

Loss on ignition after drying at 230° F. ....	4.17	
Portion soluble in hydrochloric acid = 87.50.	Alumina .....	} 6.25
	Ferric oxide .....	
	Calcium phosphate .....	Large traces
	Calcium sulphate .....	1.91
	Calcium carbonate .....	67.60
	Magnesium carbonate .....	2.58
Portion insoluble in hydrochloric acid = 8.33.	Silica .....	9.16
	Insoluble residue, principally alumina and ferric oxide, with silica .....	
		8.33
	100.00	

A globigerina ooze, containing many pelagic foraminifera of the genera *Globigerina*, *Orbulina*, *Pulvinulina*, and *Sphaeroidina*; many coccoliths and rhabdoliths.—Amorphous clayey matter with oxide of iron. Small particles of sanidine, augite, pumice, magnetite, etc.; a few grains of manganese peroxide.

No. 13.—Station XVI. Lat. 20° 39' N., Long. 50° 33' W. Depth, 2435 fathoms. Bottom temperature, 1°·7 C. Chemical composition:

Loss on ignition after drying at 230° F. ....	9.60	
Portion soluble in hydrochloric acid = 78.40.	Alumina .....	4.00
	Ferric oxide .....	7.10
	Calcium phosphate .....	Small traces
	Calcium sulphate .....	2.32
	Calcium carbonate .....	52.22
	Magnesium carbonate .....	0.76
Portion insoluble in hydrochloric acid = 12.00.	Silica .....	12.00
	Alumina .....	} 2.96
	Ferric oxide .....	
	Lime .....	0.64
	Magnesia .....	0.40
	Silica .....	8.00
	100.00	

A red clay, containing amorphous clayey matter, with oxide of iron, and many small particles of magnetite, feldspar, pumice, and hornblende; a few grains of manganese peroxide.—Many pelagic foraminifera of the genera *Globigerina*, *Orbulina*, *Sphaeroidina*, and *Pulvinulina*; coccoliths and rhabdoliths. The dredge brought up five small round manganese concretions about the size of marbles, and three shark's teeth of the genus *Lamna* with a slight coating of manganese peroxide.