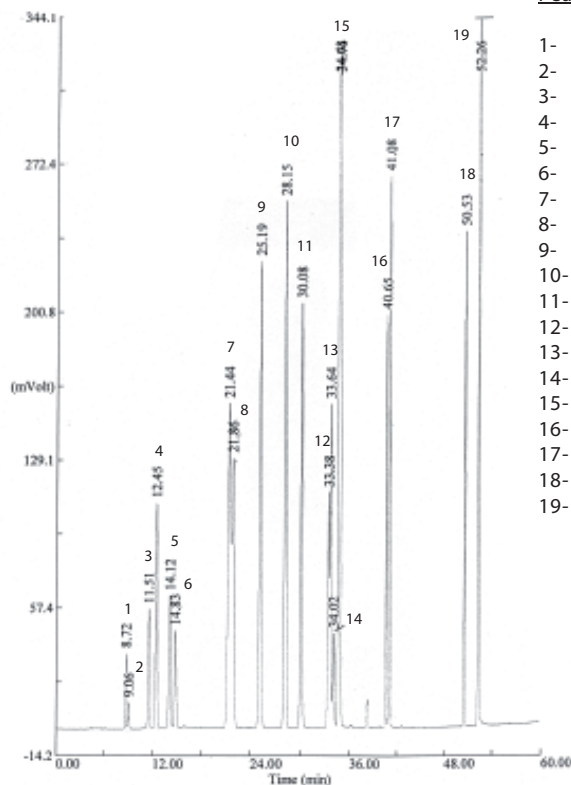


ANALYSIS OF SOLVENTS

Column: **TRB-WAX**, P/N TR-142065
 Dimensions: 60m x 0.53mm x 2.0µm
 Injection: wet needle, split, 250°C
 Carrier gas: H₂, constant pressure 4 psi (27.6 KPa).
 Oven program: 55°C(20min) @ 3°C/min to 220°C(15min)
 Detector: FID, 260°C

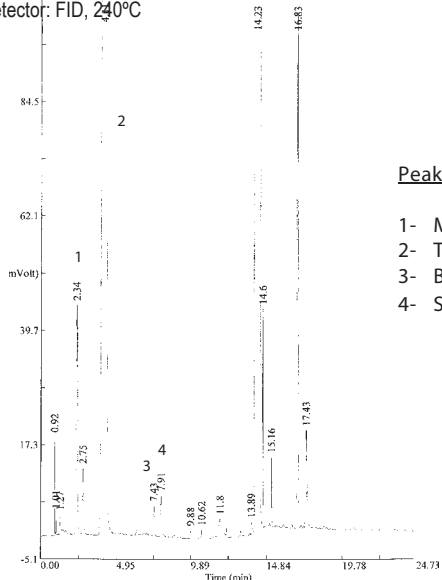


Peak Name

- 1- Acetone
- 2- Methyl acetate
- 3- Ethyl acetate
- 4- Methanol + MEK
- 5- Isopropanol
- 6- Ethanol
- 7- MIKB
- 8- Methoxypropyl acetate
- 9- Isobutyl acetate
- 10- Toluene
- 11- Methoxypropanol
- 12- n-butyl acetate
- 13- Isobutanol
- 14- n-butanol
- 15- p,m-xylenes
- 16- o-xylene
- 17- Ethylglycol
- 18- Diacetone alcohol
- 19- Butyl glycol

SEPARATION OF MONOMERS IN PAINTS

Column: **Meta .WAX**, P/N TR-811035
 Dimensions: 30m x 0.53mm x 1.0µm
 Injection: 1µL Monomers mixture (20ppm, 100ppm toluene in DMSO), split 1:50, 240°C
 Carrier gas: He, 4 psi (27.6 KPa)
 Oven temperature: 40°C(5min) @ 15°C/min to 180°C(15min)
 Detector: FID, 240°C

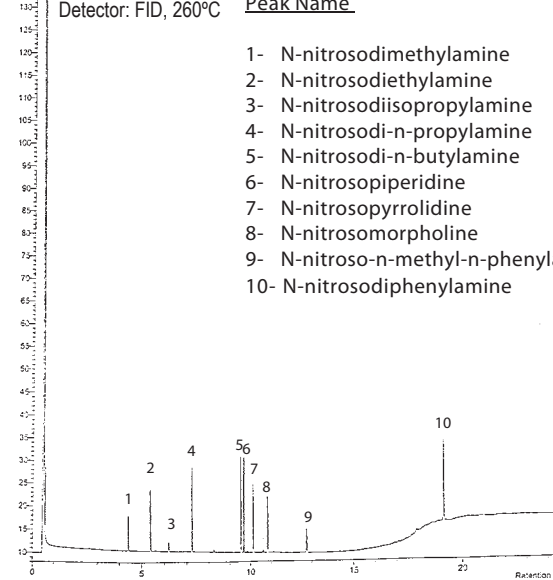


Peak Name

- 1- Methyl acrylate
- 2- Toluene
- 3- Butyl acrylate
- 4- Styrene

SEPARATION OF NITROSOAMINES

Column: **TR-WAX DB**, P/N TR-932112
 Dimensions: 15m x 0.25mm x 0.20µm
 Injection: 1µL standard 100 ppm in n-hexane, split 1:10, 260°C
 Carrier gas: H₂, constant pressure 8 psi (55.1 KPa)
 Oven temperature: 50°C(2min) @ 10°C/min to 150°C @ 15°C/min to 240°C(10min)
 Detector: FID, 260°C

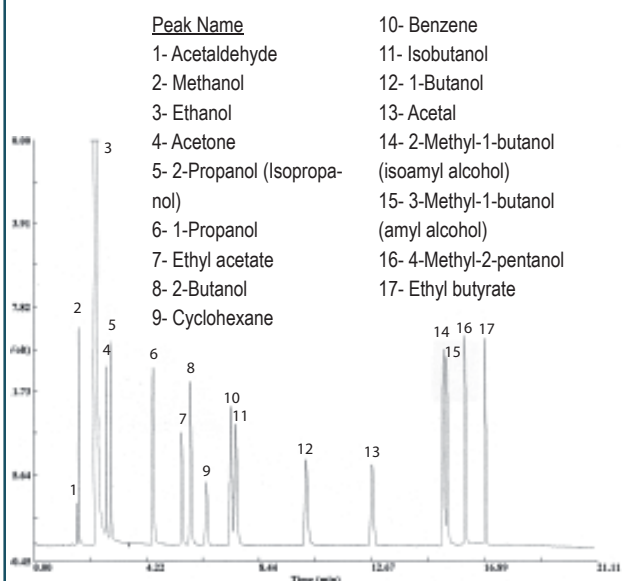


Peak Name

- 1- N-nitrosodimethylamine
- 2- N-nitrosodiethylamine
- 3- N-nitrosodiisopropylamine
- 4- N-nitrosodi-n-propylamine
- 5- N-nitrosodi-n-butylamine
- 6- N-nitrosopiperidine
- 7- N-nitrosopyrrolidine
- 8- N-nitrosomorpholine
- 9- N-nitroso-n-methyl-n-phenylamine
- 10- N-nitrosodiphenylamine

