WATER RESEARCH

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AN INVENTORY OF LINEAR TEMPERATURE PROGRAMMED GAS CHROMATOGRAPHIC RETENTION INDICES ON METHYL SILICONE PHASES

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2nd Edition

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SUMMARY

The purpose of this work has been to provide the Water Industry with a cheap method of identifying unknown organic compounds in the aquatic environment. Pollution incidents frequently occur in which it is necessary to identify an organic compound accidentally or illegally discharged into the water catchment. Analytical instrumentation normally applied to the identification of organic compounds is relatively expensive and usually beyond the means of Water Utility Laboratories. A relatively cheap technique based on gas chromatographic retention times has been successfully developed.

Gas chromatography is a separation technique the mechanism of which depends upon the differing affinities of the organic compounds in a mixture for the stationary phase of the gas chromatographic column. Thus different components of the mixture are retained on the column for different periods of time. If chromatographic separation conditions can be precisely standardised and the retention time of a component be measured with sufficient accuracy, the data may be used to give a precise identification of the component.

This report contains new relevant retention data collected from the literature during the past year. It has been appended to Tables III and IV of the First Edition and in this version of the second edition the data is broken down into two volumes according to the type of stationary phase, methyl silicone or polyethylene glycol, and presented in full in Tables I and II.

Water authorities and others are encouraged to generate further data on organic compounds of concern for incorporation into the data base. WRc will continue to generate new data on compounds of concern as and when the occasion demands as well as to collate suitable data from the literature.

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INTRODUCTION

There is a need in the water industry at local laboratory level for a cheap method of identification of organic compounds. The objective of this work has been to fulfill this need by developing a system by which unknown compounds found in water may be tentatively identified from their gas chromatographic linear temperature programmed retention indices (LTPRIs). Normally retention indices are calculated under isothermal conditions and related to the retention of members of a homologous series of n-alkane standards and quoted in terms of carbon number x 100. Environmental samples usually contain organic compounds with a wide range of boiling points which cannot be eluted from a gas chromatograph at one temperature. In this work therefore the equivalent carbon number or retention index was calculated using a linear temperature programmed gradient. In use, measured LTPRI values are compared with a central computer library containing data of relevant compounds, generated under 'ideal' conditions and identifications can be achieved without having to resort to the use of more expensive equipment eg mass spectrometry. Ideal conditions include the adoption of standard chromatography columns which are capable of producing results of the required precision and accuracy in extended use.

COLUMN PREPARATION

The standard, fused silica capillary columns were prepared by methods based on those developed by Grob *et al*[1,2] for the preparation of columns of borosilicate (eg Pyrex) tubing: some modification is necessary to adapt them to the different requirements of fused silica. Columns have been prepared both from the non-polar (polydimethylsiloxane) phase PS 255 and from the polar (polyethyleneglycol) phases Carbowax 20M and Superox 0.6. In all columns the liquid phase was immobilised by free radical polymerisation. Both column types have been thoroughly tested using the Grob test mix which contains acidic basic and neutral compounds and were shown to be inert and to display reproducible retention properties, the LTPRIs of Grob test compounds agreeing to within $\pm$ 1 unit. From these results it was concluded that the techniques used for the preparation of columns are successful and that it is possible to obtain consistent results from column to column and more importantly, from batch to batch.

The standard columns have been employed to generate retention data on selected organic compounds of concern in connection with pollution of the aquatic environment.

Commercially available columns of the chosen phases (polydimethylsiloxane and polyethylene glycol) have also been examined and all found to conform to the above mentioned requirements of reproducibility of retention properties. Results, at least for non-polar compounds, were consistent in terms of precision and accuracy in comparison with laboratory prepared columns.

