68. Volcanic Mud.—Station VIIb.

Lat. 28° 41′ N., long. 16° 6′ W., 640 fathoms (Brazier).

	Loss on ignition after drying at 230° Fahr.,	4·94
Portion soluble in Hydrochloric Acid = 62·98 =	Alumina,	5·91
	Ferric oxide,	7·02
	Calcium phosphate,	0·52
	Calcium sulphate,	1·05
	Calcium carbonate,	35·68
	Magnesium carbonate,	2·04
	Silica,	10·76
Portion insoluble in Hydrochloric Acid = 32·08 =	Alumina,	4·30
	Ferric oxide,	5·38
	Lime,	2·58
	Magnesia,	0·65
	Silica,	19·17
		100·00

Note.—When treated with dilute hydrochloric acid this substance evolved a perceptible tarry odour.

69. Volcanic Mud.—Station VIIt.

Lat. 28° 42′ N., long. 17° 8′ W., 1750 fathoms (Brazier).

	Loss on ignition after drying at 230° Fahr.,	6·30
Portion soluble in Hydrochloric Acid = 68·57 =	Alumina,	5·71
	Ferric oxide,	7·14
	Calcium phosphate,	good trace
	Calcium sulphate,	1·15
	Calcium carbonate,	41·43
	Magnesium carbonate,	1·43
	Silica,	11·71
Portion insoluble in Hydrochloric Acid = 25·13 =	Alumina,	3·71
	Ferric oxide,	3·43
	Lime,	1·43
	Magnesia,	0·72
	Silica,	15·84
		100·00

Note.—When treated with dilute hydrochloric acid this substance evolved a perceptible tarry odour.

70. Volcanic Mud.—Station VIII.

Lat. 28° 3′ 15″ N., long. 17° 27′ W., 620 fathoms (Brazier).

	Loss on ignition after drying at 230° Fahr.,	6·22
Portion soluble in Hydrochloric Acid = 66·23 =	Alumina,	5·00
	Ferric oxide,	11·69
	Calcium phosphate,	large trace
	Manganese oxide,	trace
	Calcium sulphate,	0·27
	Calcium carbonate,	32·22
	Magnesium carbonate,	0·83
	Silica,	16·22
Portion insoluble in Hydrochloric Acid = 27·55 =	Alumina,	4·22
	Ferric oxide,	3·77
	Lime,	1·44
	Magnesia,	0·22
	Silica,	17·90
		100·00