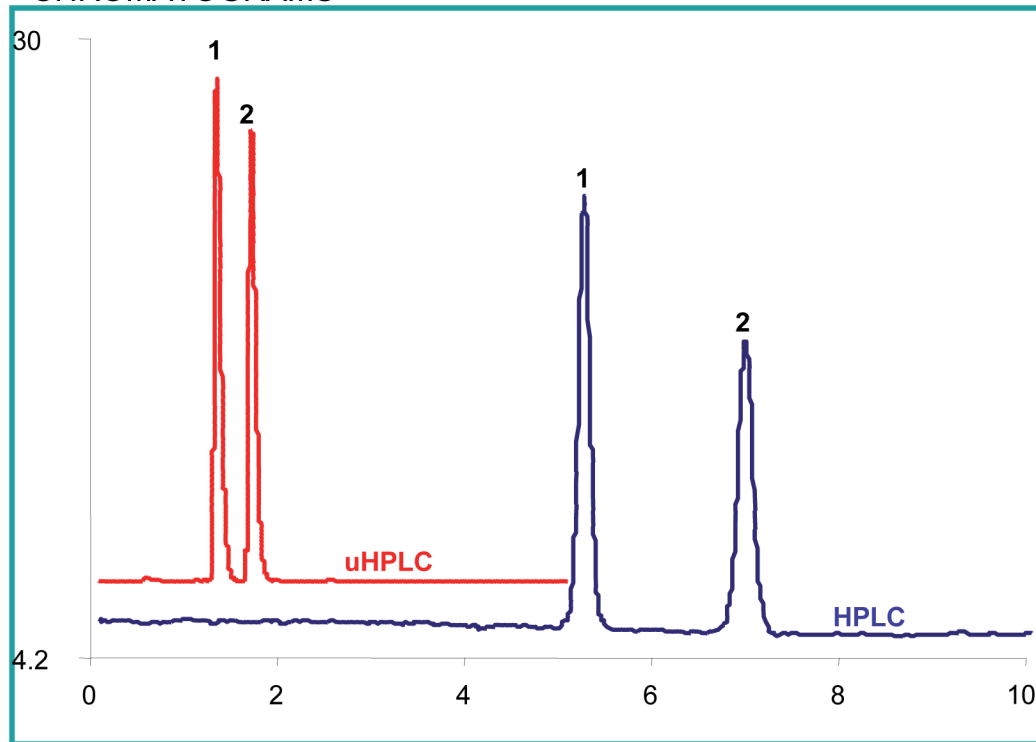
### HPLC

MOBILE PHASE: 40:60 Water:MeOH  
 FLOW RATE: 1.0 mL/min  
 COLUMN: Phenomenex Gemini 5 u, 150 x 4.6 mm C18 column  
 COLUMN TEMP: Ambient  
 INJECTION VOLUME : 1 µL  
 CONCENTRATION: 100 ng on column each

### uHPLC

FLOW RATE: 0.25 mL/min  
 COLUMN: Grace Vision HT C18, 1.5 u, 2.0 x 50 mm  
 COLUMN TEMP: Ambient  
 INJECTION VOLUME : 1 µL  
 CONCENTRATION: 100 ng on column each

## CHROMATOGRAMS



1= hydrocortisone, 2 = dexamethasone

NQAD model QT-500 is UHPLC compatible, offering a sample rate of 50 Hz and minimal peak tailing/band broadening. NQAD models QT-600 and QT-700 have further UHPLC optimization with a sample rate of 100 Hz and a minimal liquid path length inside the detector, virtually eliminating peak tailing and band broadening. UHPLC compatibility means decreased sample analysis time and overall increased productivity



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