CHROMATOGRAPHY CONDITIONS

The organic compounds were chromatographed on the polydimethylsiloxane phase using the following conditions:

Chromatograph:	Erba Science FV4160
Carrier gas:	Hydrogen; head pressure set such that at ambient temperature (oven door open) the elution time for methane (column hold-up time) is 120 s.
Injection:	Split; injector vent flow rate approx. 30 ml/min (split ratio approx 15:1), injector temperature 200°C.
Detection:	Flame ionisation; detector temperature 350°C; detector gas pressures: hydrogen 0.4 kg/cm, air 1.5 kg/cm.
Oven temperature	30°C for injection then programmed immediately to 330°C at 4°C/min and held until no further n-alkanes eluted.
Data processing:	Peaks were acquired and retention times measured using a Hewlett Packard 3390A reporting integrator fitted with input/output board (option 100) and interfaced with a Digital Equipment Corporation VAX 11/780 computer which was used for both data storage and calculation of LTPRIs using a polynomial curve fitting technique.

The conditions applied for gas chromatography on the polyethyleneglycol phases were modified as follows:

Carrier gas:	Hydrogen; head pressure set such that at 60°C the elution time for methane (column hold-up time) is 120 s.
Injection:	Split; injector vent flow rate approximately 30 ml/min (split ratio approx 15:1); injector temperature 200°C.
Detection:	Flame ionisation; detector temperature 250°C; detector gas pressures: hydrogen 0.4 kg/cm^2, air 1.5 kg/cm^2.
Oven temperature:	60°C for injection then programmed immediately to 220°C at 4°C and held for 20 min.

Initially, to ensure that there was no possibility of incorrect identification of the peaks, solutions of each compound at approximately the same concentration (roughly 400 ug/ml for solids, 0.4 ul/ml for liquids) were chromatographed separately on each column type. Following these initial runs solutions of similar concentrations were prepared containing mixtures of compounds which would neither co-elute nor react with each other in solution (which meant essentially that acidic and alkaline compounds were kept separate). These solutions were chromatographed twice and average LTPRIs calculated from these results and those from the solutions of the individual compounds.

In all cases 1.0 ul of pollutant solution was coinjected with 1.8 ul (corresponding to 1 ul plus the volume of the syringe needle) of a solution containing a mixture of n-alkanes (C6-26, C28, C30, C32, C36, C38 and C40) each at a concentration of approximately 40 ng/ul.

CALCULATION OF LINEAR TEMPERATURE PROGRAMMED RETENTION INDICES

The Kovats method of assigning retention indices calculates the logarithmetic retention of a solute interpolated between those of two standard compounds[3]. The standard compounds can be comprised of any homologous series of organic compounds. The standards most commonly adopted are the n-alkane series. The logarithmic relationship which prevails under isothermal gas chromatographic operating conditions is replaced under linear temperature programmed elution by a near-linear relationship expressed by the equation of Van Den Dool and Kratz[4].

$$I = 100z + 100 \left[\frac{t_{Rx} - t_{Rz}}{t_{ez+1} - t_{Rz}}\right]$$

where I = linear temperature programmed retention index
t_{Rx} = retention time of unknown
t_{Rz} = retention time of the n-alkane eluting immediately before the unknown
t_{Rz+1} = number of carbon atoms in the n-alkane eluting immediately before the unknown

However, it has been clearly demonstrated that the linear relationship between retention data for the n-alkane series does not strictly hold true especially at the low molecular weight end of the series[5]. Thus other approaches to the fitting of a mathematical function to retention time data have been explored. These have included the application of polynomial fits and various cubic spline techniques[5,6,7,].

The method employed in these studies for calculating linear programmed retention indices is a computerised polynomial routine which uses the Water Research Centre in-house computer - a DEC VAX 11/780. It utilises two Fortran sub-routines which are derived from the DEC VAX NAG library and which are not generally accessible. However the following text provides references which give the information on which the sub-routines are based.

The method employed is due to Forsythe[8] and is based upon the generation of a set of polynomials orthogonal with respect to summation over the normalised data set. The extensions due to Clenshaw[9] to represent these polynomials as well as the approximating polynomials in their Chebyshev-series forms are incorporated. The modifications suggested by Reimsch and Gentleman[10] to the method originally employed by Clenshaw for evaluating the orthogonal polynomials from the Chebysev-series representations are used to give greater numerical stability.

