LXP. No. 169 Experiments	CHEM438 (G	CHEM438 (GCH)		1
Name Abdul Fayerd	Lab Partner		Locker/ Desk No.	Course & O21L Section No.
PREVARE Question  Str  W.  W.  Resolution means the separate the two sym  Left shoved poor re  to the peaks on the  Resolution = Othe  Resolution = Othe  Separation between and war is the avera  two peaks: With	ice ability to als. Peak on the solution as apposed hight.  Atriste  peaks in unit of time, age width as the	peaks with temper to elule the retain of the peaks with temper time decreases, get close of the peaks	Il cave out e erative cau the tolumn is experime. The peaks	ses the solute  faster, decreas  ected to degrade  As the retention the temperature  will start to
	rene			
	ra-xylere			
- Ethyl benzere and pain must difficult to re they have very similar (only differ by 2.2°	solve because			
Signature Signature	Date \\8/2014	Witness/TA		Date

Exp. No. q Experiment/Subje	CHEMY38 (GCH)	Date 11/8/2021	31
Name Abdul Fayeed.	Lab Partner	Locker/ Desk No.	Course & 62/ L Section No.
Objectives			
The purpose of this expeni	ment is to		
separate mixtures of vo	10010 (200,000,10)		
and quantitate the com	telle composito		
producerpose of the sold of	Charmon at		
hydrocarbons in the mixture	d'a Chart la board		
chromosography at two	THEORY SENDANG		
Introduction			
	rised to reparate		
Gos Chromatography is mixtures of whate comp	ounds. Voldtite		
compounds one in equi	showing You ha		
ways and stationers of	are a the		
mobile and Stationary pho	ages as they		
the earn library courtain	at The rote trop		
time is directly related	to the equilibrium		
constant. For the experimen	it, a set of moture		
will be analyzed at a con	stant temperature		
at two different tempere	itues.		
Procedure			
	10		
Performisothermal sepe	anation of		
mixture at 80°C and 120			
Gas mobile phase used is	142		
P	of curtains to		
Run the pure compounds	of Acousais		
tolvery, ethyl benzery	para-xylere and		
offho-xylere in the GO	at T=80°C.		
Run the mixture of the	compounds at		
both temperature.			
Repore small vials with	samples before		
running in the GC.			
Record and print out the	Chromatograms!		
Conclusion			
Gas dumatography can be	went o quantitate		
the compounds in a mixture	we cind to rebarate		
themin the column based			
time only for volable com			

Date

11/8/2021

Witness/TA

Signature

Date