



METHODES PHYSIQUES D'ANALYSE

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REVOIR ATTENTIVEMENT LE CORRECTION DES DEUX TP:

- **BOUILLIE BORDELAISE**
- **SALINITE DES OCEANS**

PREMIERE PARTIE: CONDUCTIMETRIE

1) La conductance

$$G = \frac{1}{R}$$

G : conductance (S)
 R : résistance (Ω)

2) La conductivité

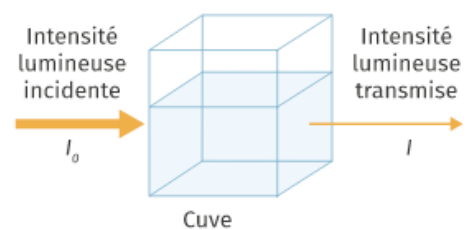
$$\sigma = G \cdot \frac{l}{S}$$

Loi de KOHLRAUSCH:

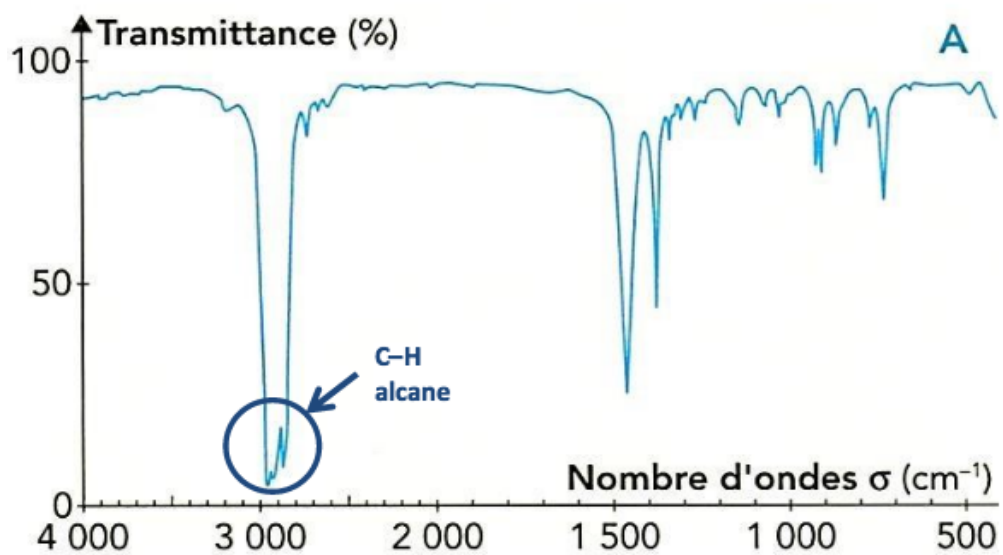
$$\sigma = \lambda_1 \cdot [X_1] + \lambda_2 \cdot [X_2] + \dots + \lambda_n \cdot [X_n]$$
$$\sigma = \sum_{i=1}^n \lambda_i \cdot [X_i]$$

