**Chromatographic Analysis of a Mixture of Volatile Liquids**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Course\_\_\_\_\_\_Section\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_

A. Qualitative Analysis

|  |  |  |  |
| --- | --- | --- | --- |
|  | Retention Time | Peak Height | Response Factor |
| t-butyl alcohol |  |  |  |
| ethyl alcohol |  |  |  |
| n-propyl |  |  |  |
| n-butyl |  |  |  |
| iso-amyl |  |  |  |
| iso-butyl |  |  |  |

B. Standard Curve

|  |  |
| --- | --- |
| Volume of n-propyl (μL) | Peak Height |
| 25 |  |
| 50 |  |
| 75 |  |
| 100 |  |

C. Quantitative Analysis

|  |  |  |
| --- | --- | --- |
| Component | Peak Height | Concentration (μL/5 mL) |
| n-butyl alcohol |  |  |
| n-propyl alcohol |  |  |
|  |  |  |
|  |  |  |