Separation Scheme

Showing where all components go in the isolation phase of experiment.

- Starts at 1st point of Separation
- Should list all components in Reaction at that point

Starting Materials

Solvents Et_2O

Side products
Product

$6\underline{M}\ HCl$

org | aq | gas
$Et_2O\ \ H_2O$ | H_2O | $H_{2(g)}$
 | HCl |
 | $Mg^{2+}X_2$ |
 | Br^- |
 | Et_2O |

Sat NaCl$_{(aq)}$

Org ⎞ ⎛ aq
Et$_2$O   Small H$_2$O   H$_2$O
NaCl
Et$_2$O

MgSO$_4$

liquid ⎞ ⎛ Solid
Et$_2$O   MgSO$_4 \cdot 7 H_2O$ (s)

Δ (Heat ⟹ Rotovap step)

Solid ⎞ ⎛ gas
Et$_2$O

petroleum ether
$C_5 - C_7$ isomers

Solid ———————————————————— liquid

petroleum ether

Impurities

iproH (2-propanol)

Solid ———————————————————— liquid

2-propanol
impurities