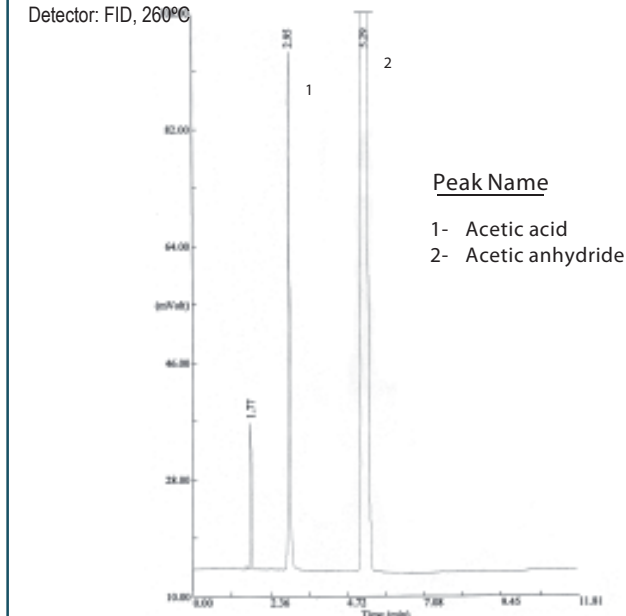
SEPARATION OF SOLVENTS

Column: **TRB-624**, P/N TR-601833
 Dimensions: 30m x 0.32mm x 1.8µm
 Injection: 0.5µL standard in Ethanol/H2O (96:4), split 1:5, 260°C
 Carrier gas: He, constant pressure 6.8 psi (46.9 KPa).
 Oven temperature: 40°C(12min) @ 10°C/min to 200°C(10min)
 Detector: FID, 260°C



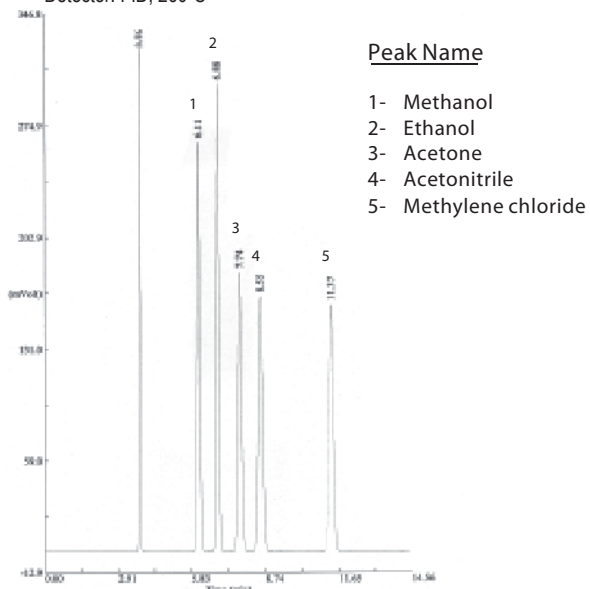
SEPARATION OF ACETIC ACID AND ACETIC ANHYDRIDE

Column: **TRB-1**, P/N TR-115035
 Dimensions: 30m x 0.53mm x 5.0µm
 Injection: wet needle (solvent mixture), split 1:100, 200°C
 Carrier gas: H2, constant pressure 3 psi (20.7 KPa).
 Oven program: 90°C
 Detector: FID, 260°C



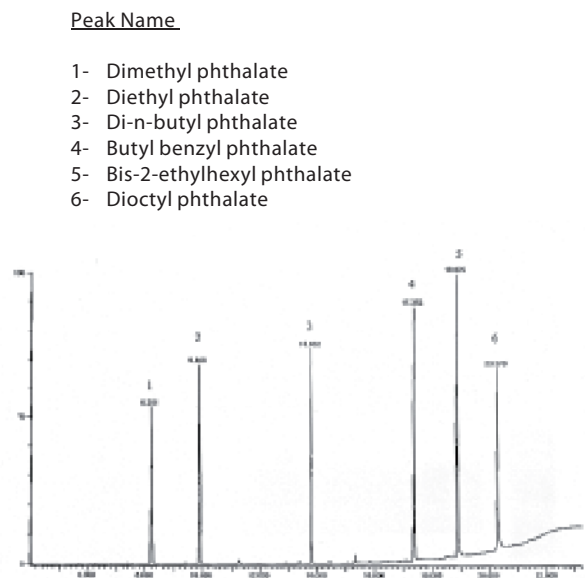
SEPARATION OF SOLVENTS

Column: **TRB-1**, P/N TR-117065
 Dimensions: 60m x 0.53mm x 7.0µm
 Injection: wet needle (solvent mixture), split 1:100, 260°C
 Carrier gas: He, constant pressure 6 psi (41.3 KPa).
 Oven program: 32°C (isothermal)
 Detector: FID, 260°C



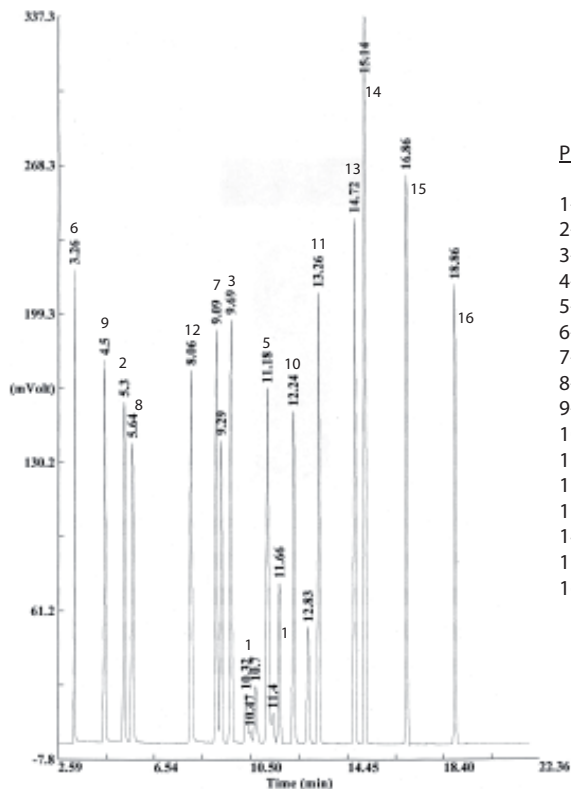
SEPARATION OF PAE (PHTHALATE ALKYL ESTER) MIX EPA

Column: **Meta. X5**, P/N TR-820232
 Dimensions: 30m x 0.25mm x 0.25µm
 Injection: 1 µL standard (7.1ng/g in Hexane), 250°C
 Carrier gas: H2, constant pressure 12 psi (82.7 KPa).
 Oven temperature: 100°C(1min) @ 10°C/min to 310°C(5min)
 Detector: FID, 310°C



SEPARATION OF SOLVENTS

Column: **TRB-624**, P/N TR-603075
 Dimensions: 75m x 0.53mm x 3.0µm
 Injection: 0.2µL, split 1:5, 260°C
 Carrier gas: H2, constant pressure 7.8 psi (53.74 KPa).
 Oven temperature: 40°C(5min) @ 7°C/min to 240°C
 Detector: FID, 280°C



