

表 1

Example of sidestream cigarette smoke deliveries¹

Constituent	Reference	Kentucky reference ² mg per cig.	Commercial reference mg per cig.	reference
Condensate			36-67	
Total particulate matter		16.9	16-36	
Nicotine		5.6	5.7-11.2	
Carbon monoxide		54	41-67	
Carbon dioxide		474		
Nitrogen oxides		0.9		
Ammonia		9.1		
Formaldehyde		0.7		
Acetaldehyde		4.2		
Acrolein		1.3	1.4	
Propionaldehyde		0.9		
Benzene		0.3	0.4	
Toluene		0.8	1.3	
Pyrrrole		0.4		
Pyridine		0.3		
Limonene		0.3	<0.1-0.4	
Neophytadiene			0.1-0.2	
Isoprene		2.5	6.1	
nC ₂₇ -nC ₃₃		0.2-0.8		
Acetonitrile		1.0	0.8	3
Acrylonitrile		0.2		
Hydrogen cyanide		53	17	3
Phenol			44-371	
o-Cresol			24-98	
m+p-Cresol			59-299	
Catechol			46-189	
Hydroquinone			26-256	
Naphthalene			53-177	
Phenanthrene			2.4	
Anthracene			0.7	
Fluoranthene			0.7	
Pyrene			0.5	
Benz(a)anthracene		0.2	0.2	
Benzo(a)pyrene		0.1	0.1	
NNN	4	0.2	1.7	
NNK	4	0.4	0.4	
NAT	4	0.1		
NAB	4	<0.1		
DMNA	4	0.3	0.7-1.0	
EMNA	4		<0.1	
DENA	4		<0.1-0.1	
NPYR	4	0.2	0.2-0.4	
2-Naphtylamine			<0.1-1	5
4-Aminobiphenyl			<0.1-0.2	5

1 Table reprinted from Guerin et al. (1992) who compiled data from Browne et al. (1990); Brunnemann et al. (1977,1978); Chortyk and Schlotzhauer (1989); Grimmer et al. (1987); Guerin(1991); Higgins et al.(1987); Johnson et al.(1973); O'Neill et al.(1987); R.J.Reynoldes (1988); Rickert et al. (1984); Sakuma et al. (1983,1984a,b); and Norman et al. (1983); Full references are given in Guerin et al. (1992).

2 Filter IR4F unless otherwise specified.

3 Nonfilter IRI.

4 *N*-nitrosornicotine (NNN),4-Methylnitrosoamino-1-(3-pyridinyl)-1-butanone(NNK),*N*-nitrosoanatabine (NAT),*N*-nitrosoanavasin (NAB),dimethylnitrosamine (DMNA),ethylmethylnitrosamine (EMNA),diethylnitrosamine (DENA),*N*-nitrosopyrrolidine(NPYR).

5 Calculated from NRC,1986,SS/MS ratio