DEUXIEME PARTIE: SPECTROSCOPIE UV-VISIBLE

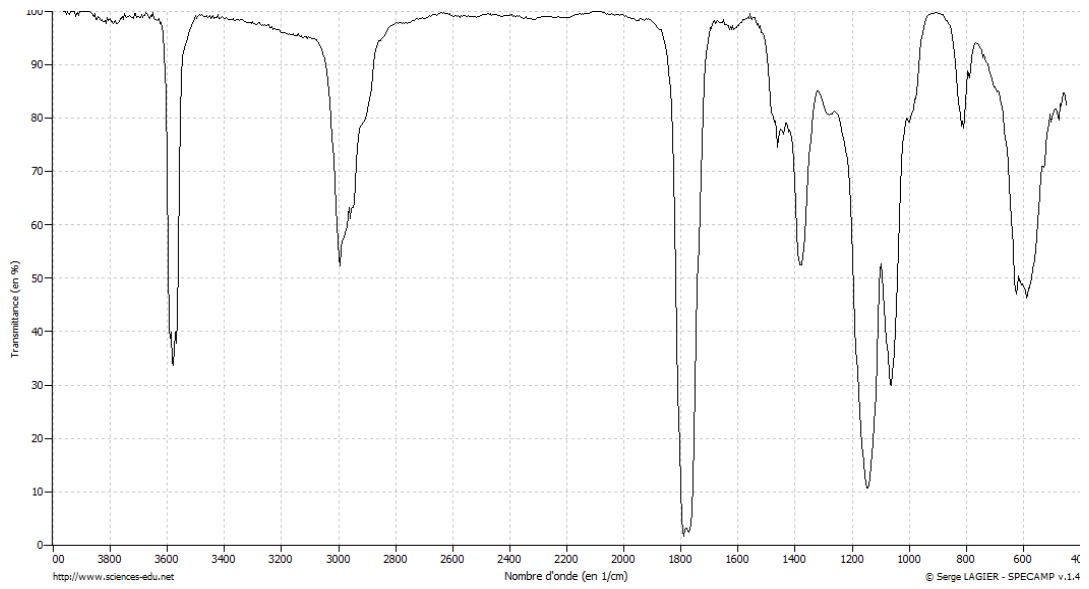
1) Mesure de l' absorbance:



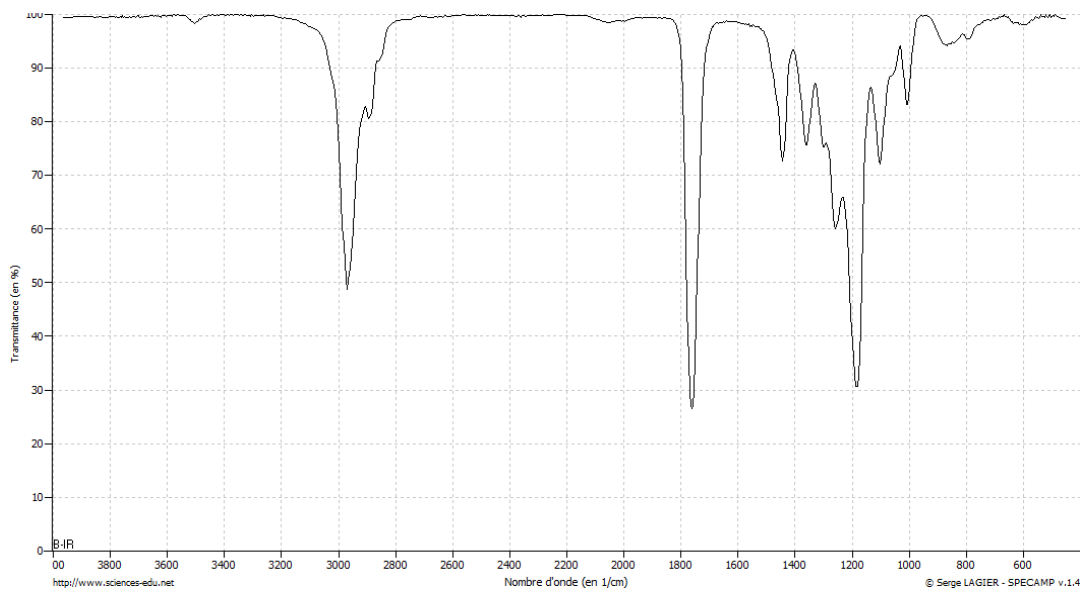
2) Analyse de spectres infrarouges
(voir sur le site la table d'absorption caractéristique des liaisons)



