



CHROMATOGRAPHY PROBLEMS

- 1) A mixture of pentanal and pentan-1-ol were separating by column chromatography using a silica powder with cyclohexane as eluent. Which substance will have the shortest retention time? Explain your answer.

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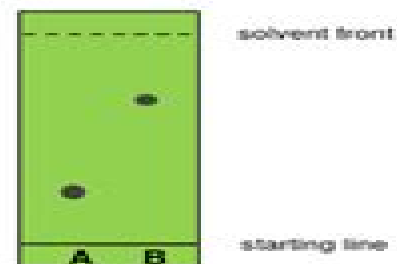
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- 2) The following TLC chromatogram was produced under a UV lamp.

- a) Calculate the R_f values for substances A and B.



- b) The plate was coated in silica powder and the solvent used was hexane. One substance was phenylamine and the other substance was tetrachloromethane. Which substance is likely to be which? Explain your answer.

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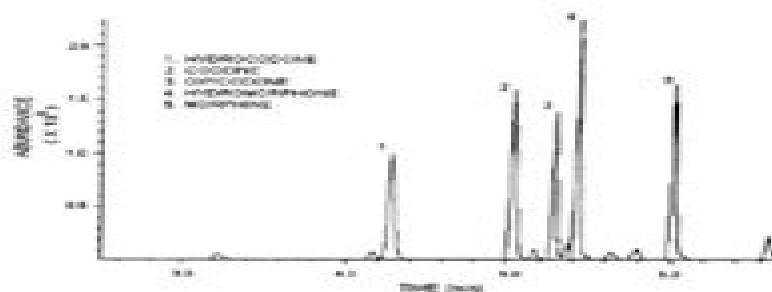
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- 3) A mixture of opiates found in a sample of urine was analysed by gas chromatography.

- a) Which opiate had the longest retention time?

- b) Explain why this substance had the longest retention time.



Chromatography Problems Chemsheets

CA. Cramers



Chromatography Problems Chemsheets:

This book delves into Chromatography Problems Chemsheets. Chromatography Problems Chemsheets is a vital topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Chromatography Problems Chemsheets, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Chromatography Problems Chemsheets
 - Chapter 2: Essential Elements of Chromatography Problems Chemsheets
 - Chapter 3: Chromatography Problems Chemsheets in Everyday Life
 - Chapter 4: Chromatography Problems Chemsheets in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, this book will provide an overview of Chromatography Problems Chemsheets. This chapter will explore what Chromatography Problems Chemsheets is, why Chromatography Problems Chemsheets is vital, and how to effectively learn about Chromatography Problems Chemsheets.
3. In chapter 2, this book will delve into the foundational concepts of Chromatography Problems Chemsheets. This chapter will elucidate the essential principles that must be understood to grasp Chromatography Problems Chemsheets in its entirety.
4. In chapter 3, the author will examine the practical applications of Chromatography Problems Chemsheets in daily life. The third chapter will showcase real-world examples of how Chromatography Problems Chemsheets can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Chromatography Problems Chemsheets in specific contexts. The fourth chapter will explore how Chromatography Problems Chemsheets is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Chromatography Problems Chemsheets. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Chromatography Problems Chemsheets.

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