Specific chemicals

The following are classes of specific chemicals that have been found in diesel exhaust.[19] [1]

Chemical contaminant	Note	Concentration, ppm
acetaldehyde	IARC Group 2B (possible) carcinogens	
acrolein	IARC Group 3 carcinogens	
aniline	IARC Group 3 carcinogens	
arsenic	IARC Group 1 carcinogens, endocrine disruptor	
benzene[1]	IARC Group 1 carcinogens	
biphenyl	Mild toxicity	
bis(2-ethylhexyl) phthalate	Endocrine disruptor[20][21][22][23]	
1,3-Butadiene	IARC Group 2A carcinogens	
cadmium	IARC Group 1 carcinogens, endocrine disruptor	
chlorine	Byproduct of urea injection	
chlorobenzene	"[L]ow to moderate" toxicity[24]	
cresol§		
dibutyl phthalate	Endocrine disruptor	
1,8-dinitropyrene	Strongly carcinogenic[25][26]	
ethylbenzene		
formaldehyde	IARC Group 1 carcinogens	
inorganic lead	Endocrine disruptor	
methanol		
methyl ethyl ketone		
naphthalene	IARC Group 2B carcinogens	
nickel	IARC Group 2B carcinogens	
3-nitrobenzanthrone (3-NBA)	Strongly carcinogenic[27][25]	0.6-6.6[28]
4-nitrobiphenyl	Irritant, damages nerves/liver/kidneys[29]	2.2[30][31]
Benzo(a)pyrene	IARC Group 1 carcinogen	208–558[30][32]
Fluoranthene[1]	IARC Group 3 carcinogens	3399–7321[30][32]
propionaldehyde		
styrene	IARC Group 2B carcinogens	
toluene	IARC Group 3 carcinogens	
xylene§	IARC Group 3 carcinogens	

§Includes all regioisomers of this aromatic compound. See *ortho-*, *meta-*, *and para-*isomer descriptions at each compound's article.