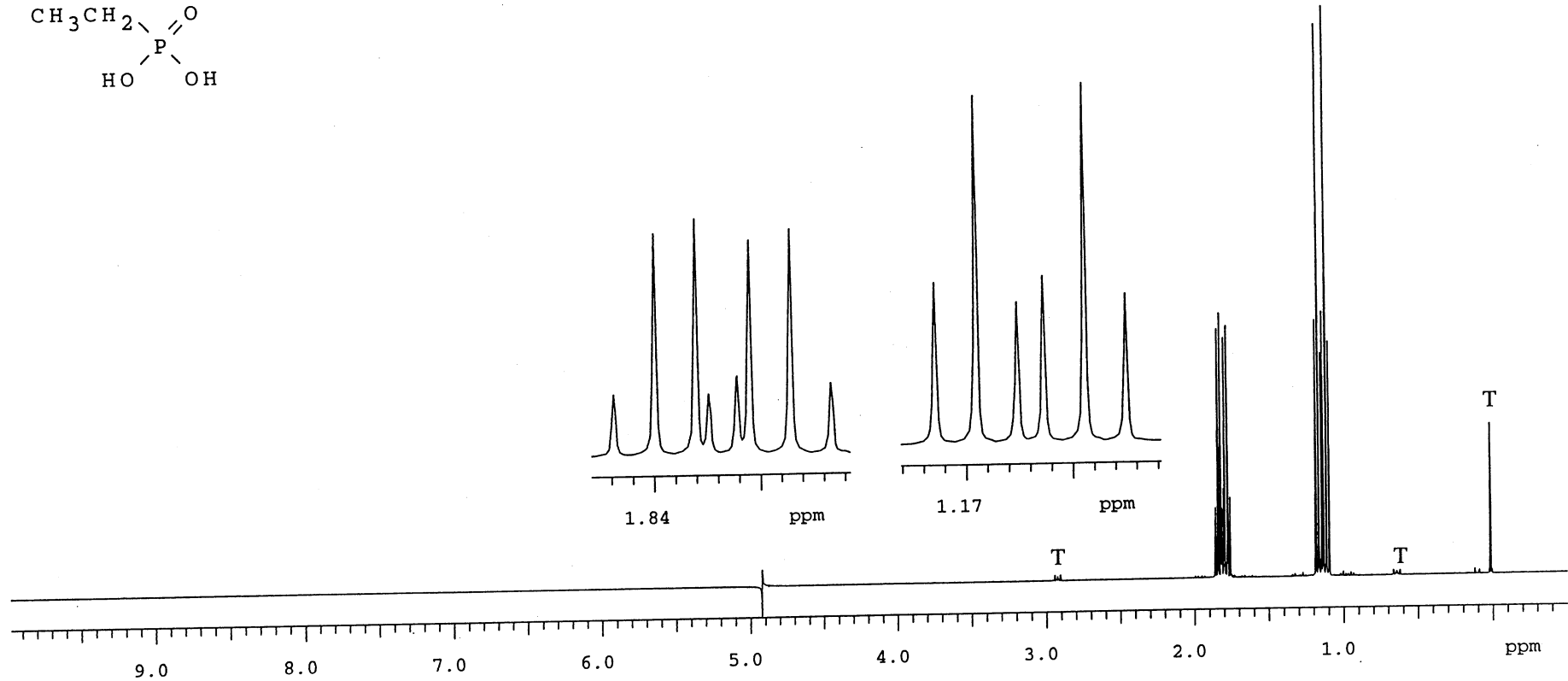
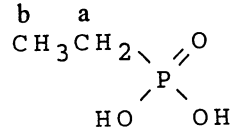


<sup>1</sup>H NMR

**Ethylphosphonic acid**

[6779-09-5]



Solvent: D<sub>2</sub>O; pH 0.6  
Concentration: 11.0 mg/ 0.74 ml  
Reference substance: TSPSA  
Sample temperature: 26.0 °C  
Resonance frequency: 400.132 MHz  
Spectral width: 4504.5 Hz  
Data points (FID; spec.): 64 k; 64 k

Flip angle; Pulse width: 45 °; 6.5 μs  
No. of scans; Rep. time: 32; 7.3 s  
Weighting; Line broad.: exp.; 0.1 Hz  
Spectral resolution: 0.4 Hz (TSPSA)  
Instrument: Bruker AMX-400  
Source reference: 950213-2333  
Signature: *Markku Mesilaakso*  
Markku Mesilaakso

nuc.	δ [ppm]	J [Hz]
a	1.807	7.7 (b); 17.9 (P)
b	1.140	20.4 (P)

T = TSPSA; δ(TSPSA) = 0.015 vs. δ(TSP-d<sub>4</sub>) = 0.000

OPCW Code:05-3-0131(p1/1)