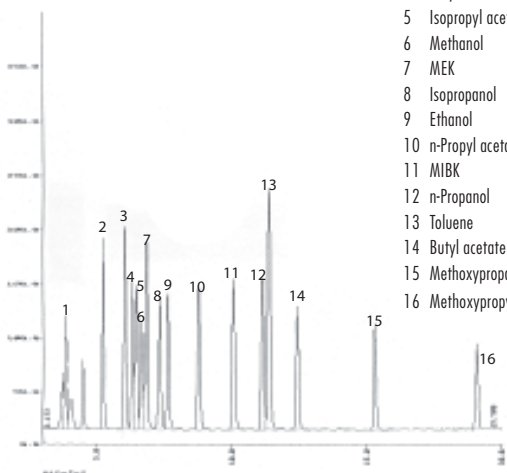
- Peak Name**
- 1- Heptane
 - 2- Acetone
 - 3- Tetrahydrofurane
 - 4- Ethyl acetate
 - 5- Isopropyl acetate
 - 6- Methanol
 - 7- MEK
 - 8- Isopropanol
 - 9- Ethanol
 - 10- n-Propyl acetate
 - 11- MIBK
 - 12- n-Propanol
 - 13- Toluene
 - 14- Butyl acetate
 - 15- Methoxypropanol
 - 16- Methoxypropyl acetate

SEPARATION OF SOLVENTS

Column: **TRB-WAX**, P/N TR-141253
 Dimensions: 50m x 0.32mm x 1.2µm
 Injection: 1 µL standard (500 ng/mL comp.), split 1:25, 260°C
 Carrier gas: He, constant pressure 12 psi (82.7 Kpa)
 Oven temperature: 65°C(7min) @ 4°C/min to 117°C
 Detector: FID, 260°C

Chromatogram provided by
 Jaume Piedrabuena from Danisco

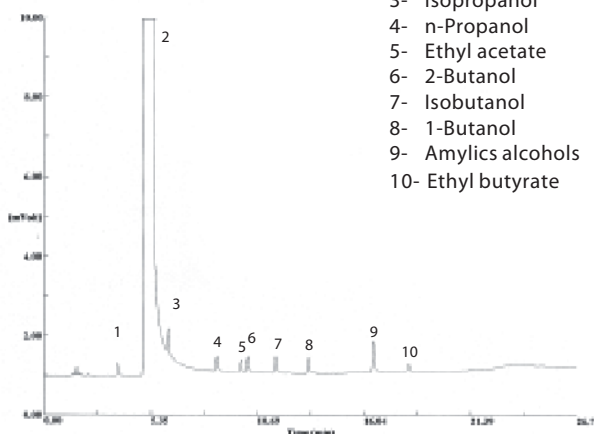
- Peak Name**
- 1 Heptane (isomers mixture)
 - 2 Acetone
 - 3 Tetrahydrofurane
 - 4 Ethyl acetate
 - 5 Isopropyl acetate
 - 6 Methanol
 - 7 MEK
 - 8 Isopropanol
 - 9 Ethanol
 - 10 n-Propyl acetate
 - 11 MIBK
 - 12 n-Propanol
 - 13 Toluene
 - 14 Butyl acetate
 - 15 Methoxypropanol
 - 16 Methoxypropyl acetate



IMPURITIES OF ETHANOL

Column: **TRB-G43**, P/N TR-163035
 Dimensions: 30m x 0.53mm x 3.0µm
 Injection: 1µL standard alcohols (20 ppm/comp), split 1:5, 200°C
 Carrier gas: He, constant pressure 2.6 psi (17.9 KPa).
 Oven temperature: 42°C(4min) @ 5°C/min to 140°C(4min)
 Detector: FID, 200°C

- Peak Name**
- 1- Methanol
 - 2- Ethanol
 - 3- Isopropanol
 - 4- n-Propanol
 - 5- Ethyl acetate
 - 6- 2-Butanol
 - 7- Isobutanol
 - 8- 1-Butanol
 - 9- Amylics alcohols
 - 10- Ethyl butyrate



CHLORINATED PESTICIDES

Column: **Meta.X5**, P/N TR-820232

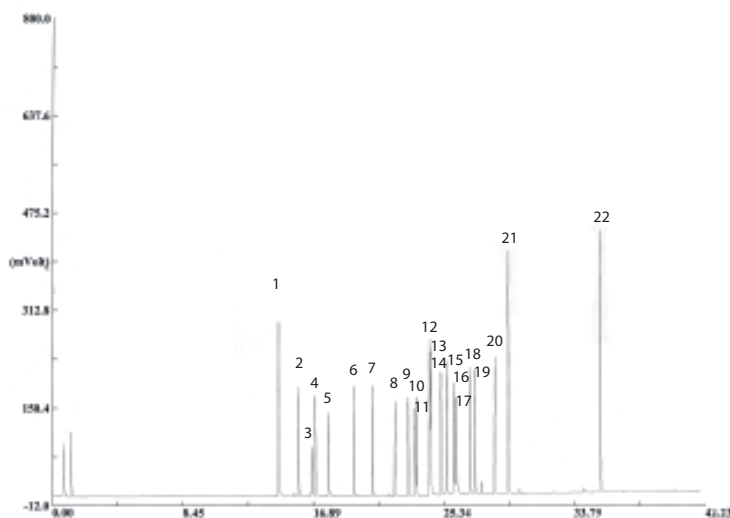
Dimensions: 30m x 0.25mm x 0.25µm

Injection: 1µL chlorinated pesticide mix, splitless (0,5 min), 250°C (50-170 ppb oncolumn)

Carrier gas: H2, constant pressure 20 psi (137.8 KPa)

Oven program: 80°C (5min) to 100°C @ 15°C/min to 160°C @ 8°C/min to 285°C(5min) @ 5°C/min

Detector: ECD, 310°C



Peak Name

- 1 tetrachloro-m-xylene
- 2 alpha-BHC
- 3 beta-BHC
- 4 gamma-BHC
- 5 delta-BHC
- 6 heptachlor
- 7 aldrin
- 8 heptachlor epoxide
- 9 gamma-chlordane
- 10 endosulfan I
- 11 alpha-chlordane
- 12 dieldrin
- 13 4,4'-DDE
- 14 endrin
- 15 endosulfan II
- 16 4,4'-DDD
- 17 endrin aldehyde
- 18 endosulfan sulfate
- 19 4,4'-DDT
- 20 endrin ketone
- 21 methoxychlor
- 22 decachlorobiphenyl

