

Compound class	m/z (M^+)*	% mass closure		% contribution to mass identified in emissions	
		Diesel fuel	Lubricating oil	Gas phase	Particulate phase
Total		89.7	74.7	85.0 of TIC	75.0 of TIC
<i>n</i> + <i>i</i> -alkanes (C_{11} – C_{33})	57 (C_nH_{2n+2})	62.2	23.0	39.9	47.3
Monocyclic alkanes (C_{11} – C_{33})	82 (C_nH_{2n})	13.8	35.6	17.4	19.6
Bicyclic alkanes (C_{11} – C_{33})	137 (C_nH_{2n-2})	5.0	9.2	9.7	7.5
Tricyclic alkanes (C_{11} – C_{33})	191 (C_nH_{2n-4})	<0.1	2.7	<0.1	2.7
Monocyclic aromatics (C_{11} – C_{33})	92, 119 (C_nH_{2n-6})	4.4	4.2	23.5	6.0
Bicyclic aromatics (C_{11} – C_{33})	128, 141	0.8	<0.1	2.0	
Adamantanes	135, 149, 163, 177				
Diamantanes	187, 188, 201, 215, 229				
Pentacyclic alkanes	258, 272, 286				
Hexacyclic alkanes	298, 312				
Steroids	239, 267				
Monoaromatic steranes	253				
Steranes	217, 218				
Methyl steranes	217, 218, 231, 232				
25-norhopanes	177				
28, 30-norhopanes	163, 191				
Hopanes	336				
PAHs		0.8		0.6	4.0
Biphenyls/acenaphthenes		0.1		0.1	<0.1
Tetralin/indanes	132, 145	2.5		6.9	
Oxygenates					7.1
Furanones	84				0.9
FAMEs	174				2.0
Miscellaneous compounds					<3.0