

## Supplementary Material to “Systems chemo-biology analysis of DNA damage response and cell cycle effects induced by coal exposure”

**Table S3** - Polycyclic aromatic hydrocarbon concentrations per sample (mean  $\pm$  standard deviation) as revealed by

HPLC/UV/Vis		
PAH	Guacamaya ( $\mu\text{g.kg}^{-1}$ )	El Cerrejón ( $\mu\text{g.kg}^{-1}$ )
Naphthalene	465 $\pm$ 16.34	864.1 $\pm$ 90.88
Acenaphthene	2.4 $\pm$ 0.03	3.8 $\pm$ 0.89
Phenanthrene	386.6 $\pm$ 1.46	846.2 $\pm$ 47.75
Anthracene	309.9 $\pm$ 13.37	1285.1 $\pm$ 110.57
Fluoranthene	1159.9 $\pm$ 59.17	1437.5 $\pm$ 245.52
Benzo[a]anthracene	676.5 $\pm$ 38.95	5045.4 $\pm$ 413.45
Benzo[g,h,i]pyrene	0.91 $\pm$ 7.60	1.3 $\pm$ 3.56
Benzo[b]fluoranthene	0.06 $\pm$ 0.02	0.6 $\pm$ 0.04
Dibenzo[a, h]anthracene	13.2 $\pm$ 0.001	28.9 $\pm$ 3.85
Indeno[1,2,3-cd]pyrene	9.5 $\pm$ 0.006	12.3 $\pm$ 0.005
Benzo[k]fluoranthene	0.9 $\pm$ 0.06	30.8 $\pm$ 1.10