The routine determines the least squares polynominal approximations of degrees 0, 1 ..... K to the set of data points (X(R). Y(R)) with weights W(R) (R = 1,2,....M). The value of K + 1 when K is the maximum degree required is specified by the user.

The approximation of degree I has the property that it minimises SIGMA(I), the sum of the squares of the weighted residuals EPS(R) (R = 1,2, ...M), where

$$EPS(R) = W(R) \times (Y(R) - F(R))$$

and F(R) is the value of the polynomial of degree I at the Rth data point.

Each polynomial is represented in the Chebyshev-series form with normalised argument$\bar{X}$ This argument lies in the range -1 to +1 and is related to the original variable X by the linear transformation

$$\bar{X} = (2 \times X - XMAX - XMIN)/(XMAX - XMIN).$$

Here XMAX and XMIN are respectively the largest and smallest values of X(R). The polynomial approximation of degree I is represented as

$$0.5 \times A\ (I + 1,1) \times T_o\ (\bar{X}) + A\ (I + 1,2) \times T_1\ (\bar{X})$$

$$+ A\ (I + 1,3) \times T_2\ (\bar{X}) + \ldots + A\ (I + 1,I + 1) \times T_I\ (\bar{X})$$

where T_J (X) is the Chebyshev polynomial of the first kind of degree J with argument (X).

For each value of I (I = 0,1,...K) the routine produces the values of A (I + 1, J + 1) (J = 0,1 ...I), together with the value of the root mean square residual S (I + 1) defined by the square root of SIGMA (I)/(M - I - 1). In the case M = I + 1 the routine sets the value of S (I + 1) to zero.

A further routine evaluates the polynomial:

$$0.5 \times A\ (1) \times T_o\ (\bar{X}) + A\ (2) \times T_1\ (\bar{X}) + A\ (3)$$

$$\times T_2\ (\bar{X}) + .. + A\ (NPLUS\ 1) \times T_N\ (\bar{X})$$

for any value of $\bar{X}$ satisfying $-1 \leq X \geq 1$. Here T_J (X) denotes the Chebyshev polynomial of the first kind of degree J with argument $\bar{X}$. The value of NPLUS1 = N + 1 is prescribed by the user.

While the mathematics of this system of calculation appears complex it is nevertheless simple in operation and provides reliable "best fit" data. Should suitable computer facilities and software not be available, readily acceptable results have been obtained using graphical techniques employing semi-log graph paper[6].

RETENTION INDICES LISTINGS

The retention indices listings are organised in two tables containing both "pure" data generated under the prescribed conditions at WRc and data collated from the open literature under conditions which closely adhere to the standard. Table 1 gives a truncated version of the library organised in order of increasing retention index. Besides the compound name the only other relevent information provided is the stationary phase employed. Table 2 provides a similar listing but in alphabetical order of compound name and it also contains full information on column origin, stationary phase, column material, column type, column dimensions carrier gas, sample type and bibliographic reference.

Computer based files of LTPRI and associated data have been set up for receiving, searching, and formatting information. Hard copy versions of the data base for more general distribution can be produced to order.

