Supplementary materials

Metal-organic frameworks MIL-53(Al) as solid-phase microextraction adsorbent to determine 16 polycyclic aromatic hydrocarbons in water samples by gas chromatography-tandem mass spectrometry

Xiang-Feng Chen[1], Hao Zang[1,2], Xia Wang[1], Jian-Guang Cheng[2], Ru-Song Zhao[1*]
Chuan-Ge Cheng[1], Xiao-Qing Lu[3]

[1]Key Laboratory for Applied Technology of Sophisticated Analytical Instruments, Academy of Sciences, Shandong, Jinan, P. R. China

[2]College of Chemical and Environmental Engineering, Shandong University of Science and Technology, Qingdao, Shandong, P. R. China

[3]College of Science, China University of Petroleum, Qingdao, Shandong, P. R. China

Table S1. GC-MS/MS MRM data acquisition method for 16 PAHs

Table S1. GC-MS/MS MRM data acquisition method for 16 PAHs

Compounds	Retention time (min)	Mw	Quantity		Qualification	
			Collision energy (eV)	Monitored transition (m/z)	Collision energy (eV)	Monitored transition (m/z)
Na	5.98	128	10	128-102	10	128-127
Acy	10.11	152	10	152-151	15	152-150
Ace	11.04	154	10	154-153	10	153-152
Flu	13.58	166	15	166-165	30	165-164
Ph	17.80	178	25	178-178	15	178-177
An	18.02	178	25	178-178	15	178-177
Fl	25.22	202	15	202-201	15	202-200
Pyr	26.31	202	15	202-201	15	202-200
BaA	31.93	228	30	228-227	15	226-225
Chr	32.11	228	30	228-227	15	226-225
BbF	38.96	252	40	252-252	30	252-251
BkF	39.1	252	40	252-252	30	252-251
Bap	40.31	252	40	252-252	30	252-251
LnP	43.98	276	40	276-276	30	276-275
DBA	44.17	278	40	278-278	30	278-277
BghiP	44.87	276	40	276-276	30	276-275