CHLORINATED PESTICIDES

Column: **TRB-5MS**, P/N TR-520232

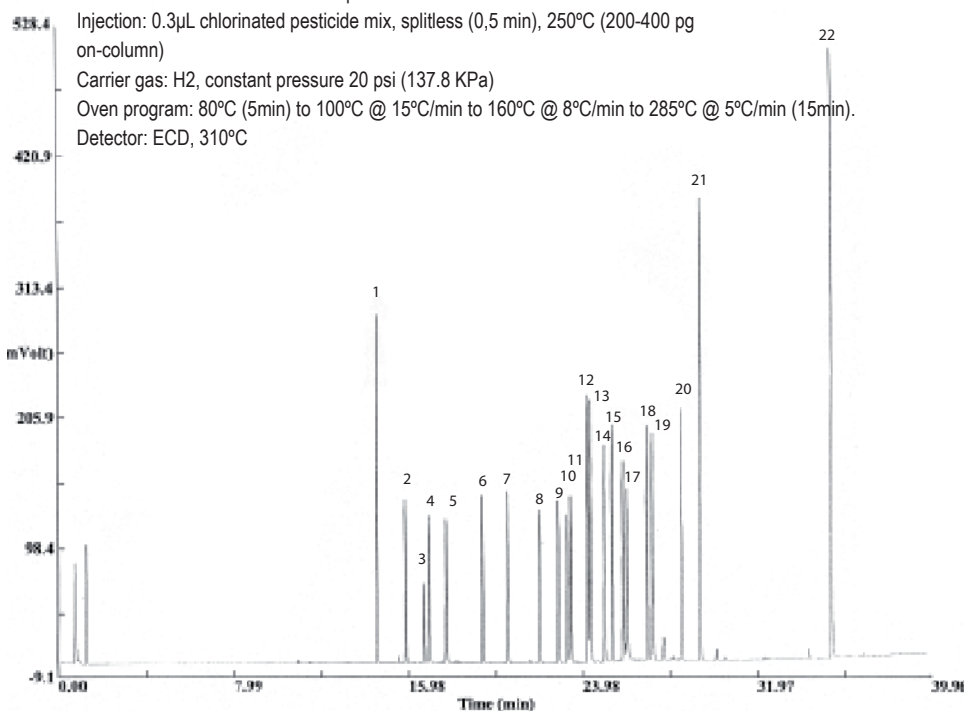
Dimensions: 30m x 0.25mm x 0.25µm

Injection: 0.3µL chlorinated pesticide mix, splitless (0,5 min), 250°C (200-400 pg on-column)

Carrier gas: H2, constant pressure 20 psi (137.8 KPa)

Oven program: 80°C (5min) to 100°C @ 15°C/min to 160°C @ 8°C/min to 285°C @ 5°C/min (15min).

Detector: ECD, 310°C



Peak Name

- 1 tetrachloro-m-xylene
- 2 alpha-BHC
- 3 beta-BHC
- 4 gamma-BHC
- 5 delta-BHC
- 6 heptachlor
- 7 aldrin
- 8 heptachlor epoxide
- 9 gamma-chlordane
- 10 endosulfan I
- 11 alpha-chlordane
- 12 dieldrin
- 13 4,4'-DDE
- 14 endrin
- 15 endosulfan II
- 16 4,4'-DDD
- 17 endrin aldehyde
- 18 endosulfan sulfate
- 19 4,4'-DDT
- 20 endrin ketone
- 21 methoxychlor
- 22 decachlorobiphenyl

CHLORINATED PESTICIDES



Column: **Meta.X5**, P/N TR-820232

Dimensions: 30m x 0.25mm x 0.25µm

Injection: 0,5µL chlorinated pesticide mix, splitless, 230°C (160-320 ppb on-column)

Carrier gas: Helium, constant flow 1.5mL/min.

Oven program: 100°C (0.5min) to 150°C @ 25°C/min to 260°C @ 12°C/min to 300°C @ 15°C/min (0.5min).

Detector: ECD, 310°C

Peak Name

- 1 tetrachloro-m-xylene
- 2 alpha-BHC
- 3 beta-BHC
- 4 gamma-BHC
- 5 delta-BHC
- 6 heptachlor
- 7 aldrin
- 8 heptachlor epoxide
- 9 gamma-chlordane
- 10 endosulfan I
- 11 alpha-chlordane
- 12 dieldrin
- 13 4,4'-DDE
- 14 endrin
- 15 endosulfan II
- 16 4,4'-DDD
- 17 endrin aldehyde
- 18 endosulfan sulfate
- 19 4,4'-DDT
- 20 endrin ketone
- 21 methoxychlor
- 22 decachlorobiphenyl

ALDEHYDES IN AIR SAMPLE

Column: **TRB-5**, P/N TR-120232

Dimensions: 30m x 0.25mm x 0.25µm

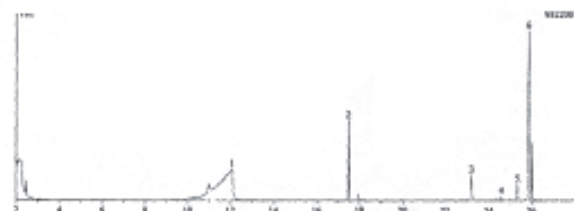
Injection: 1µL Aldehydes in Air Sample after extraction (derivatized with DNPH), splitless (1 min), 250°C

Carrier gas: He, constant flow 1 mL/min

Oven temperature: 50°C(1min) @ 10°C/min to 300°C

Detector: MS, 280°C (transfer line)

Chromatogram provided by F. Sisteré from IUCT



Peak Name

- 1- Glycerine
- 2- Dinitrobenzene
- 3- Formaldehyde-DNPH
- 4- Acetaldehyde-DNPH
- 5- Propanaldehyde-DNPH
- 6- 2,4-Dinitrophenylhydrazine (DNPH)

SEPARATION OF BTEX ISOMERS

Column: **TRB-624**, P/N TR-601833

Dimensions: 30m x 0.32mm x 1.8µm

Injection: 1µL BTEX sample (50 ppm on column), 260°C

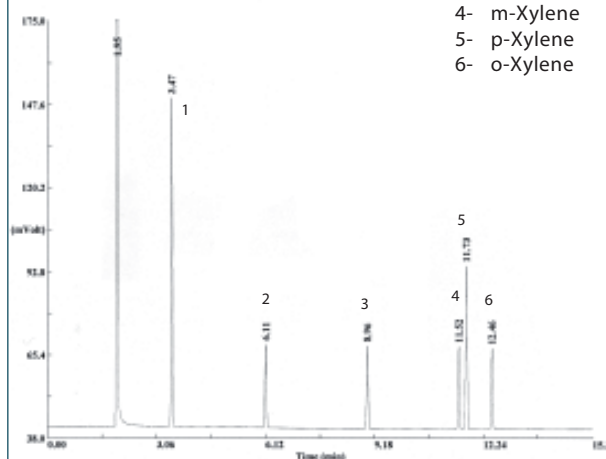
Carrier gas: H2, 6.9 psi (47.9 KPa)

Oven temperature: 40°C @ 8°C/min to 240°C(10min)

Detector: FID, 260°C

Peak Name

- 1- Benzene
- 2- Toluene
- 3- Ethylbenzene
- 4- m-Xylene
- 5- p-Xylene
- 6- o-Xylene