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TABLE 1

SECOND TIER LIBRARY OF LINEAR TEMPERATURE PROGRAMMED RETENTION INDICES TRUNCATED VERSION IN RETENTION INDEX ORDER

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0363	ethanal	OV-101
0369	ethanal	SE-30
0384	methanol	SE-30
0420	methane, bromo	Me silicone
0427	ethanol	SE-30
0429	ethane, chloro	Me silicone
0450	ethene, bromo	Me silicone
0463	amine, allyl (propene, 3-amino)	OV-101
0464	acetonitrile	SE-30
0465	butane, 2-methyl	OV-101
0466	amine, propyl (propane, 1-amino)	OV-101
0469	amine, 2-methylethyl	OV-101
0469	propenal (acrolein)	SE-30
0471	amine, 1-methylpropyl (butane, 2-amino)	OV-101
0475	methanol	SE-30
0475	propanone (acetone)	SE-30
0477	methane, trichlorofluoro	Me silicone
0480	pentadiene, 1,4-	SE-30
0480	propanal	SE-30
0480	propanol, 2-	SE-30
0490	cyclohexane, tetradecafluoromethyl	Me silicone
0492	pentene, 1-	SE-30
0493	propanol, 2-methyl-2-	SE-30
0495	propane, 2-chloro	Me silicone
0496	diethyl ether	SE-30
0498	furan	SE-30
0500	acrylonitrile	SE-30
0500	pentane, n-	OV-101
0500	propanal, 2-methyl	OV-101
0501	amine, 1,1-dimethylethyl	OV-101
0501	formic acid, ethyl ester	SE-30
0501	furan, 2-methyl	SE-30
0505	sulphide, dimethyl (methylthiomethane)	SE-30
0507	butadiene, 2-methyl-1,3- (isoprene)	SE-30
0509	ethanol	SE-30
0509	sulphide, dimethyl (methylthiomethane)	SE-30
0512	propene, cis-1-chloro-1-	Me silicone
0515	methane, dichloro	SE-30
0515	propanol, 2-	SE-30
0516	acetic acid, methyl ester	SE-30
0518	ethane, bromo	Me silicone
0518	methane, iodo	Me silicone
0520	ethene, 1,1-dichloro	Me silicone
0521	propene, trans-1-chloro-1	Me silicone
0522	ethane, bromo	SE-30
0524	methane, dichloro	SE-30
0524	methane, dichloro	Me silicone
0525	pentadiene, 1,3-	SE-30
0526	pentan-2,4-dione, 1,1,1,5,5,5-hexafluoro	Me silicone
0526	propene, 3-chloro-1-	Me silicone
0527	acetic acid, ethyltrifluoro ester	Me silicone
0527	amine, diethyl	OV-101
0528	ethane, 1,1,1-trichloro-2,2,2-trifluoro	Me silicone
0529	ethane, 1,1,2-trichloro-1,2,2-trifluoro	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0530	propanol, 1-	SE-30
0532	propen-1-ol, 2-	SE-30
0534	propen-1-ol, 2-	SE-30
0536	butane, 2,2-dimethyl	OV-1
0536	methane, nitro	SE-30
0536	propane, 1-chloro	Me silicone
0537	butane, 2,2-dimethyl	OV-101
0538	propane, 2-chloro-2-methyl	Me silicone
0540	butane, 2,2-dimethyl	SE-30
0540	cyclopentadiene, 1,3-	SE-30
0543	propanol, 2-methyl-2-	SE-30
0544	ether, chloromethyl methyl	Me silicone
0545	propyne, 3-chloro-1-	Me silicone
0546	propyn-1-ol, 2-	SE-30
0547	proprionitrile	SE-30
0548	acetic acid, vinyl ester	SE-30
0551	ethene, trans-1,2-dichloro	Me silicone
0552	amine, butyl (butane, 1-amino)	OV-101
0557	cyclopentane	OV-101
