

NEW ENVIRONMENTAL METROLOGY ON VOC OZONE PRECURSORS IN AMBIENT AIR

Franck AMIET, Michel ROBERT

airmOzone Cabinet : 33 U

R&D department, Chromatotec Company, 33240 Saint Antoine , France



AirmCAL 4U: XXX922

airmOZOC C6-C12 5U : A21022
or supervisor

1U rack with mouse and key board

airmOZOC C2-C6 4U : A11000
4U (option)

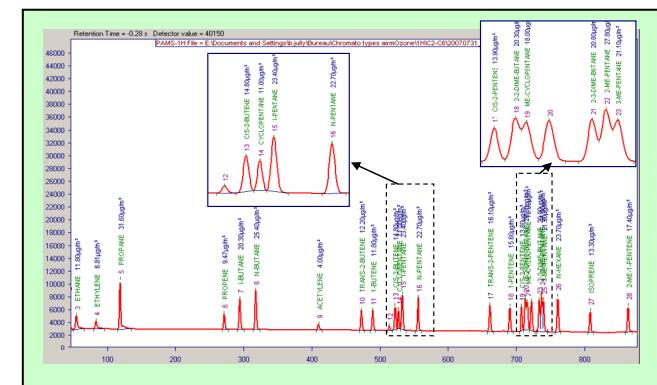
airmOZOC C2-C6 4U : A11000

Hydroxchrom
(H₂ generator 3U: XXX916

airmOPURE (zero air generator)
XXX031
and 2 sampling pumps XXX901

Substance Table (including RT and RF) and Chromatogram referring to 56 VOC PAMS list for C2-C6 instrument (24 compounds)

#	Name	RT Min	RT Max	Alarm Min	Alarm Max	Factor
1.	ETHANE	51.00	61.00	0.00	9999.00	1.00
2.	1,3-BUTADIENE	51.00	90.00	0.00	9999.00	1.00
3.	PROPANE	115.00	125.00	0.00	9999.00	1.00
4.	PROPENE	260.00	270.00	0.00	9999.00	0.96
5.	1-BUTANE	290.00	300.00	0.00	9999.00	1.00
6.	N-BUTANE	314.00	324.00	0.00	9999.00	1.00
7.	ACETYLENE	425.00	435.00	0.00	9999.00	0.95
8.	1,3-DISUBTENES	465.00	475.00	0.00	9999.00	0.95
9.	1-BUTENE	480.00	490.00	0.00	9999.00	0.96
10.	CIS-2-BUTENE	515.00	525.00	0.00	9999.00	0.96
11.	CYCLOPENTANE	523.00	533.00	0.00	9999.00	1.00
12.	1-PENTANE	530.00	540.00	0.00	9999.00	1.00
13.	2-PENTANE	550.00	560.00	0.00	9999.00	1.00
14.	TRANS-2-PENTENE	560.00	570.00	0.00	9999.00	0.96
15.	1-PENTENE	685.00	693.00	0.00	9999.00	0.96
16.	CIS-2-PENTENE	700.00	708.00	0.00	9999.00	0.96
17.	2,2-DIMETHY-BUTANE	709.00	714.00	0.00	9999.00	1.00
18.	ME-CYCLOPENTANE	714.00	716.00	0.00	9999.00	1.00
19.	2,3-DIMETHY-BUTANE	720.00	724.00	0.00	9999.00	1.00
20.	ME-PENTANE	728.00	730.00	0.00	9999.00	1.00
21.	2-ME-1-PENTANE	730.00	740.00	0.00	9999.00	1.00
22.	N-HEXANE	755.00	765.00	0.00	9999.00	1.00
23.	ISOPRENE	803.00	813.00	0.00	9999.00	1.00
24.	2-ME-1-PENTENE	858.00	868.00	0.00	9999.00	1.00



Substance Table (including RT and RF) and Chromatogram referring to 56 VOC PAMS list for C6-C12 instrument (31 compounds)

#	Name	RT Min	RT Max	Alarm Min	Alarm Max	Factor
1.	2,4-DIME-PENTANE	196.00	205.00	0.00	9999.00	1.00
2.	BENZENE	238.00	248.00	0.00	9999.00	1.00
3.	CYCLOHEXANE	255.00	265.00	0.00	9999.00	1.00
4.	2,3-DIMEC-2MEC	280.00	285.00	0.00	9999.00	1.00
5.	1,3-DIMETHYL-1-PHEN	307.00	310.00	0.00	9999.00	1.00
6.	224-THE-PENTANE	333.00	343.00	0.00	9999.00	1.10
7.	N-HEPTANE	363.00	373.00	0.00	9999.00	1.10
8.	ME-CYCLOHEXANE	425.00	430.00	0.00	9999.00	1.10
9.	2,4-DIME-PENTANE	430.00	440.00	0.00	9999.00	1.10
10.	TOLUENE	530.00	540.00	0.00	9999.00	1.05
11.	2-ME-HEPTANE	572.00	582.00	0.00	9999.00	1.10
12.	3-ME-HEPTANE	693.00	693.00	0.00	9999.00	1.10
13.	1,3-DIMETHYL-1-PHEN	697.00	697.00	0.00	9999.00	1.10
14.	ETHYL-BENZENE	767.00	767.00	0.00	9999.00	1.10
15.	MIP-XYLINES	795.00	793.00	0.00	9999.00	1.10
16.	STYRENE	817.00	826.00	0.00	9999.00	1.10
17.	OXYLENE	826.00	836.00	0.00	9999.00	1.10
18.	1,3-DIMETHYL-1-PHEN	840.00	840.00	0.00	9999.00	1.10
19.	1-PROPYLBENZENE	884.00	894.00	0.00	9999.00	1.09
20.	N-PROPYLBENZENE	930.00	940.00	0.00	9999.00	1.09
21.	METHYL-TOLUENE	940.00	947.00	0.00	9999.00	1.04
22.	2-METHYL-TOLUENE	947.00	953.00	0.00	9999.00	1.04
23.	1,3-DIMETHYL-1-PHEN	955.00	955.00	0.00	9999.00	1.14
24.	0-ETHYL-TOLUENE	970.00	990.00	0.00	9999.00	1.08
25.	2,2-TMA	990.00	1000.00	0.00	9999.00	1.15
26.	N-ECAINE	1010.00	1020.00	0.00	9999.00	1.10
27.	123-TMB	1040.00	1040.00	0.00	9999.00	1.14
28.	1,3-DIMETHY-BENZENE	1060.00	1080.00	0.00	9999.00	1.17
29.	P-DIEETHYL-BENZENE	1070.00	1080.00	0.00	9999.00	1.18
30.	N-UNDECANE	1130.00	1140.00	0.00	9999.00	1.20
31.	N-DODECANE	1240.00	1250.00	0.00	9999.00	1.20

