Finally, one observation of the NP values is that the weathered NP values for numerous labs (Labs 3, 4, 7 and 8) especially Lab 4, are considerably less than the unweathered samples from these labs.

Table 9.3 Kanawha Black Flint Shale Summary ABA Data

Sample Treatment		N	%S			NP		
			Min	Mean	Max	Min	Mean	Max
KBF-WV	Initial Standard NP	4	0.21	0.30	0.35	15.17	16.95	18.69
KBF-WV	Initial Modified NP	4	0.21	0.30	0.35	13.17	13.61	14.26
KBF-WV	Splits Before Leaching	6	0.24	0.27	0.39	14.05	18.56	21.49
KBF-WV	Splits After Leaching	24	0.05	0.17	0.31	10.62	37.77	315.62

Lower Kittanning Shale (LKFC-PA)

The Lower Kittanning shale from the Falls Creek site exhibits consistency in the sulfur and NP values of the original homogenization splits in Tables 9.4 and 9.11, however, 3 of the 4 NP values from the 1997 method are slightly higher than those from the 1978 method. Split 3 from the original July 14, 2005 tests was weathered in Lab 4, and the retested unweathered sample had an almost identical sulfur content, but a slightly higher NP. The unweathered sulfur contents for Labs 3, 4, 5, 7 and 8 were higher than the weathered samples from the leaching columns, as would be expected, especially in the samples from Lab 7. However in the particle size classes shown for the two columns at Lab 6, the highest sulfur contents are not in the fines.

This Lower Kittanning shale sample has the most consistent and reasonable NP values of the five rock samples shown in Tables 9.8 through 9.12. For example, the weathered NP samples from the columns at Labs 3 and 4 are less than the unweathered sample NP values, especially at Lab 4. The fizz ratings are also consistent, as they are all 0, even within the different particle size classes.