0558	butane, 2,3-dimethyl	OV-101
0558	cyclopentene	SE-30
0561	pentene, 3-methyl-1-	SE-30
0561	propanol, 1-	SE-30
0562	ether, methyl-t-butyl	SE-30
0562	pentane, 2-methyl	OV-101
0563	butane, 2,3-dimethyl	SE-30
0564	acetic acid, vinyl ester	SE-30
0565	cyclopentene	SE-30
0565	propane, 2-bromo	Me silicone
0567	butane, 2,3-dimethyl	OV-1
0567	butane, 2,3-dimethyl	OV-101
0567	cyclopentane	OV-101
0569	chloroformic acid, methyl ester	Me silicone
0569	pentane, 2-methyl	SE-30
0569	propenoic acid, methyl ester (methyl acrylate)	SE-30
0570	cyclopentane	SE-30
0570	pentane, 2-methyl	OV-101
0571	formic acid, 2-propenyl ester	SE-30
0574	butanal	SE-30
0575	hexadiene, 1,5-	SE-30
0575	mercaptan, allyl (1-propen-3-thiol)	OV-1
0576	butene, 3-chloro-1-	Me silicone
0577	cyclopentane	SE-30
0578	pentane, 3-methyl	OV-101
0579	butanone	SE-30
0580	mercaptan, n-propyl	OV-1
0582	propene, cis-1-bromo-1-	Me silicone
0583	mercaptan, allyl (1-propen-3-thiol)	OV-1
0584	pentane, 3-methyl	SE-30
0585	hexene, 1-	OV-101
0586	butanol, 2-	SE-30
0589	hexene, 1-	SE-30
0589	pentene, 2-methyl-1-	SE-30
0592	propene, trans-1-bromo-1-	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0593	acetic acid, ethyl ester	SE-30
0593	hexadiene, 1,4-	SE-30
0594	acetic acid, ethyl ester	SE-30
0594	butanol, 2-	SE-30
0594	diisopropyl ether	SE-30
0595	butene, cis-2-chloro-2-	Me silicone
0595	methane, trichloro	SE-30
0596	mercaptan, n-propyl	OV-1
0597	dioxolane, 1,3-	SE-30
0600	acetic acid, ethyl ester	OV-101
0600	hexane, n-	OV-101
0601	ethane, iodo	Me silicone
0601	methane, bromchloro	Me silicone
0601	propanol, 2-methyl-1-	SE-30
0601	propene, 3-bromo-1-	Me silicone
0603	methane, trichloro	OV-1
0604	propane, 2,2-dichloro	Me silicone
0606	pentene, 2-methyl-2-	SE-30
0607	acetic acid, ethyl ester	OV-1
0608	propane, 1-chloro-2-methyl	Me silicone
0609	buten-1-ol, 3-	SE-30
0609	methane, trichloro	Me silicone
0609	methane, trichloro	SE-30
0610	methane, trichloro	OV-1
0611	acetic acid, ethyl ester	OV-1
0614	propanol, 2-methyl-1-	SE-30
0614	propene, 1-chloro-2-methyl-1-	Me silicone
0615	amine, 3-methylbutyl	OV-101
0615	cyclopentene, 3-methyl-1-	SE-30
0616	acetic acid, ethyl ester	OV-1
0616	butadiene, 2,3-dimethyl-1,3-	SE-30
0616	furan, tetrahydro	SE-30
0616	methane, trichloro	SP-2100
0616	propanol, 2-	OV-101
0617	propane, 1-bromo	Me silicone
0618	pentane, 2,2-dimethyl	OV-101
0618	propane, 2-bromo-2-methyl	Me silicone
0619	butanedione, 2,3-	OV-101
0620	cyclopentane, methyl	OV-101
0620	hexadiene, 1,3-	SE-30
0620	propene, 3-chloro-2-methyl-1-	Me silicone
0622	butene, trans-1-chloro-2-	Me silicone
0622	cyclopentane, methyl	SE-30
0623	pentane, 2,4-dimethyl	OV-101
0624	furan, tetrahydro	OV-1
0625	butanol, 2-methyl-2-	SE-30
0625	pentane, 2,2-dimethyl	OV-101
