

**Some Representative
³¹P Chemical Shifts
 Referenced to 85 % H₃PO₄**

(a) Phosphorus (III) compounds			
	δ / ppm		δ / ppm
PMe ₃	-62	PMeF ₂	245
PEt ₃	-20	PMeH ₂	-163.5
PPr ⁿ ₃	-33	PMeCl ₂	192
PPr ₃	-19.4	PMeBr ₂	184
PBu ⁿ ₃	-32.5	PMe ₂ F	186
PBu ₃	-45.3	PMe ₂ H	-99
PBu ^s ₃	7.9	PMe ₂ Cl	96.5
PBu ^t ₃	63	PMe ₂ Br	90.5

(b) Phosphorus (V) compounds			
	δ / ppm		δ / ppm
Me ₃ PO	36.2	Me ₃ PS	59.1
Et ₃ PO	48.3	Et ₃ PS	54.5
[ME ₄ P] ⁺	24.4	[Et ₄ P] ⁺	40.1
[PO ₄] ³⁻	6.0	[PS ₄] ³⁻	87
PF ₅	-80.3	[PF ₆] ⁻	-145
PCl ₅	-80	[PCl ₄] ⁺	86
MePF ₄	-29.9	[PCl ₆] ⁻	-295
Me ₃ PF ₂	-158	Me ₂ PF ₃	8.0