LAB REPORT: GAS CHROMATOGRAPHY (FID/ECD)

1. Title

Gas Chromatographic Analysis Using Flame Ionization and Electron Capture Detection

2. Objective

To separate and quantify volatile organic compounds using gas chromatography coupled with flame

3. Introduction

Gas Chromatography (GC) is a powerful analytical technique used to separate, identify, and quantif

6. Results

Representative GC Results (FID & ECD)

Retention Time (min)	Compound	Detector	Peak Area (AU)
2.5	Methanol	FID	1250
5.8	Chloroform	ECD	980
9.2	Toluene	FID	1650
12.7	PCB-28	ECD	760