**Expt 5 results**

**Monday**

**t-BuOH expt:**

nD: 1.4044 (?°), 1.4092 (23.5°), 1.3897 (23.4°), 1.4091 (23.1°), 1.4091 (23.1°), 1.4169 (22.2°), 1.3252 (22.2°), 1.3784 (?°), 1.3556 (23.1°), 1.3434 (22.8°) (several of these readings are clearly incorrect!)

NMR: “H1 pf, ms, tp monday tert-butyl-1.jdf”

**n-BuOH expt:**

GC peak areas

|  |  |
| --- | --- |
| n-BuCl  | n-Bu Br |
| 96382 | 654808 |
| 147635 | 824601 |
| 74582 | 651151 |

NMR: “Group 8 Monday Experiment 5 Proton NMR-1.jdf”

**s-BuOH expt:**

GC peak areas – These samples were stored for 24 h at room temp before injection.

|  |  |
| --- | --- |
| s-BuCl  | s-Bu Br |
| 500331 | 497350 |
| 501089 | 1159728 |

NMR: “J.A.M. Monday Lab experiment 5-1.jdf” or “KB BK JA Lab5 2-butanol nmr-1.jdf”

**Tuesday**

**t-BuOH expt:**

nD 1.3300 (22.9°), 1.4052 (24.1°) (one of these readings is clearly incorrect)

NMR: “tertbutyl666-1.jdf” or “group2tuesdayexp5-1.jdf”

**n-BuOH expt:**

GC peak areas

|  |  |
| --- | --- |
| n-BuCl  | n-Bu Br |
| 65254 | 475761 |
| 135063 | 619267 |

NMR: “section2\_AB PD 1-butanolsample-1.jdf”

**s-BuOH expt:**

GC peak areas

|  |  |
| --- | --- |
| s-BuCl  | s-Bu Br |
| 280280 | 1097490 |
| 189348 | 760444 |

NMR: “section2\_LH KV RS 2-butanolsample-1.jdf” or “section2\_AB PD 1-butanolsample-1.jdf”

**Thursday**

**t-BuOH expt:**

nD no successful measurements

NMR: “H1lab5group5BAP-1.jdf”

**n-BuOH expt:**

GC peak areas

|  |  |
| --- | --- |
| n-BuCl  | n-Bu Br |
| 91400 | 848088 |
| 173409 | 1589129 |
| 142075 | 1062317 |

NMR: “G3S3 Experiment 5-1 Proton NMR-1.jdf” or “1HProtonNMRQueens1-but-1.jdf”

**s-BuOH expt:**

GC peak areas

|  |  |
| --- | --- |
| s-BuCl  | s-Bu Br |
| 64486 | 547838 |
| 290739 | 618889 |

NMR: “1HProtonNMRAces-secbutylEXP5-1.jdf”