0626	furan, tetrahydro	SE-30
0626	pentane, 2,2-dimethyl	OV-1
0626	pentane, 2,2-dimethyl	SE-30
0627	cyclopentane, methyl	OV-1
0627	cyclopentane, methyl	SP-2100
0627	ethane, 1,1,1-trichloro	OV-1
0627	propanone, chloro-2-	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0628	butane, 2,2,3-trimethyl	OV-101
0628	ethane, 1,2-dichloro	SE-30
0629	cyclopentane, methyl	OV-101
0630	amine, methylbutyl	OV-101
0630	ethane, 1,1,1-trichloro	OV-1
0631	pentane, 2,4-dimethyl	OV-101
0631	propyne, 3-bromo-1-	Me silicone
0632	ethane, 1,1,1-trichloro	SP-2100
0632	ethane, 1,2-dichloro	Me silicone
0632	ether, chloromethyl ethyl	Me silicone
0632	pentadiene, trans-1-methyl-1,3-	SE-30
0632	pentane, 2,4-dimethyl	OV-1
0632	pentane, 2,4-dimethyl	SE-30
0634	cyclopentane, methyl	SE-30
0635	amine, pentyl (pentane, 1-amino)	OV-101
0635	butane, 1-chloro	OV-1
0635	butane, 1-chloro	SP-2100
0635	ethane, 1,1,1-trichloro	Me silicone
0636	epoxide, propylene	OV-1
0636	epoxide, propylene	OV-1
0636	pentadiene, 4-methyl-1,3-	SE-30
0637	butane, 1-chloro	Me silicone
0637	butanol, 1-	SE-30
0638	butane, 2,2,3-trimethyl	OV-101
0639	acetic acid, methylethyl ester	SE-30
0639	cyclopentadiene, 5-methyl-1,3-	SE-30
0639	pentanone, 2-	SP-2100
0639	pentanone, 2-	OV-1
0639	penten-2-ol, 4-	SE-30
0640	ethane, 1,2-dichloro	SE-30
0641	ethane, 1,2-dichloro	OV1-1/SE-54
0642	benzene	OV-101
0642	butyronitrile	SE-30
0643	benzene	SP-2100
0643	ethane, 1,2-dichloro	OV1-1/SE-54
0644	acetic acid, isopropenyl ester	SE-30
0644	propene, 1,1-dichloro	Me silicone
0645	benzene	SE-30
0645	butanal, 3-methyl	OV-101
0645	cyclohexane	SE-30
0645	thiophene	OV-1
0646	benzene	OV-1
0646	benzene	OV-1
0646	benzene	OV-1
0646	butanol, 1-	SE-30
0646	butanone, 3-methyl-2-	SE-30
0646	methane, tetrachloro	SP-2100
0646	methane, tetrachloro	SE-30
0646	pentane, 3,3-dimethyl	OV-101
0647	hexatriene, 1,3,5-	SE-30
0647	mercaptan, s-butyl	OV-1
0647	thiophene	OV-1
0648	cyclohexane	SP-2100
0648	propanoic acid, vinyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0649	benzene	OV-1
0650	acetic acid, isopropyl ester	SE-30
0650	benzene	SE-30
0650	cyclohexane	OV-101
0650	ethane, 1,1,1-trichloro	SE-30
0650	sulphide, methylisopropyl	SE-30
0650	thiophene	SE-30
0651	furan, tetrahydro	OV-1
0651	methyl isopropyl ketone	OV-1
0651	methyl isopropyl ketone	OV-1
0652	butanone, 1-hydroxy-2- (acetol)	OV-101
0653	benzene	OV-1
0654	benzene	SE-30
0654	cyclopentene, 1-methyl-1-	SE-30
0654	mercaptan, isopropyl	SE-30
0654	propane, 2-iodo	Me silicone
0655	benzene	OV-101
0655	benzene	SE-30
0655	butane, 2-chloro-2-methyl	Me silicone
0655	butene, 3-bromo-1-	Me silicone
0655	methane, tetrachloro	Me silicone
0656	acetic acid, 2-propenyl ester	SE-30
0657	ether, dichloromethyl methyl	Me silicone
