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SET NO. 2, 42 OUTCROP SAMPLES OF BLACK SHALE FROM THE TRADEWATER AND CARBONDALE FORMATIONS, WESTERN KENTUCKY COAL FIELD

[All analyses (except organic carbon) by the six-step spectrographic method, A. L. Sutton, Jr., analyst. Results are reported in percent to the nearest number in the series 1, 0.7, 0.5, 0.3, 0.2, 0.15, and 0.1, etc., which represent approximate midpoints of group data on a geometric scale. The assigned group will include the quantitative value about 30 percent of the time. Symbols used are as follows: G, greater than value indicated; N, not detected, or less than the limit of detection. Organic carbon analyses by I. C. Frost, calculated by difference between total carbon and mineral carbon]

SAMPLE NUMBER	ELEMENT									
	NA	K	TI	MN	AG	LA	MO	SR	V	Y
D114113	1.00000	3.00000	.20000	.00500	.00000N	.00300	.00300	.02000	.00500	.002000
D114114	1.00000	5.00000	.15000	.00300	.00020	.02000	.00300	.015000	.00700	.001500
D114115	.300000	2.00000	.150000	.00150	.00020	.00300	.00300	.010000	.00700	.002000
D114116	.300000	2.00000	.10000	.00150	.00010	.00200	.00150	.015000	.00500	.002000
D114117	.100000	.00000N	.03000	.15000	.00000N	.00000	.00070	.00300	.00000	.000000
D114118	1.00000	2.00000	.15000	.03000	.00000N	.00700N	.00000N	.02000	.00700	.002000
D114119	.300000	2.00000	.15000	.00200	.00000N	.00300N	.00000N	.01000	.00000	.001000
D114120	.100000	1.00000	.10000	.00100	.00000N	.00300N	.00000N	.00700	.00700	.000000
D114123	1.00000	1.50000	.20000	.00500	.00000N	.00500	.00000N	.02000	.00700	.000000
D114124	.700000	2.00000	.20000	.00700	.00020	.00700	.00300	.02000	.00700	.000000
D114125	.700000	2.00000	.15000	.00500	.00020	.00500	.00300	.02000	.00000	.001000
D114126	1.00000	3.00000	.20000	.01000	.00020	.00300	.00200	.01000	.00000	.000000
D114127	1.00000	3.00000	.15000	.01000	.00150	.00300	.00200	.01000	.00000	.002000
D114128	1.00000	2.00000	.15000	.01000	.00000N	.00300	.00100	.01000	.00000	.001500
D114129	1.00000	2.00000	.15000	.01500	.00000N	.00300	.00300	.00000	.00000	.000000
D114130	1.00000	2.00000	.15000	.00700	.00020	.00300	.00200	.02000	.00000	.000000
D114131	1.00000	2.00000	.15000	.00500	.00150	.00500	.00300	.01000	.00000	.000000
D114132	.200000	1.50000	.10000	.00700	.00000N	.00300	.00100	.01000	.00000	.000000
D114133	.200000	1.50000	.10000	.00500	.00020	.00300	.00200	.01000	.00000	.000000
D114134	.300000	2.00000	.20000	.00200	.00020	.00700	.00300	.02000	.00000	.000000
D114135	.300000	2.00000	.15000	.00200	.00020	.00300	.00300	.02000	.00000	.000000
D114136	.700000	2.00000	.20000	.00200	.00000N	.00300	.00100	.00000	.00000	.000000
D114137	.300000	2.00000	.20000	.00200	.00000N	.00300	.00300	.00000	.00000	.000000
D114138	.700000	1.50000	.15000	.01500	.00000N	.00300	.00300	.01000	.00700	.000000
D114139	.700000	2.00000	.15000	.00700	.00000N	.00500	.00000N	.02000	.00700	.000000
D114140	.700000	2.00000	.15000	.00500	.00000N	.00300	.00000N	.01000	.00700	.000000
D114141	.500000	2.00000	.15000	.00300	.00000N	.00300	.00000N	.01000	.00700	.000000
D114142	.500000	2.00000	.15000	.00300	.00000N	.00300	.00000N	.00000	.00700	.000000
D114143	.700000	3.00000	.15000	.01000	.00150	.00300	.00200	.00000	.00000	.000000
D114144	.500000	2.00000	.15000	.00500	.00020	.00300	.00300	.01000	.00000	.000000
D114145	1.00000	2.00000	.15000	.00700	.00020	.00300	.00150	.00000	.00000	.000000
D114146	1.00000	3.00000	.20000	.01000	.00000N	.00300	.00200	.01000	.00000	.000000
D114147	1.00000	2.00000	.20000	.01000	.00000N	.00300	.00300	.00000	.00000	.000000
D114148	.700000	2.00000	.15000	.00200	.00150	.00300	.00100	.02000	.00000	.000000
D114149	.700000	2.00000	.20000	.00200	.00150	.00300	.00100	.02000	.00000	.002000
D114150	1.00000	2.00000	.15000	.00200	.00020	.00300	.00150	.02000	.00000	.000000
D114151	1.00000	2.00000	.15000	.00300	.00020	.00300	.00150	.02000	.00000	.001000
D114152	1.00000	2.00000	.15000	.00300	.00000N	.00300	.00700	.00000	.00000	.001000
D114153	1.00000	2.00000	.15000	.01000	.00150	.00300	.00300	.01000	.00000	.000000
D114154	1.00000	2.00000	.20000	.01000	.00150	.00300	.00100	.00000	.00000	.000000
D114155	1.00000	2.00000	.20000	.00300	.00000N	.00300	.00700	.00700	.00700	.001500
D114156	1.00000	2.00000	.15000	.00500	.00100	.00300	.00300	.02000	.00000	.002000
D114157	.700000	2.00000	.15000	.00500	.00000N	.00300	.00300	.01000	.00000	.002000