OPTIMUM RESOLUTION IN SEMIVOLATILE COMPOUNDS ANALYSIS

Column: **META.X5**, P/N TR-820532

Dimensions: 30m x 0.25mm x 0.50µm

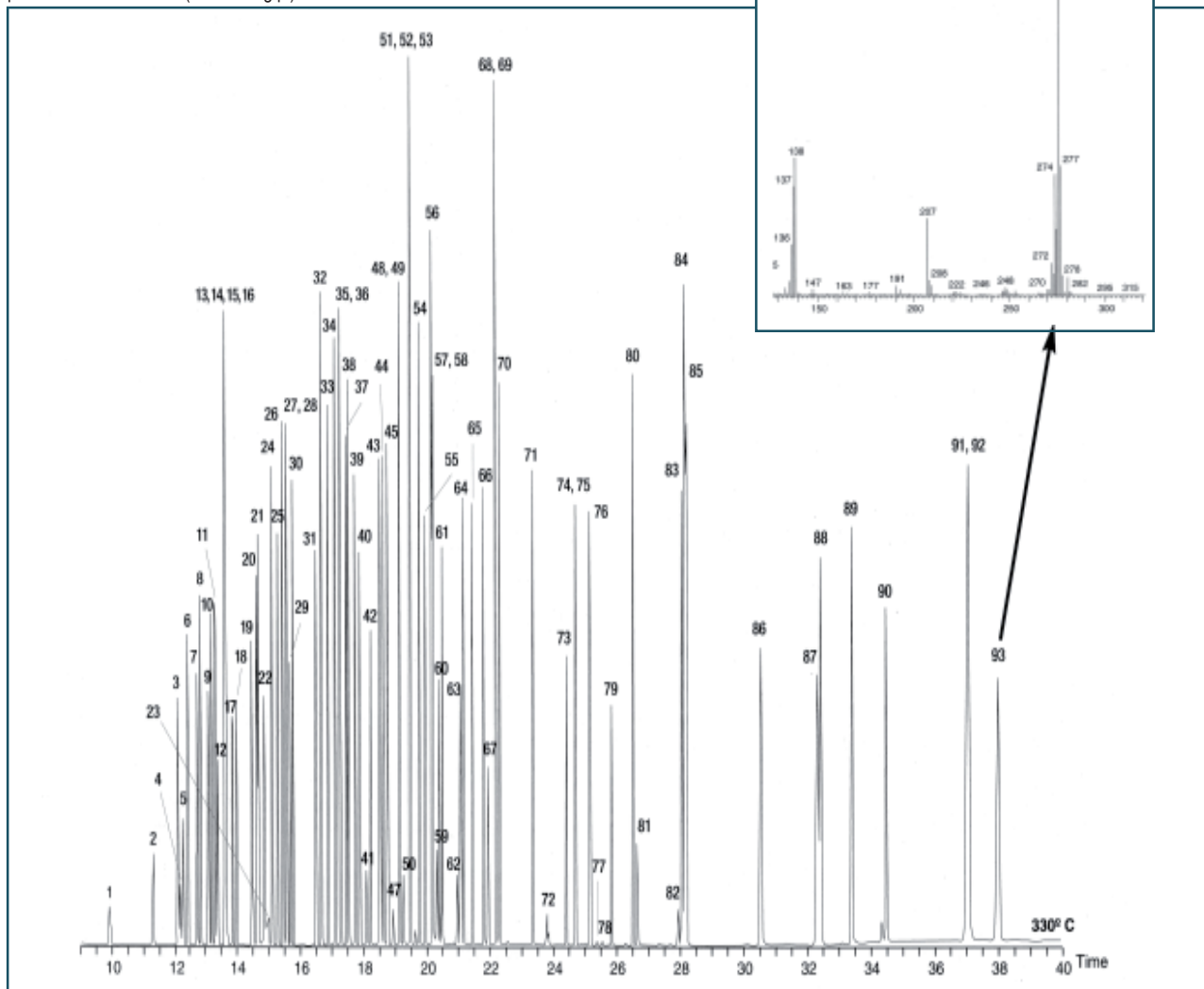
Injection: 0,3 µl, splitless, 1min. 300°C

Carrier gas: He, 0,9ml/min. constant flow

Oven temperature: 35°C (2') to 260°C @ 20°C/min. to 330°C(1min) @ 2°C/min.

Detector: MS, full scan 35-450 AMU, 310°C transfer line

Sample: EPA 8270 standard (150/200 ng/µl)



Peak Name	15- Acetophenone	35- Hexachlorocyclopentadiene	55- Diethyl phtalate	75- Benzidine
1- Methyl methanesulfonate	16- N-nitroso-di-n-propylamine	36- 1,2,4,5-Tetrachlorobenzene	56- 4-Chlorophenyl phenyl ether	76- Pyrene
2- Ethyl methanesulfonate	17- Hexachloroethane	37- 2,4,6-Trichlorophenol	57- Fluorene	77- Aramite B
3- Phenol	18- Nitrobenzene	38- 2,4,5-Trichlorophenol	58- 4-Nitroaniline	78- Aramite A
4- Aniline	19- Isophorone	39- Isosafrole (cis&trans)	59- 4,6-Dinitro-2methylphenol	79- Chlorobenzilate
5- bis (2-Chloroethyl) ether	20- 2-Nitrophenol	40- 2-Chloronaphthalene	60- Diphenylamine	80- Butyl benzyl phtalate
6- 2-Chlorofenol	21- 2,4-Dimethylphenol	41- 2-Nitroaniline	61- Azobenzene	81- Kepone
7- 1,3-Dichlorobenzene	22- bis(2-Chloroethoxy)methane	42- 1,4-Naphthoquinone	62- 1,3,5-Trinitrobenzene	82- 3,3'-Dichlorobenzidine
8- 1,4-Dichlorobenzene	23- Benzoic acid	43- Dimethylphtalate	63- Phenacetin	83- Benzo (a) anthracene
9- Benzyl alcohol	24- 2,4-Dichlorophenol	44- 1,3-Dinitrobenzene	64- 4-Bromophenyl phenyl ether	84- bis (2-Ethylhexyl) phtalate
10- 1,2-Dichlorobenzene	25- 1,2,4-Trichlorobenzene	45- 2,6-Dinitrotoluene	65- Hexachlorobenzene	85- Chrysene
11- 2-Methylphenol	26- Naphtalene	46- Acenaphthylene	66- Pentachlorophenol	86- Di-n-octyl phtalate
12- bis(2-Chloroisopropyl)ether	27- 4-Chloraniline	47- 3-Nitroaniline	67- Pentachloronitrobenzene	87- Benzo (b) fluoranthene
13- 4-Methyl phenol	28- 2,6-Dichlorophenol	48- Acenaphthene	68- Dinoseb	88- Benzo (k) fluoranthene
14- 3-Methyl phenol	29- Hexachloropropene	49- 2,4-Dinitrophenol	69 Phenantrene	89- Benzo (a) pyrene
The low level of bleeding at 330°C will allow the quantification of Benzo (ghi) perylene (M/Z 276) at the traces level.	30- Hexachloro-1, 3-butadiene	50- 4-Nitrophenol	70 Anthracene	90- 3-Methylchlorantrene
	31- 4-Chloro-3-methylphenol	51- Pentachlorobenzene	71 Di-n-butylphtalate	91- Indeno (1,2,3-cd) pyrene
	32-Safrole	52- 2,4-Dinitrotoluene	72- 4-Nitroquinoline-n-oxide	92- Dibenz (a,h) anthracene
	33- 1-Methylnaphthalene	53- Dibenzofuran	73- Isodrin	93- Benzo (g,h,i) perylene
	34- 2-Methylnaphthalene	54- 2,3,4,6-Tetrachlorophenol	74- Fluoranthene	

PESTICIDES ANALYSIS

Column: **Meta X5** P/N TR-820232

Dimensions: 30m x 0.25mm x 0.25µm

Injection: 1.0 µl standard, 10 ppm in Isooctane, splitless, 250°C

Carrier gas: He, constant pressure, 9 psi (62 kPa)