0657	pentane, 3,3-dimethyl	OV-101
0658	benzene	OV-1
0658	methane, tetrachloro	OV-1
0658	nonene, 1-	SE-30
0658	pentane, 3,3-dimethyl	SE-30
0658	pentane, 3,3-dimethyl	OV-1
0659	benzene	SE-30
0659	hexane, 2-methyl	OV-101
0660	amine, diallyl	OV-101
0661	butanol, 1-	OV-1
0661	cyclohexane	SE-30
0661	cyclohexene	OV-1
0661	cyclohexene	SP-2100
0661	pentane, 2,3-dimethyl	OV-101
0662	acetonitrile, chloro	Me silicone
0662	cyclohexane	SE-30
0662	cyclohexane	OV-1
0662	cyclohexane	OV-1
0662	cyclohexane	OV-101
0662	hexadiene, trans, trans-2,4-	SE-30
0662	pentanone, 2-	OV-101
0662	pentanone, 2-	OV-101
0662	pentanone, 2-	OV-101
0663	butanol, 3-methyl-2-	SE-30
0664	benzene	SE-30
0664	benzene, fluoro	SE-30
0664	cyclohexane	OV-1
0664	epoxide, propylene	OV-1
0664	propenoic acid, ethyl ester (ethyl acrylate)	SE-30
0665	cyclohexadiene, 1,3-	SE-30
0665	hexane, 2-methyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0666	propane, 1,2-dichloro	SP-2100
0667	benzene	OV-1
0667	cyclohexene	SE-30
0667	cyclohexene	OV-101
0667	hexane, 2-methyl	OV-101
0667	methane, tetrachloro	OV-1
0667	propane, 1,2-dichloro	OV-1
0668	acetonitrile, trichloro	Me silicone
0669	benzene	OV-1
0669	cyclohexane	OV-1
0669	cyclohexane	SE-30
0669	hexane, 3-methyl	OV-101
0670	acetic acid, 2-propenyl ester	SE-30
0670	pentane, 2,3-dimethyl	SE-30
0670	pentane, 2,3-dimethyl	OV-101
0671	cyclohexadiene, 1,3-	SE-30
0671	pentane, 3,3-dimethyl	OV-1
0671	pentanone, 2-	SE-30
0672	acetic acid, 2-propynyl ester	SE-30
0672	methane, tetrachloro	SE-30
0672	sulphide, methylallyl	SE-30
0673	benzene	OV-1
0673	butane, 2-bromo	Me silicone
0673	ethene, trichloro	SP-2100
0673	hexadiene, cis, trans-2,4-	SE-30
0673	methane, tetrachloro	OV-1
0674	pentanone, 2-	OV-1
0675	cyclohexane	SE-30
0675	cyclopentane, 1,1-dimethyl	OV-101
0675	hexane, 3-methyl	SE-30
0675	pentadione, 2,3-	OV-101
0676	heptadiene, 1,6-	SE-30
0676	hexane, 3-methyl	OV-101
0676	nitropropane, 2-	SE-30
0676	propenoic acid, ethyl ester (ethyl acrylate)	SE-30
0677	ethene, trichloro	OV-1
0677	propenoic acid, 2-methyl, methyl ester (methyl methacrylate)	SE-30
0678	methane, bromodichloro	SP-2100
0679	pentanal	SE-30
0679	propane, 1,2-dichloro	Me silicone
0680	ethene, trichloro	OV-1
0680	methane, dibromo	Me silicone
0681	cyclohexene	SE-30
0681	mercaptan, s-butyl	OV-1
0681	sulphide, diethyl (3-thiapentane)	OV-1
0682	pentane, 3-ethyl	OV-101
0682	pentanol, 2-	SE-30
0682	pentanol, 2-	SE-30
0683	sulphide, diethyl (3-thiapentane)	SE-30
0684	cyclopentane, cis-1,3-dimethyl	OV-101
0684	propene, 2,3-dichloro	Me silicone
0685	heptene, 1-	OV-101
0685	sulphide, diethyl (3-thiapentane)	OV-1
0686	dioxane, 1,4-	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0686	ethene, trichloro	SE-30
0686	pentane, 2,2,4-trimethyl	OV-101
