

Hydrocarbons Indicator

Performance Specification

To determine the sensitivity of the hydrocarbon indicator, a solution/mixture of 10% solvent in water was bubbled with ambient air at a flow rate of 5cc/min. The airflow was passed through the breakthrough detector until a color change was observed. The elapsed time to observe the first noticeable and the final colors for the respective organic solvent is depicted in the table below.

Solvent (10% in Water)	Response Time	
	First Noticeable Color (min)	Final Color (min)
Benzene	4	43
Chloroform	2	8
Gasoline	14	60
Hexane	10	30
Methylene Chloride	2	8
Naphtha	10	30
Xylenes	18	39



Unexposed



Exposed

Colors are approximate depending on the specific chemical