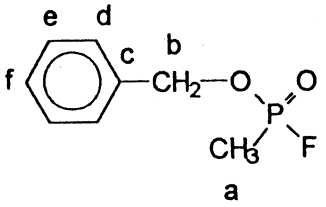
```
31P-NMR p1116c dm-n
benzylsarin in ca 0.7ml CDCl3
214195126.006 jrn.342;140/200
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
User: pml
File: p1116c
VXR-400S  "pmlvxr"
PULSE SEQUENCE
 Relax. delay 3.400 sec
 Pulse 60.0 degrees
 Acq. time 4.753 sec
 Width 1723.6 Hz
 400 repetitions
OBSERVE  P31, 161.9047057 MHz
DATA PROCESSING
 Line broadening 0.1 Hz
FT size 65536
Total time 54 minutes
```

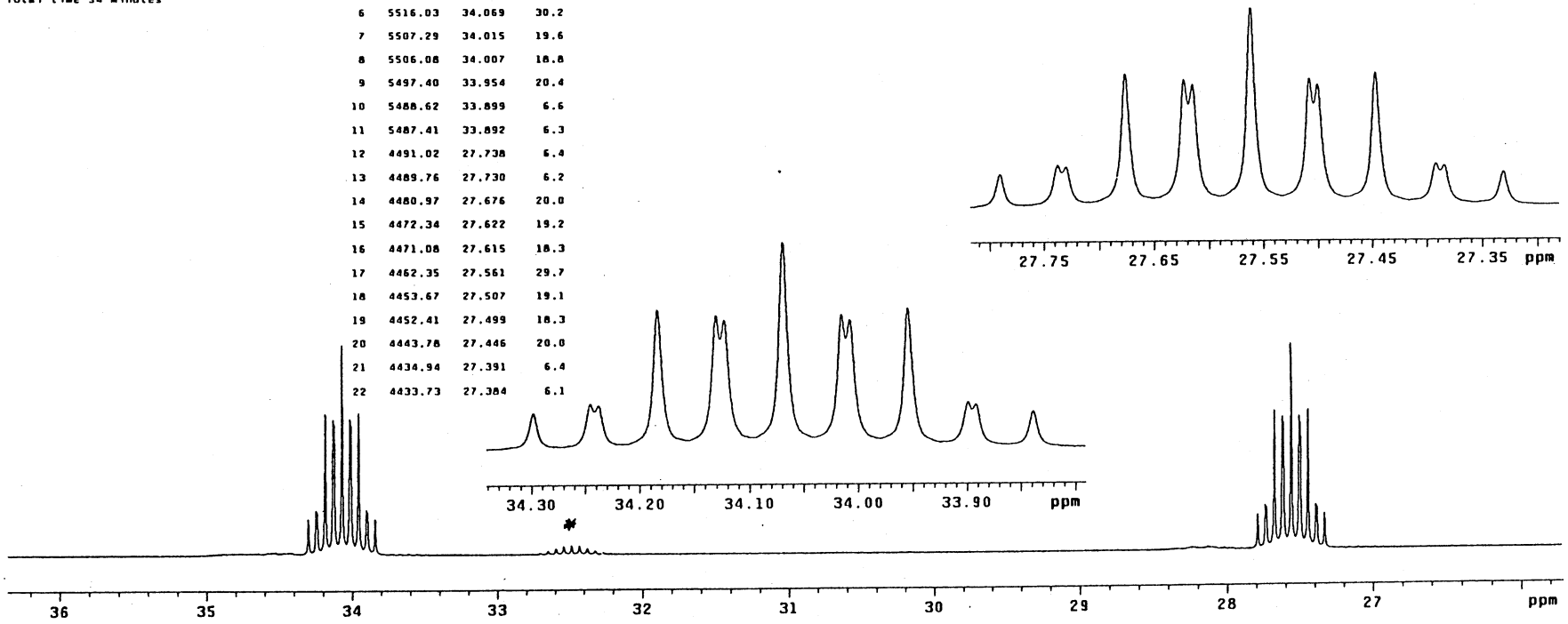
SPECTRAL LINES for th=6.0

rfl= 13098.2 rfp= 17261.5

H3PO4=0.00ppm (p1116b2)

nr	Hz	ppm	intensity
1	5544.59	34.245	6.5
2	5543.38	34.237	6.3
3	5534.59	34.183	20.3
4	5525.97	34.130	19.5
5	5524.76	34.122	18.8
6	5516.03	34.069	30.2
7	5507.29	34.015	19.6
8	5506.08	34.007	18.8
9	5497.40	33.954	20.4
10	5488.62	33.899	6.6
11	5487.41	33.892	6.3
12	4491.02	27.738	6.4
13	4489.76	27.730	6.2
14	4480.97	27.676	20.0
15	4472.34	27.622	19.2
16	4471.08	27.615	18.3
17	4462.35	27.561	29.7
18	4453.67	27.507	19.1
19	4452.41	27.499	18.3
20	4443.78	27.446	20.0
21	4434.94	27.391	6.4
22	4433.73	27.384	6.1





Benzyl methylphosphonofluoridate (benzyl sarin)
CAS 14618-07-6

Nucleus :	^{31}P
Frequency :	161.9 MHz
Concentration :	ca. 85 mg/0.7 ml $CDCl_3$
Reference H_3PO_4 external.	Res. : 1.4 Hz (34.1 ppm)
Instrument :	Varian VXR 400S

Temperature :	30 °C
Spectral width :	1723.6 Hz
Data point (FID) :	16 K
Pulse angle :	15.6 µs (60°)
Number of pulses :	400
Repetition time :	8.2 s
Line broadening :	0.1 Hz
Data points (spec) :	64 K

P: 30.8 ppm J(PF) :1053.7 Hz

J(aP) :	18.7 Hz
J(bP) :	9.9 Hz
J(b'P) :	8.6 Hz

OPCW Code:6-3-240B (p1/1)