

GBPI

GC – 9802 | CROMATÓGRAFO DE GAS

Index of detectors

	Thermal conductivity detector (TCD)	Flame ionization detector (FID)	Electron capture detector (ECD)	Flame photometric detector (FPD)
Sensitivity (limit of detection)	$\geq 3000 \text{mv.mL/mg}$ (benzene)	$\leq 1 \times 10^{-11} \text{g/s}$ (hexadecane)	$1 \times 10^{-13} \text{g/ml}$ (γ -666)	$5 \times 10^{-12} \text{g/s(P)}$ $5 \times 10^{-11} \text{g/s(S)}$
Baseline noise	$\leq 10 \mu\text{V}$	$\leq 1 \times 10^{-13} \text{A}$	$\leq 40 \mu\text{V}$	$\leq 40 \mu\text{V}$
Baseline shift	$\leq 60 \mu\text{V} / 30 \text{min}$	$\leq 6 \times 10^{-13} \text{A} / 30 \text{min}$	$\leq 100 \mu\text{V} / 30 \text{min}$	$\leq 100 \mu\text{V} / 30 \text{min}$
Linearity range	10 ⁵	10 ⁷	10 ⁴	10 ⁴
Settling time	$\leq 2 \text{h}$	$\leq 1 \text{h}$	$\leq 2 \text{h}$	$\leq 1 \text{h}$