

Supplementary Table 1: Prevalence of Polycyclic Aromatic Hydrocarbons (PAHs) Residue on hides samples in Enugu Slaughterhouse

PAHs	No of positive Cattle (%)	No of positive sample (%)			Total
		Unsigned hides	Singed hides	Singed and washed hides	
Acenaphthylene	16 (80)	15 (75)	16 (80)	16 (80)	47 (78.3)
Naphthalene	7 (35)	7 (35)	7 (35)	7 (35)	21 (35)
Flouranthene	15 (75)	13 (65)	14 (70)	14 (70)	41 (68.3)
Phenanthrene	13 (65)	12 (60)	13 (65)	11 (55)	36 (60)
Dibenzyl (a-h) Anthracene	8 (40)	7 (35)	8 (40)	8 (40)	23 (38.3)
Anthracene	10 (50)	8 (40)	10 (50)	8 (40)	26 (43.3)
1-2 Benzanthracene	18 (90)	18 (90)	18 (90)	18 (90)	54 (90)
Acenaphthene	17 (85)	16 (80)	16 (80)	15 (75)	47 (78.3)
Benzo (k) Flouranthene	16 (80)	14 (70)	16 (80)	15 (75)	45 (75)
Benzo (a) Pyrene	15 (75)	13 (65)	16 (80)	15 (75)	44 (73.3)
Xylene	12 (60)	10 (50)	12 (60)	11 (55)	33 (55)
Pyrene	12 (60)	11 (55)	12 (60)	12 (60)	35 (58.3)
Benzo (g-h-I) Perylene	15 (75)	14 (70)	15 (75)	15 (75)	44 (73.3)
Benzo (b) Fluoranthene	15 (75)	14 (70)	14 (70)	14 (70)	42 (70)
Fluorene	11 (55)	9 (45)	11 (55)	10 (50)	30 (50)
TOTAL	300	300	300	300	900

Supplementary Table 2: Prevalence of Polycyclic Aromatic Hydrocarbons Residue on Hides samples in Nsukka Slaughterhouse

PAHs	No of positive Cattle (%)	No of positive sample (%)			Total
		unsinged hides	Singed hides	Singed and washed hides	
Acenaphthylene	15 (75)	14 (70)	15 (75)	15 (75)	44 (73.3)
Naphthalene	8 (40)	6 (30)	7 (35)	8 (40)	21 (35)
Flouranthene	17 (85)	16 (80)	17 (85)	17 (85)	50 (83.3)
Phenanthrene	15 (75)	14 (70)	15 (75)	15 (75)	44 (73.3)
Dibenzyl (a-h) Anthracene	13 (65)	11 (55)	13 (65)	13 (65)	37 (61.7)
Anthracene	11 (55)	10 (50)	11 (55)	11 (55)	32 (53.3)
1-2 Benzanthracene	19 (95)	19 (95)	19 (95)	19 (95)	57 (95)
Acenaphthene	19 (85)	18 (90)	19 (95)	19 (95)	56 (93.3)
Benzo (k) Flouranthene	17 (85)	17 (85)	17 (85)	17 (85)	51 (85)
Benzo (a) Pyrene	14 (70)	13 (65)	14 (70)	14 (70)	41 (68.3)
Xylene	11 (55)	11 (55)	11 (55)	11 (55)	33 (55)
Pyrene	14 (70)	14 (70)	13 (65)	13 (65)	40 (66.7)
Benzo (g-h-I) Perylene	13 (65)	13 (65)	13 (65)	13 (65)	39 (65)
Benzo (b) Fluoranthene	16 (80)	15 (75)	16 (80)	15 (75)	46(76.7)
Fluorene	9 (45)	7 (35)	10 (50)	8 (40)	25 (41.7)
TOTAL	300	300	300	300	900

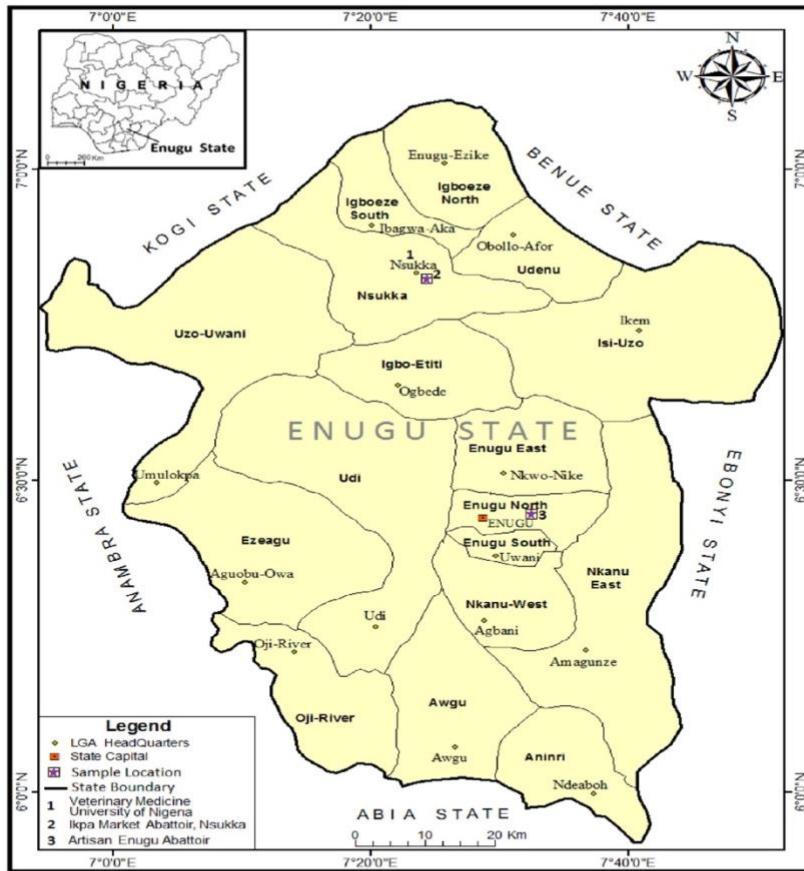


Figure 1: map of the study area showing the sample collection points³