

Application Data Sheet

No. 39K

System Gas Chromatograph

Nitrous Oxide (N₂O) Released from Soil Analyzer Nexis GC-2030 N₂O1 / GC-2014 N₂O1

이 분석법은 Porapak-Q 및 Porapak-N 충진 컬럼을 사용하여 전자 포획 검출기(ECD)가 장착된 가스 크로마토그래피(GC)를 이용하여 토양에서 방출된 아산화질소(N_2O)를 측정한다. 이 시스템에는 LabSolutions GC workstation 소프트웨어가 포함되어 있다.

분석 정보

시스템 구성:

2개 밸브 / ECD 와 3개 충진 컬럼

샘플 정보:

온실가스와 토양가스의 N₂O

농도 범위 :

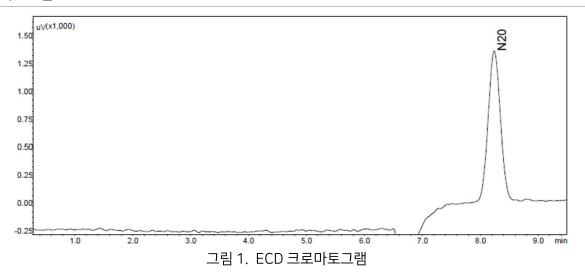
번호	물질명	농도 범위	
		저농도	고농도
1	N ₂ O	50 ppb	200 ppm

^{* *}시료에 따라 검출한계는 달라질 수 있음.

시스템 특징

- · 온실가스와 토양가스를 9분 내에 분석 가능
- · ppb 수준의 N₂O에 대한 ECD 고감도 검출기가 있는 단일 채널
- · 농업 연구에 유용한 정보
- · 선형 검량선

크로마토그램



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