

Table 6.2. Surface area measurements, sieve analysis and calculation of effective surface areas before and after weathering testing in duplicate for the lower Kittanning Shale.

Lower Kittanning Shale

	surface area	% retained	normalized surface area
3/8			0
#4	11.71	0.4	4.7
#10	12.78	0.25	3.2
#16	12.78	0.1	1.3
#40	14.71	0.1	1.5
#60	13.68	0.05	0.7
pan	10.63	0.1	1.1

12.4
m²/g

Lower Kittanning Shale

	column 7		
	surface area	% retained	normalized surface area
3/8			0
#4	13.44	0.4	5.38
#16	14.04	0.35	4.91
#40	15.95	0.1	1.6
#60	12.3	0.05	0.62
pan	15.54	0.1	1.55

14.05
m²/g

	column 8		
	surface area	% retained	normalized surface area
3/8	11.71		0
#4	13.44	0.4	5.38
#16	12.83	0.35	4.49
#40	15.67	0.1	1.57
#60	16.15	0.05	0.81
pan	15.36	0.1	1.54

13.78
m²/g