CLAY FRACTION

MINERALOGY, APPROX. WT.% [✓] (or) RELATIVE ABUNDANCE [ ]

SAMPLE NO.	SMECTITE	MIXED-LAYER SMECT.-CHLOR. (A)	MIXED-LAYER CHLOR.-SMEC.	CHLORITE	ILLITE	MIXED-LAYER ILLITE-SMEC. (C)	KAOLIN
68-400	100						
68-800	100						
68-1200	97						3
68-1600	95						5
68-1900		40		50	5	5	
68-2200	55			10	35		
68-3000				90	10		
68-3400	37			60	3		
68-3800	65		15 (E)	20			
68-4400	5			95			
68-4800	3			93	4		
68-5000	Tr			98	2		
68-5200				98	2		
68-5600		5		80	15		
68-6000			10 (B)	75	15		
68-6400			5 (E)	80	15		

(A) >75% SMECTITE
(B) 90% CHLORITE
(C) >80% ILLITE
(D) MAY INCLUDE PRIMARY MICA
(E) ≈50% CHLORITE

MM = PREDOMINANT M = MAJOR m = MINOR Tr = TRACE ? = TENTATIVE IDENTIFICATION

SUMMARY OF X-RAY DIFFRACTION ANALYSIS

UNIVERSITY OF UTAH RESEARCH INSTITUTE , EARTH SCIENCE LABORATORY