Table 18.--Composition of barren and slightly mineralized carbonaceous material (Sp. Gr. <1.70) from in the lower (Part of the ~~lower part of~~ Chinle rocks Formation

/Analysts: Spectrographic, J. C. Hamilton and N. M. Conklin; Uranium, D. L. Ferguson and J. P. Schuch; Ash, E. F. Cooley and D. L. Ferguson/

Field Number	Laboratory Number	Brief description	Percent ash in original material	1/ Nature of material	Analytical data expressed in percent 2/																									
					Si	Al	Fe	Mg	Ca	Na	Ti	Mn	Ag	B	Ba	Co	Cr	Cu	Ge	Mo	Nb	Ni	Pb	Sc	Sr	U	V	Y	Yb	Zn	Zr
K-7-11-57-S3	256871	Collected from drill core in sec. 19, T. 29 S., R. 24 E. No Chinle ore bodies known within a mile.	12.1	Unashed sample	< XX.	.X	< XX.	.0X+	.X	.0X	.0X+	.0X-	.0000X+	0	.0X-	.00X	.000X-	.0X-	.00X	.00X	0	.00X	.00X+	0	.00X-	0.0003	.00X-	.00X-	.000X	.0X-	.00X
				Ash	XX.	X.	XX.	.X+	X.	.X	.X+	.X-	.000X+	0	.X-	.0X	.00X-	.X-	.0X	.0X	0	.0X	.0X+	0	.0X-	.003	.0X-	.0X-	.00X	.X-	.0X
K-7-12-57-S5	256876	Collected from drill core. Trace amounts of uranium in drill core 300 feet away.	9.2	Unashed sample	< XX.	.X-	< XX.	.0X	< XX.	.0X+	.0X+	.0X-	0	0	.0X+	.00X	.000X-	.00X	.00X	.00X-	0	.00X-	0	0	.0X-	.0007	.00X+	.00X-	.000X	.0X-	.00X+
				Ash	X.+	X.-	XX.	.X	XX.	.X+	.X+	.X-	0	0	.X+	.0X	.00X-	.0X	.0X	.0X-	0	.0X-	0	0	.X-	.006	.0X+	.0X-	.00X	.X-	.0X+
K-7-11-57-S4	256872	Collected from drill core in sec. 18, T. 29 S., R. 24 E. No known ore bodies within a mile.	9.3	Unashed sample	.X+	.X-	< XX.	.0X-	< XX.	.0X+	.0X+	.0X-	0	0	.0X-	.00X-	.0000X+	.00X	.00X	.00X-	0	.00X-	0	0	.00X	.0007	.00X	.00X-	.000X	.0X-	.00X+
				Ash	X.+	X.-	XX.	.X-	XX.	.X+	.X+	.X-	0	0	.X-	.0X-	.000X+	.0X	.0X	.0X-	0	.0X-	0	0	.0X	.006	.0X	.0X-	.00X	.X-	.0X+
K-7-12-57-S3	256874	Collected from drill core. In mineralized rock averaging 0.02 percent uranium.	17.6	Unashed sample	?	.X+	?	.X-	?	.0X+	.0X+	.0X	.000X-	0	.0X+	.00X	.000X	.00X+	.00X	.00X	0	.00X	.00X-	0	.00X+	.0025	.00X+	.00X	.000X+	.0X	.0X
				Ash	XX.	X.	XX.	.X+	XX.	.X	.X	.X-	.000X+	0	.X	.0X-	.00X-	.0X	.0X-	.0X-	0	.0X-	..00X+	0	.0X	.014	.0X	.0X-	.00X	.X-	.X-
VK6-56A VK6-56B VK6-56C	56-744 56-745 56-746	Calculated composition of organic material (Sp. Gr. < 1.70) from log near high grade ore. See Table 19.	2.85	Unashed sample	.0X+	.00X+	.X+	.000X+	.0X+	.0X-	.00X	.000X+	0	.00X-	.0X	0	.000X	.00X-	0	.00X	.0X	0	0	.00X-	.000X-	.006	.00X	.00X+	.00X-	.0X-	.00X
				Ash	X.	.X	XX.	.0X	X.	X.-	.X-	.0X	?	.0X+	X.-	?	.0X-	.0X+	?	.X-	X.-	?	?	.0X+	.00X+	.28	.X-	.X-	.0X+	.X	.X-

1/ Samples 256871, 256876, 256872, and 256874 were the ashes of carbonaceous samples. The compositions of the original samples were estimated from the composition of the ash and the percent of ash in each sample. The compositions of the air-dried samples, 56-744 to 56-746, were determined and the composition of the organic fraction (Sp. Gr. < 1.70) was calculated. The composition of the ash of this organic fraction was estimated from the ash content of samples 56-744 to 56-746 and the calculated composition of the organic fraction.

2/ See table 2 for explanation of symbols used. "?" means that the composition cannot be calculated from the data available.