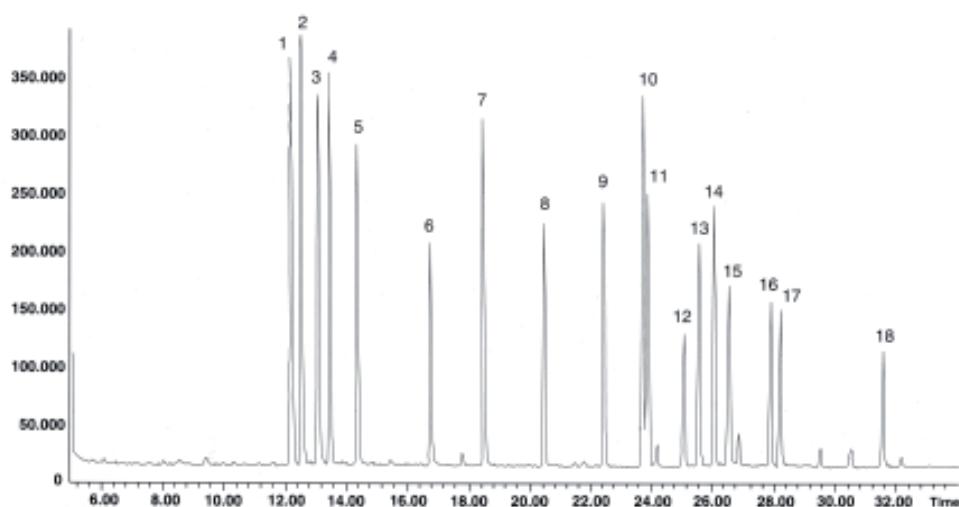
Oven program: 100°C (3,1min.) to 170°C @ 50°C/min. to 300°C(5,6min.) @ 5°C/min.

Detector: MSD @ 280°C, scan 50-500 amus

Chromatogram supplied by J. Díaz from Chromatography Department, IQS.

Peak Name

- 1- ?-Hexachlorocyclohexane
- 2- Hexachlorobenzene
- 3- ?-Hexachlorobenzene
- 4- ?-Hexachlorocyclohexane
- 5- Heptachlor
- 6- ?-Hexachlorocyclohexane
- 7- Aldrin
- 8- Heptachlor epoxide
- 9- Endosulfan I
- 10- p,p'-DDE
- 11- Dieldrin
- 12- Endrin
- 13- Endosulfan II
- 14- p,p'-DDD
- 15- Endrin Aldehyde
- 16- Endosulfan sulfate
- 17- p,p'-DDT
- 18- Metoxychlor



PURIFIER SLUDGE ANALYSIS

Column: **Meta X5** P/N TR-820232

Dimensions: 30m x 0.25mm x 0.25µm

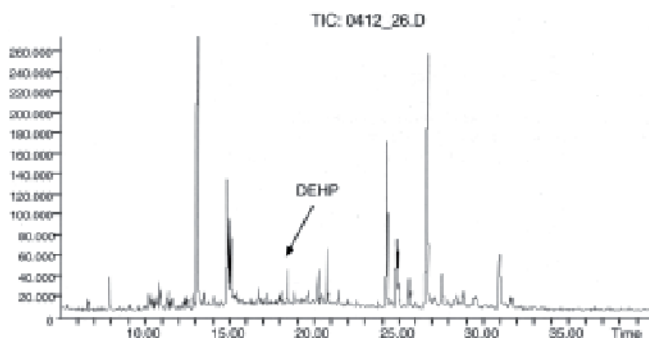
Injection: 2.0 µl standard (split 1:50), 280°C

Carrier gas: He, 9 psi (62 kPa)

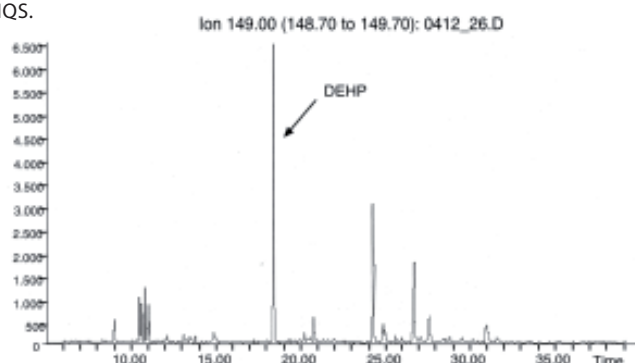
Oven temperature: 120°C (1min.) to 300°C (21min.) @ 10°C/min.

Detector: MS, full scan 50-550 amu, 280°C

Sample: Urban purifier sludge (250ppm di (2-ethylhexyl) phthalate, DEHP)



Chromatogram from B. Bagó, J. Díaz. Chromatography Dep. IQS.

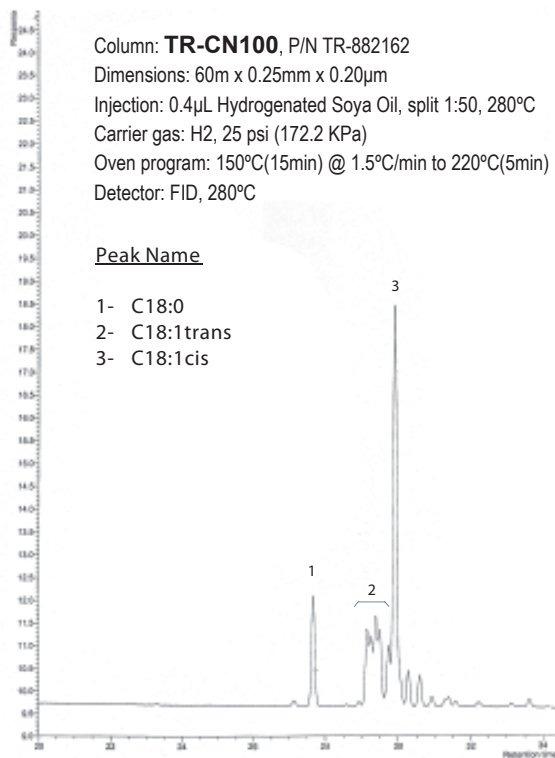


HYDROGENATED SOYA OIL

Column: **TR-CN100**, P/N TR-882162
 Dimensions: 60m x 0.25mm x 0.20µm
 Injection: 0.4µL Hydrogenated Soya Oil, split 1:50, 280°C
 Carrier gas: H₂, 25 psi (172.2 KPa)
 Oven program: 150°C(15min) @ 1.5°C/min to 220°C(5min)
 Detector: FID, 280°C

Peak Name

- 1- C18:0
- 2- C18:1trans
- 3- C18:1cis

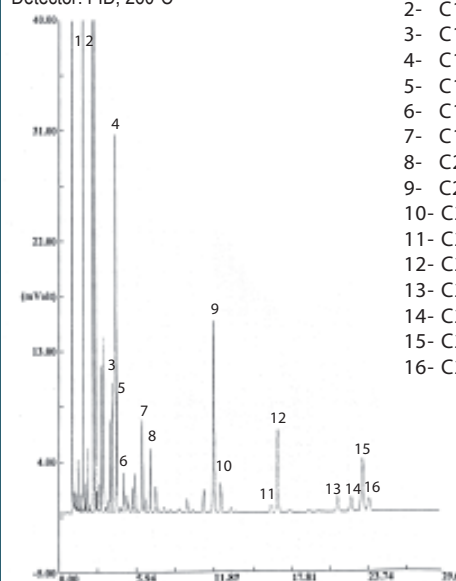


SEPARATION OF FAMES

Column: **TR-WAXOmega**, P/N TR-840233
 Dimensions: 30m x 0.32mm x 0.25µm
 Injection: 1µL test SP-4-8476, split 1:90, 250°C
 Carrier gas: H₂, 9.5 psi (65.4 KPa)
 Oven temperature: 200°C (Isothermal)
 Detector: FID, 260°C

