

TABLE V (A). MARLY SHALES, MARLES, SILICIOUS CONCRETIONS, &c., DRIED AT 212° F.

Number in Report	County.	Silica and sili- cates.	Silica.	Alumina.	Iron oxide.	Lime carbonate.	Lime.	Magnesia car- bonate.	Magnesia	Phosphoric acid.	Sulphuric acid.	Potash.*	Soda.*	Total potash.	Total soda.	Water, &c.	Remarks.
1292	Bryd	77.560	..	12.643	0.480	..	..	.929	..	.217	.079	1.387	.080	3.989	6.39	5.830	Marly shale, near Clinton Furnace.
1307	Bracken	76.060	..	14.959	.500	..	..	.345	..	.486	a trace	..	..	2.735	3.40	3.40	Silicious mudstone.
1308	Breckinridge	66.680	..	20.860	1.060	..	..	..	0.684	.230	.061	..	..	.982	.501	..	Red under clay (ferruginous).
1315	Campbell	47.320	..	28.050	13.490	..	..	1.135	..	.345	not est	..	..	3.254	64	4.800	Marly shale, Cincinnati Group.
1316	Campbell	68.760	..	12.050	9.860	..	..	3.859	..	.221	not est	..	..	1.329	.976	2.200	Marl (mudstone).
1317	Campbell	58.080	..	31.490	6.60	..	..	1.135	..	.255	not est	..	..	3.045	.986	4.700	Clay shale, Newport Reservoir.
1318	Campbell	51.490	..	29.450	6.850	..	..	1.256	..	.122	not est	..	..	4.124	.567	4.400	Clay shale, Newport Reservoir.
1319	Campbell	72.660	..	20.500	a trace	..	..	.832	..	.192	not est	..	..	1.243	not est	4.200	Clay, brick clay.
1320	Campbell	82.560	..	12.223	.160	..	..	a trace	..	not est	not est	..	..	.675	.287	4.100	Sandy, ferruginous clay.
1321	Campbell	57.160	..	33.540	.860	..	..	1.776	..	not est	not est	..	..	2.698	.555	3.411	Ferruginous clay.
1322	Campbell	81.660	..	12.700	a trace	..	..	a trace	..	a trace	not est	..	..	.756	.637	4.400	Sand, moulding sand.
1323	Campbell	85.840	..	3.500	7.400	..	..	not est	..	not est	not est	..	..	not est	not est	2.200	Sand, beneath brick clay.
1335	Campbell	54.160	..	12.269	7.800	..	..	.165	..	.281	.659	..	..	3.298	.926	4.892	Marly shale, Cincinnati Group.
1336	Campbell	57.260	..	16.782	4.560	..	..	.778	..	.008	.233	..	..	4.471	1.072	3.336	Marly shale, Cincinnati Group.
1409	Carter	84.000	..	11.500	.560	..	..	..	.121	.223	not est	..	..	.366	.587	2.500	Sandy sub-soil, Little Sandy river.
1431	Franklin	77.380	..	10.415	1.440	..	..	..	.800	.435	.738	3.488	.042	8.479	.696	5.350	Green marly shale.
1432	Franklin	70.060	..	15.395	.875	..	..	..	2.298	.460	.570	3.565	.318	7.130	.748	6.400	Olive marly shale.
1433	Franklin	50.360	..	16.816	6.997	..	..	..	.936	.217	.280	..	..	3.623	1.731	8.304	Marly shale (mineral paint).
1434	Franklin	52.060	..	18.831	9.900	..	..	..	1.210	.319	.920	..	..	5.402	.720	7.672	Marly shale (mineral paint).
1439	Fulton	74.960	..	18.350	.560	..	..	..	.309	.051	.501	..	..	.230	.124	5.800	Silicious clay (indurated).
1440	Fulton	81.060	..	13.659	.560	..	..	..	.139	.051	.844	..	..	.231	.021	3.600	Soft sandstone or silicious concretion.
1441	Fulton	89.160	..	7.809	.380	..	..	..	.086	.051	.707	..	..	.115	.087	2.400	Soft sandstone or silicious concretion.
1442	Fulton	94.060	..	3.129	.380	..	..	..	.173	.051	.981	..	..	.230	.124	1.600	Soft sandstone or silicious concretion.
1443	Illinois	70.660	..	20.309	.960	..	..	..	.307	.051	1.188	..	..	.819	.487	5.219	Post Tertiary clay, Grand Chain.
1446	Grayson	71.560	..	19.133	..	..	..	..	.353	.267	.027	2.910	.052	4.115	.602	6.230	Marly shale, Sunset Lick.
1446	Grayson	60.060	..	14.130	..	..	..	..	1.158	.280	.204	..	..	4.625	.783	6.000	Same, analyzed by fusion.
1447	Grayson	87.700	..	7.040	.100	..	..	..	.245	.370	.049	.975	.401	..	..	3.000	Soft sandstone, Home Branch.
1577	Henry	23.700	..	7.146	44.560	..	..	..	.310	1.164	.961	..	..	2.100	.623	8.396	Marl (cut of Cumberland & Ohio Railr'd, Eminence).
1581	Kenton	77.460	..	16.500	.480	..	..	..	.121	not est	not est	..	..	.828	.580	4.500	Silicious grit.
1582	Kenton	75.700	..	15.793	.660	..	..	..	.214	.630	not est	..	..	.847	.762	5.100	Silicious grit.
1583	Kenton	56.400	..	29.971	.760	..	..	..	1.514	.166	not est	..	..	2.538	.551	7.100	Marly clay, Cincinnati Group, Lower Silurian.
1584	Kenton	68.360	..	22.256	1.000	..	..	..	1.181	.258	not est	..	..	2.139	.906	3.650	Brick clay.
1585	Kenton	43.461	..	21.000	.680	..	..	..	.680	.607	not est	..	..	2.447	.915	3.850	Marly shale, Cincinnati Group.
1586	Kenton	47.160	..	22.850	.840	..	..	..	.840	.128	not est	..	..	2.301	1.590	5.200	Marly shale, Cincinnati Group.

* Extracted by digestion in acids.