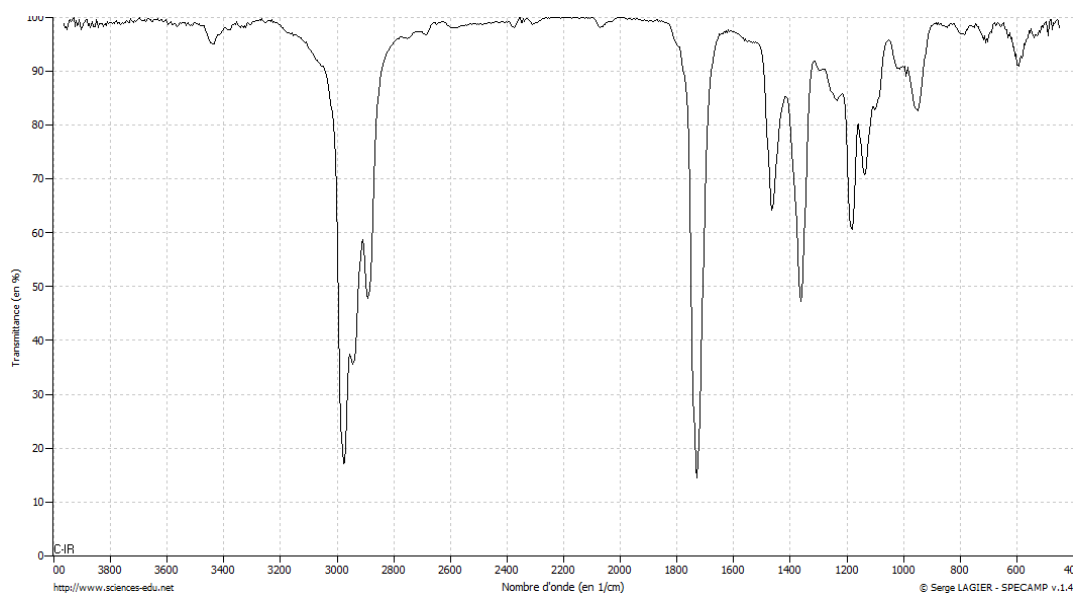
LE PENTANE



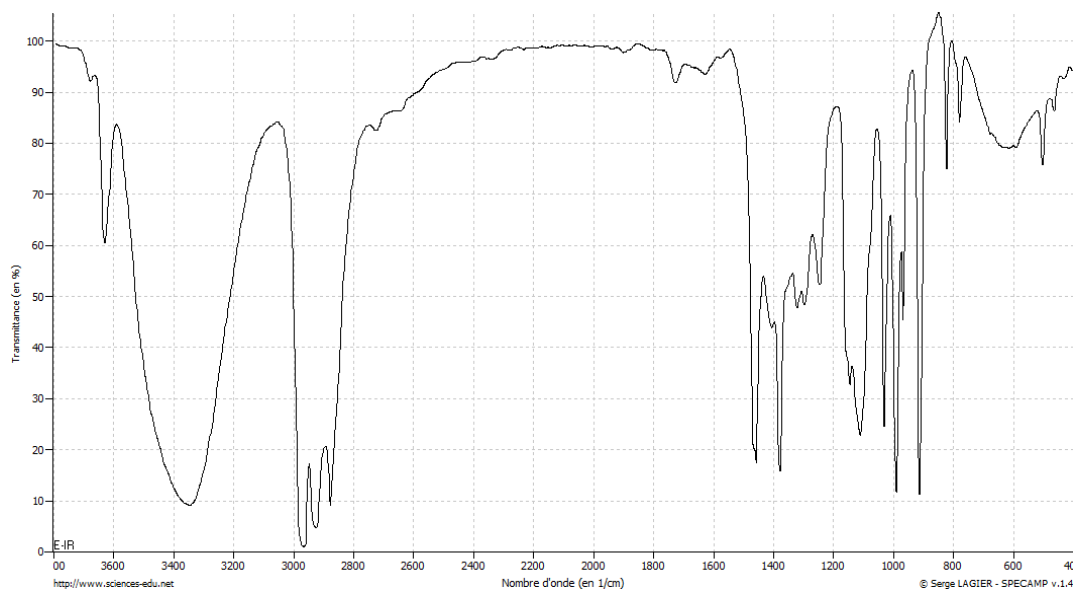
ACIDE PROPANOIQUE



BUTANOATE DE METHYLE



3-METHYLPENTAN-2-ONE



BUTAN-2-OL (LIQUIDE)