Peak Name

- 1- C14:0
- 2- C16:0
- 3- C18:0
- 4- C18:1n9
- 5- C18:1n7
- 6- C18:2n6
- 7- C18:4n3
- 8- C20:0
- 9- C20:5n3 (EPA)
- 10- C22:0
- 11- C21:5n3
- 12- C23:0
- 13- C22:5n3
- 14- C24:0
- 15- C22:6n3 (DHA)
- 16- C24:1n9

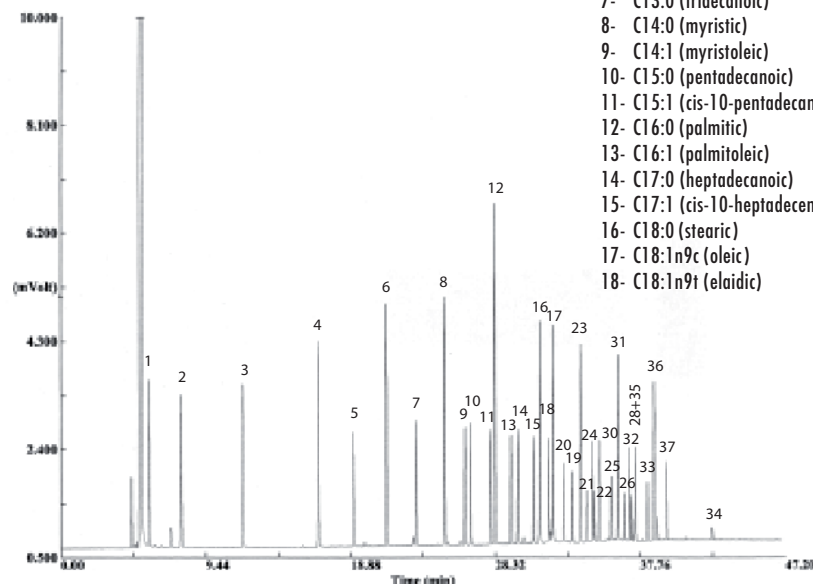


SEPARATION OF FAMES

Column: **TR-CN100**, P/N TR-882162
 Dimensions: 60m x 0.25mm x 0.20µm
 Injection: 1µL SP-47885 (10 mg/mL), split 1:100, 260°C
 Carrier gas: He, 20.15 cm/s at 185°C
 Oven program: 90°C(7min) @ 5°C/min to 240°C(15min)
 Detector: FID, 260°C

Peak Name

- 1- C4:0 (butyric)
- 2- C6:0 (caproic)
- 3- C8:0 (caprylic)
- 4- C10:0 (capric)
- 5- C11:0 (undecanoic)
- 6- C12:0 (lauric)
- 7- C13:0 (tridecanoic)
- 8- C14:0 (myristic)
- 9- C14:1 (myristoleic)
- 10- C15:0 (pentadecanoic)
- 11- C15:1 (cis-10-pentadecanoic)
- 12- C16:0 (palmitic)
- 13- C16:1 (palmitoleic)
- 14- C17:0 (heptadecanoic)
- 15- C17:1 (cis-10-heptadecenoic)
- 16- C18:0 (stearic)
- 17- C18:1n9c (oleic)
- 18- C18:1n9t (elaidic)
- 19- C18:2n6c (linoleic)
- 20- C18:2n6t (linolelaidic)
- 21- C18:3n6 (?-linolenic)
- 22- C18:3n3 (?-linolenic)
- 23- C20:0 (arachidic)
- 24- C20:1n9 (cis-11-eicosenoic)
- 25- C20:2 (cis-11,14-eicosadienoic)
- 26- C20:3n6 (cis-8,11,14-eicosatrienoic)
- 27- C20:3n3 (cis-11,14,17-eicosatrienoic)
- 28- C20:4n6 (arachidonic)
- 29- C20:5n3 (cis-5,8,11,14,17-eicosapentaenoic)
- 30- C21:0 (hencosanoic)
- 31- C22:0 (behenic)
- 32- C22:1n9 (erucic)
- 33- C22:2 (cis-13,16-docosadienoic)
- 34- C22:6n3 (cis-4,7,10,13,16,19-docosahexaenoic)
- 35- C23:0 (tricosanoic)
- 36- C24:0 (lignoceric)
- 37- C24:1n9 (nervonic)



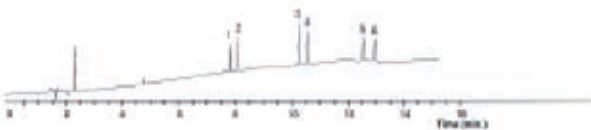
PHENOLS-ANSIOLES IN WINE

Column: **TR-5MS** P/N TR-520232
 Dimensions: 30m x 0.25mm x 0.25µm
 Injection: 280°C, 1µL (St 100 ppb), split (30:1)
 Carrier gas: H₂, 1,2 ml/min. 17 psi (117 kPa) to 80°C
 Oven temperature: 80°C to 120°C (5min) @ 10°C/min.
 Detector: ECD, 330°C

Peak Name

- 1- Trichlorophenol
- 2- Trichloroanisole
- 3- Tetrachlorophenol
- 4- Tetrachloroanisole
- 5- Pentachlorophenol
- 6- Pentachloroanisole

Exceptional symmetry of the peaks at traces level

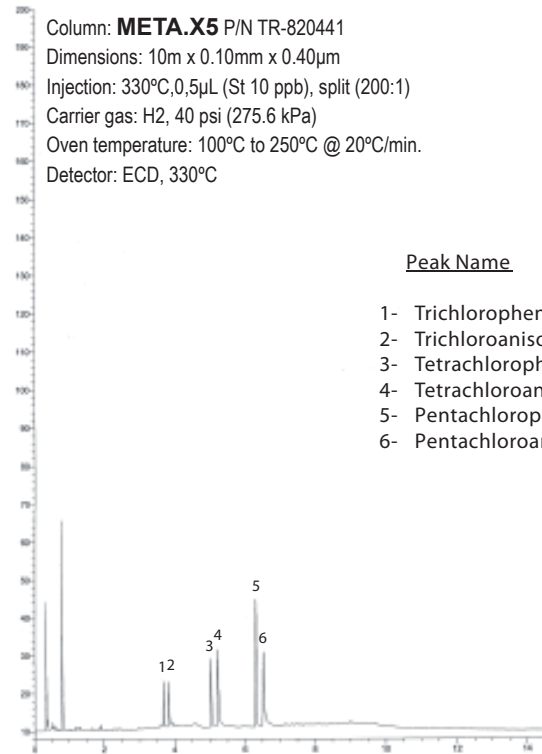


PHENOLS-ANSIOLES IN WINE (FAST CHROMATOGRAPHY)

Column: **META.X5** P/N TR-820441
 Dimensions: 10m x 0.10mm x 0.40µm
 Injection: 330°C, 0,5µL (St 10 ppb), split (200:1)
 Carrier gas: H₂, 40 psi (275.6 kPa)
 Oven temperature: 100°C to 250°C @ 20°C/min.
 Detector: ECD, 330°C

Peak Name

- 1- Trichlorophenol
- 2- Trichloroanisole
- 3- Tetrachlorophenol
- 4- Tetrachloroanisole
- 5- Pentachlorophenol
- 6- Pentachloroanisole

