

“ ”

가 12 20 25 13 25 2 13 85 가 8 1997 가 2001 6-10 4 8 (7-8) 3 , VOCs 48

< : 25 >

		(21)		(23)	
		(11)	(10)	(13)	(10)
				,	,
		,	,	,	,
		,	n-iso-	,	n-
		o-m,p-		o-m,p-	
		,		,	
VOCs			m,p-1,3,5-		m,p-1,2,4-

1, 1, 1 3 , 1, 2 3 (VOCs) 48 off-line Passive sampler , FT-IR IC on-line , GC/Olfactometry

VOCs
 11 , 13
 가 10 , 10
 12
 (10) 2 (5) 가 2
 가 가
 (10) 1
 VOCs
 가
 8 : , , , , , ,
 , Styrene

	(ppb)		
	0.07	3 27 (10)	3 47 (2)
	3	-	3 (2)
	0.032	2 (1)	-
	5.7	1 6 (4)	2 (1)
	0.068	1 15 (4)	1 7 (2)
n-	0.1	1 (2)	3 (1)
o-	0.38	1 6 (7)	5 (1)
m,p-	0.13	1 10 (6)	1 16 (2)
	1.5	1 6 (5)	2 9 (2)
	1	2 8 (3)	6 (1)
	n- : 0.41/iso- : 0.1	1 2 (4)	2 (2)
	0.55	3 85 (7)	4 5 (2)

+ : / ,

(5) (3)
 .
 . ,
 .
 2001 8 1
 , 2002 5 1 7100
 .
 ,
 2002 6
 2002 3

			(ppb)					
1			0.41	○	○			off.
2			3	○	○		●	off.
3			2.2	○	○			off.
4			0.07	○	○	●	●	off.
5			150	○	○	●	●	off. IC. Passive.
6			0.032	○	○	●	●	IC.
7			33	-	-			IC.
8			35	-	-			IC.
9				-	-			IC.
10			5.7	-	-	●	●	off. IC.
11			2.4	-	○			off. IC.
12		(n -)	0.068	-	○	●	●	off. IC.
13		n -	0.1	-	○		●	off.
14		iso-	0.053	-	○			off.
15			12	-	-			off.
16		o-	0.38	-	-	●	●	off.
17		m.p-	0.13	-	-	●	●	off.
18			500	-	-			off. IC. FT IR
19			1.5	○	○	●	●	off. IC. (FT IR)
20			1	-	○	●	●	off. IC. (FT IR)
21		n -	0.41	-	○	●	●	off. (FT IR)
22		iso-	0.1	-	○	(●)	(●)	(off.) (FT IR)
23		n -	0.67	-	○			IC. (FT IR)
24		iso-	0.35	-	○			(FT IR)
25			3.6	-	-			off. IC. (FT IR)
26			2700	-	-			off.
27			330	-	○			off.
28			170	-	-			off.
29			741	-	-			off.
30		o-	380	-	○			off.
31		m.p-	41	-	(○)			off.
32		124-	120	-	-			off.
33		135-	170	-	-			off.
34			35	○	○			
35			33000	-	-			off.
36			520	-	-			off.
37			26000	-	○			off.
38			1700	-	-			off.
39			870	-	○			off.
40		(n -)	16	-	-			off.
41			0.26	-	-			off.
42		(n -)	0.55	-	-	●	●	off.
43			210	-	-			
44			42000	-	-			off. IC.
45			440	-	-			off.
46			17	-	○			off.
47		, ,		-	-			IC.
48				-	-			FT IR
49		(,)		-	-			FT IR
50		(,)		-	-			FT IR
51		HCl		-	-			off. IC.

○ , ● , . ()