Loss on ignition after drying at 230° F.		5·02
Portion soluble in hydrochloric acid = 82·90.	Alumina	3·23
	Ferric oxide	4·18
	Calcium phosphate	Trace
	Calcium sulphate	0·69
	Calcium carbonate	64·55
	Magnesium carbonate	1·17
	Silica	9·08
Portion insoluble in hydrochloric acid = 12·08.	Alumina	1·79
	Ferric oxide	0·60
	Lime	0.33
	Magnesia	0·28
	Silica	9·08
		100·00

A globigerina ooze of a gray color, containing many pelagic foraminifera of the genera *Globigerina*, *Pulvinulina*, *Orbulina*, *Pullenia*, and *Sphæroidina;* a few *Biloculinæ* and arenaceous foraminifera; a few shells of pteropods, otolites of fishes, and spines of echini; a few spicules of sponges and radiolarians.——Amorphous clayey matter, and many small particles of quartz, mica, magnetite, feldspar, and augite. The larger mineral particles were rounded as if wind-blown.

No. 3.—Station V. February 21st. Lat. 24° 20′ N.; Long. 24° 28′ W. Depth, 2740 fathoms. Bottom temperature, 2°·0 C. Chemical composition:

Loss on ignition after drying at 230° F.		8·20
Portion soluble in hydrochloric acid = 77·30.	Alumina	4·70
	Ferric oxide	3·50
	Calcium phosphate	Traces
	Calcium sulphate	0·70
	Calcium carbonate	56·39
	Magnesium carbonate	0·98
	Silica	11·03
Portion insoluble in hydrochloric acid = 14·50.	Alumina	1·80
	Ferric oxide	0·80
	Lime	0·50
	Magnesia	0·40
	Silica	11·00
		100·00

A red clay, containing many pelagic foraminifera of the genera *Globigerina*, *Orbulina*, *Sphæroidina*, *Pullenia*, and *Pulvinulina;* a few *Biloculinæ* and arenaceous foraminifera; a few radiolaria, and one or two pteropod shells.——Much amorphous clayey matter, deeply dyed