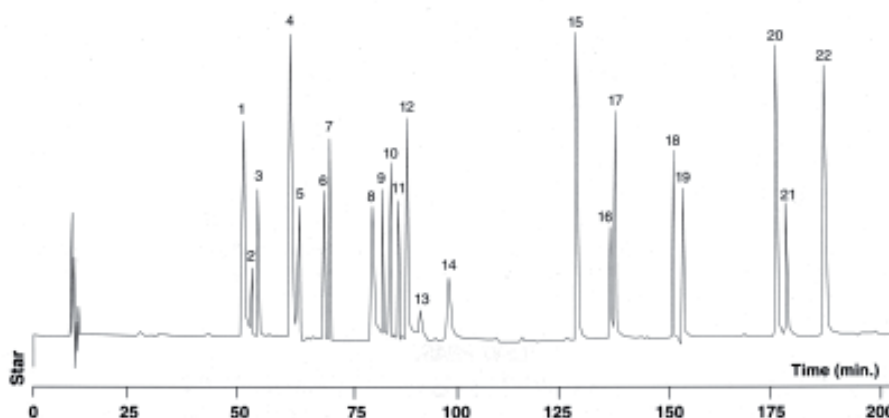


PHYTOSANITARY ANALYSIS IN WINE

Column: **Meta.X5** P/N TR-820232
 Dimensions: 30m x 0.25mm x 0.25µm
 Injection: 2,0 µL split (1:100), 250°C
 Carrier gas: He, 1 ml/min.
 Oven temperature: 140°C to 180°C @ 0,4°C/min. to 270°C(15min.) @1°C/min.
 Detector: ECD, 300°C, make up Argon/methane (95/5)
 Sample: Phytosanitary standard INCAVI, (70-680 µg/L of each component)
 Chromatogram supplied by M. Jaldo, J. García (Incavi) and J. Marco (Torres, S.A.)

Peak Name

- 1- Methylchlorpyrifos
- 2- Methylparathion
- 3- Vinclozoline
- 4- Fenitrothion
- 5- Dichlofluanide
- 6- Malathion
- 7- Chlorpyrifos
- 8- Captan
- 9- Penconazol
- 10- Folpet
- 11- Chlozolinate
- 12- Triadimenol + Procimidione
- 13- Triadimenol
- 14- Hexocanozol
- 15- Captafol
- 16- Iprodione
- 17- Bromopropylate
- 18- Fenarimol
- 19- Cyalotrin
- 20- Fenvalerate
- 21- Fenvalerate
- 22- Azoxystrobine

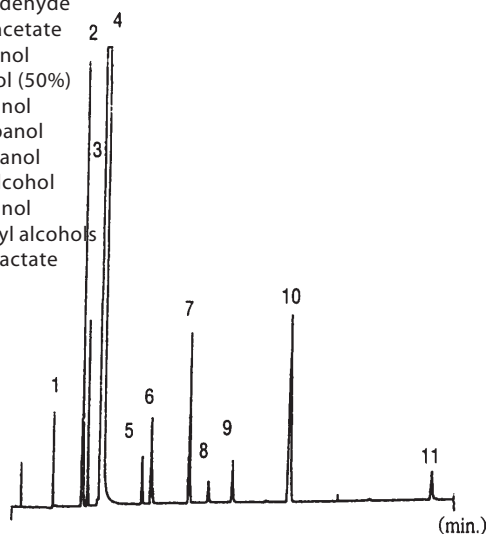


SEPARATION OF VOLATILES IN ALCOHOLIC BEVERAGES

Column: **TRB-WAX**, P/N TR-141035
 Dimensions: 30m x 0.53mm x 1.0µm
 Injection: 1 µL, split
 Carrier gas: He, 5 psi (34.5 KPa)
 Oven temperature: 40°C @ 2°C/min to 150°C
 Detector: FID, 225°C

Peak Name

- 1- Acetaldehyde
- 2- Ethyl acetate
- 3- Methanol
- 4- Ethanol (50%)
- 5- 2-Butanol
- 6- 1-Propanol
- 7- Isobutanol
- 8- Allyl alcohol
- 9- 1-Butanol
- 10- Isoamyl alcohols
- 11- Ethyl lactate

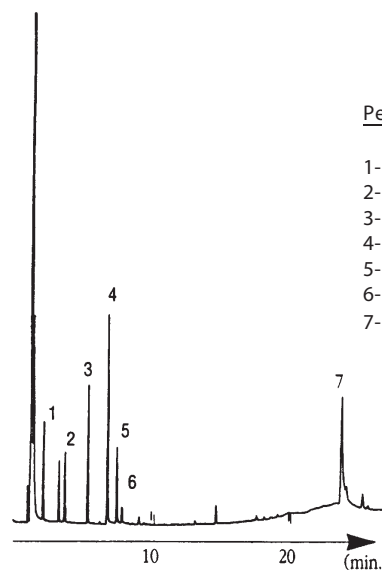


ANALYSIS OF GLYCOLS IN WINE

Column: **TRB-FFAP**, P/N TR-151035
 Dimensions: 30m x 0.53mm x 1.0µm
 Injection: 1 µL, split
 Carrier gas: He, 4 psi (27.6 KPa)
 Oven temperature: 100°C @ 5°C/min to 200°C(10 min)
 Detector: FID, 275°C

Peak Name

- 1- Isoamyl alcohol
- 2- Ethyl lactate
- 3- Acetic acid
- 4- Levo-2,3-butenediol
- 5- Meso-2,3-butenediol
- 6- 1,2-Propanediol
- 7- Glycerine

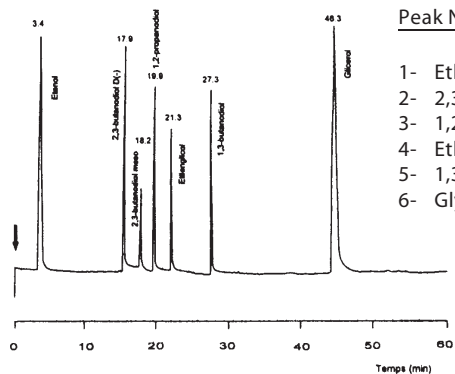


ANALYSIS OF POLYOLS IN WINE

Column: **TRB-FFAP**, P/N TR-150262
 Dimensions: 60m x 0.25mm x 0.25µm
 Injection: 1 µL, split (100:1), glycols standard, 205°C
 Carrier gas: H2, 1 mL/min (80°C)
 Oven temperature: 100°C @ 5°C/min to 200°C(10 min)
 Detector: FID, 275°C

Peak Name

- 1- Ethanol
- 2- 2,3-Butanediol
- 3- 1,2-Propanediol
- 4- Ethylene glycol
- 5- 1,3-Butanediol
- 6- Glycerol



PHENOLS EPA 604

Column: **TRB-5**, P/N TR-120232
 Dimensions: 30m x 0.25mm x 0.25µm
 Injection: 1 µL, split, 2 to 6 ng/comp, 250°C
 Carrier gas: H2, 12 psi (82.68 KPa)
 Oven temperature: 80°C(4min) @ 8°C/min to 250°C
 Detector: FID, 280°C

Peak Name

- 1- Phenol
- 2- Chorophenol
- 3- 2-Nitrophenol
- 4- 2,4-Dimethylphenol
- 5- 2,4-Dichlorophenol
- 6- 4-Chloro-3-methylphenol
- 7- 2,4,6-Trichlorophenol
- 8- 2,4-Dinitrophenol
- 9- 4-Nitrophenol
- 10- 2-Methyl-4,6-dinitrophenol
- 11- Pentachlorophenol

