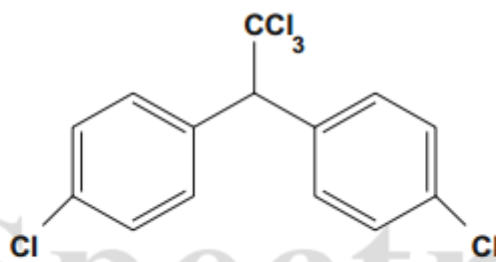


## Determination of DDT by C18 RP-HPLC

**Instrument:** [Waters Alliance e2695 HPLC system](#)

A method is described for the determination of DDT by C18 reversed phase HPLC with UV detection. Sensitivity of the method is at the sub-ppm level with the retention time for DDT being approximately 5 minutes.



### Conditions

Column: Spherisorb S5 ODS2,  
250 x 4.6 mm ID  
Mobile Phase: Water/Acetonitrile (10:90)  
Flow Rate: 1.0 ml/min  
Temperature: 30°C  
Detection: UV at 254 nm  
Injection Vol: 20 µl  
Standard Conc.: 500 µg/ml

### References:

1. R.D.O'Brien, 'Insecticide - Action and Metabolism', N.Y., Academic Press, 1967.
  2. L.J.Mullins, Science, 122, (1955), 118.
  - 3 'Report of the Secretary's Commission on Pesticides and Their Relationship to Environmental Health', U.S. Department of Health, Education and Welfare, Washington D.C., U.S. Government Printing Office, 1969.
  4. Haller, J. Am. Chem. Soc., 67, (1945), 1591
- [http://www.gbcsscientific.com/appnotes/HPLC\\_app\\_note\\_001.pdf](http://www.gbcsscientific.com/appnotes/HPLC_app_note_001.pdf)