

Table 4. Quantitative mineralogy (wt.%) by XRD analyses for miscellaneous mudstone samples. All samples were pulverized using the McCrone micronizing mill.

<i>Mineral Groups</i>	<i>Silicates</i>			<i>Phyllosilicates</i>		<i>Sulphates</i>			<i>GoF</i>	<i>%XL</i>
	Qtz	Pl	Kfs	Ms	Chl	Gp	Jrs-H	Jrs-N		
Kus A	14		6	5		9	66		2.02	38%
Kus B	8	24		4		5	55	4	2.41	40%
Kus C	13	tr		6	tr	6	72	3	2.15	37%
Kus D	17	tr		9		5	67	2	2.08	38%
Concretion						100			2.57	90%

Qtz: quartz, Pl: plagioclase, Kfs: K-feldspar, Ms: muscovite, Chl: chlorite, Gp: gypsum, Jrs-H: hydronium jarosite, Jrs-N: natrojarosite, GoF: goodness of fit, %XL: percent crystallinity, tr: trace