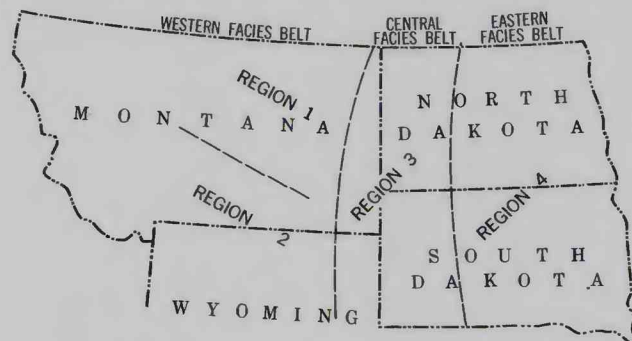


Concentration in percent ¹	B				Ca				Sc				V				Cr				Mn				Co				Ni				Cu				Ga				Sr				Y				Zr				Nb				Ba				La				Ce				Nd				Yb				Pb			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4								
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¹Percentages shown are approximate midpoints of arbitrary ranges of content; the ranges are bounded by multiples of the progression 1.0, 2.1, 4.6, and 10.0. For the semiquantitative spectrographic analyses, at least 60 percent of the reported results are expected to be in the correct range.

²These two amounts are larger than 10 percent.



EXPLANATION

- |||| Semiquantitative spectrographic analyses
- = Chemical analyses
- Lower limit of sensitivity of semiquantitative spectrographic analysis

- Column 1, 22 samples from region 1 in northern part of western facies belt, north-central Montana.
- 2, 14 samples from region 2 in southern part of western facies belt, central Wyoming and adjacent southern Montana.
- 3, 17 samples from region 3 in central facies belt, Black Hills area, Wyoming, Montana, and South Dakota.
- 4, 14 samples from region 4 in eastern facies belt, central South Dakota.

DISTRIBUTION OF ELEMENTS IN THE PIERRE SHALE AND EQUIVALENT ROCKS AND IN SOME OLDER SHALES
OF CRETACEOUS AGE BY GEOGRAPHIC REGION