Table V.2 CarboTrap-GC/MS Analytes and Practical Quantitation Limits

Air Contaminant	PQL Found (ng)	Est. Air Conc. (mg/m3)	Guide* Value (mg/m3)	TLV/PEL** (8-hr TWA) (mg/m3)
Alkanes				
C3 hydrocarbons		0.000		asphyx.
C4 hydrocarbons		0.000		1,900
C5 hydrocarbons		0.000		1,770
C6 hydrocarbons		0.000		1,760
n-hexane		0.000		176
C7 hydrocarbons		0.000		
C8 hydrocarbons		0.000		1,400
C9 hydrocarbons		0.000		
C10 hydrocarbons		0.000		
C11 hydrocarbons		0.000		
C12 hydrocarbons		0.000		
Other hydrocarbons		0.000		
Total Alkanes		0.000	0.100	
Aromatics				
benzene	25	0.001		1.6 (A1)
toluene	25	0.001		188
ethylbenzene	25	0.001		435
m,p-xylene	25	0.001		435
o-xylene	25	0.001		435
styrene	25	0.001		85
4-ethyl toluene	25	0.001		
1,3,5-trimethylbenzene	25	0.001		122
1,2,4-trimethylbenzene	25	0.001		122
Other aromatics		0.000		
Total Aromatics	225	0.008	0.050	
Terpenes				
C10 Terpene		0.000		
Other Terpenes		0.000		
Total Terpenes	0	0.000	0.030	
Halocarbons				
dichlorodifluoromethane	25	0.001		4,950
chloromethane	25	0.001		
Freon 114	25	0.001		6,990
vinyl chloride	25	0.001		2.6 (A1)
bromomethane	25	0.001		
chloroethane	25	0.001		
Freon 11	25	0.001		5600 ceiling
cis-1,2-dichloroethene	25	0.001		1,300
Freon 113	25	0.001		7,650
methylene chloride	25	0.001		175 (A3)
trans-1,2-dichlorethene	25	0.001		790
1,1-dichloroethane	25	0.001		404
1,1-dichloroethene	25	0.001		20 (A3)
chloroform	25	0.001		50 (A3)
1,1,1-trichloroethane	25	0.001		1900
carbon tetrachloride	25	0.001		31 (A2)
1,2-dichloroethane	25	0.001		40
trichloroethene	25	0.001		270

Table V.2 CarboTrap-GC/MS Analytes and Practical Quantitation Limits

Air Contaminant	PQL Found (ng)	Est. Air Conc. (mg/m3)	Guide* Value (mg/m3)	TLV/PEL** (8-hr TWA) (mg/m3)
1,2-dichloropropane	25	0.001		345
bromodichloromethane	25	0.001		
cis-1,3-dichloropropene	25	0.001		5
trans-1,3-dichloropropene	25	0.001		5
1,1,2-trichloroethane	25	0.001		54
tetrachloroethene	25	0.001		170 (A3)
dibromochloromethane	25	0.001		
1,2-dibromoethane	25	0.001		[skin] (A3)
chlorobenzene	25	0.001		46 (A3)
bromoform	25	0.001		5 (A3)
1,1,2,2-tetrachloroethane	25	0.001		7 (A3)
benzyl chloride	25	0.001		5 (A3)
1,3-dichlorobenzene	25	0.001		
1,4-dichlorobenzene	25	0.001		60 (A3)
1,2-dichlorobenzene	25	0.001		150
1,2,4-trichlorobenzene	25	0.001		37 ceiling
hexachlorobutadiene	25	0.001		0.2 (A3)
Other halocarbons		0.000		
Total Halocarbons		0.029	0.030	
Esters				
vinyl acetate	25	0.001		35 (A3)
Other esters		0.000		n/a
Total Esters	25	0.001	0.020	
Aldehydes & Ketones				
acetone	25	0.001		1,180
2-butanone	25	0.001		590
4-methyl, 2-pentanone	25	0.001		204
2-hexanone	25	0.001		20
acetaldehyde		0.000		45 ceil (A3)
2-propenal, 2-methyl		0.000		
Total Alds. & Ketones	100	0.003	0.020	
Other				
carbon disulfide	25	0.001		31
methyl t-butyl ether	25	0.001		144 (A3)
ethanol		0.000		1900
2-propanol		0.000		980
Other		0.000		
Total Other	50	0.002	0.050	
TOTAL VOC's	425	0.043	0.300	

* From Seifert: achievable indoor levels that if met are unlikely to result in IAQ complaints or s

** ACGIH Threshold Limit Value or OSHA PEL, whichever is lower. A1=confirmed human c
A2=suspected human carcinogen; A3=confirmed animal carcinogen with unknown releva