0687	acetic acid, dimethylethyl ester	SE-30
0687	cyclopentane, trans-1,3-dimethyl	OV-101
0687	dioxane, 1,4-	OV-1
0689	ethene, trichloro	Me silicone
0689	heptene, 1-	SE-30
0690	cyclohexene	SE-30
0690	cyclopentane, trans-1,2-dimethyl	OV-101
0691	methane, bromodichloro	Me silicone
0691	propionate, ethyl	SE-30
0692	acetonitrile, dichloro	OV-1
0692	dioxane, 1,4-	OV-1
0692	mercaptan, n-butyl	OV-1
0692	pyridine	OV-101
0693	acetic acid, propyl ester	SE-30
0693	acetonitrile, dichloro	OV-1
0693	acetonitrile, dichloro	OV-1
0693	butanone, 3-hydroxy-2- (acetoin)	OV-101
0693	methane, bromodichloro	OV-1
0694	amine, di-n-propyl	OV-101
0694	methane, bromodichloro	OV-1
0694	propenoic acid, 2-methyl, methyl ester (methyl methacrylate)	SE-30
0695	acetic acid, propyl ester	SE-30
0695	acetonitrile, dichloro	OV-1
0695	butene, 4-bromo-1-	Me silicone
0695	dioxane, 1,3-	OV-1
0695	pyrrolidine	OV-1
0696	dioxane, 1,3-	OV-1
0696	mercaptan, n-butyl	OV-1
0696	methane, bromodichloro	OV-1
0696	pyrazine	OV-101
0696	sulphide, methylpropyl	SE-30
0698	butan-2-one, 3,3-dimethyl	SE-30
0698	ethene, trichloro	SE-30
0698	propane, 2-iodo-2-methyl	Me silicone
0699	acetaldehyde, trichloro	Me silicone
0700	epichlorhydrin	SE-30
0700	heptane, n-	OV-101
0700	methane, dibromo	OV1-1/SE-54
0700	methane, dibromo	OV1-1/SE-54
0700	pentadiene, 2,4-dimethyl-1,3-	SE-30
0700	propanoic acid, ethyl ester	SE-30
0701	butane, 2-chloro	Me silicone
0702	propane, 1-iodo	Me silicone
0704	acetic acid, propyl ester	SE-30
0704	ethane, 1,2-difluoro-1,1,2,2-tetrachloro	Me silicone
0704	ethane, 1-bromo-2-chloro	OV-1
0704	ethane, 1-bromo-2-chloro	OV-1
0704	ethane, 1-bromo-2-chloro	SP-2100
0704	methane, bromodichloro	OV-1
0705	acetone, 1,1-dichloro	OV-1
0706	amine, methylpentyl	OV-101
0706	butane, 1-chloro-3-methyl	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0706	cyclohexadiene, 1,4-	SE-30
0707	acetone, 1,1-dichloro	OV-1
0707	ethane, 1-bromo-2-chloro	Me silicone
0707	propane, 1-nitro	OV-1
0708	acetone, 1,1-dichloro	OV-1
0709	hexane, 5,5-dimethyl-2-	OV-1
0709	hexene, 5,5-dimethyl-2-	SP-2100
0710	pyrazine	OV-101
0710	pyrazine	OV-101
0710	pyrazine	OV-101
0712	propane, 1-nitro	SE-30
0713	acetone, 1,1-dichloro	OV-1
0713	cyclohexadiene, 1,4-	SE-30
0715	cyclohexane, methyl	OV-1
0715	cyclohexane, methyl	OV-1
0715	cyclohexane, methyl	SP-2100
0715	cyclopentane, cis-1,2-dimethyl	OV-101
0715	propane, 1-iodo	SE-30
0716	butanol, 3-methyl-1-	SE-30
0716	cyclohexane, methyl	OV-101
0717	acetaldehyde, diethylacetal	SE-30
0717	penten-1-ol, 4-	SE-30
0718	butane, 1-bromo	Me silicone
0718	disulphide, dimethyl	OV-1
0718	hexane, 2,2-dimethyl	OV-101
0718	pyrazine	OV-101
0720	disulphide, dimethyl	OV-1
0720	pentanone, 4-methyl-2-	OV-1
0720	pentanone, 4-methyl-2-	SP-2100
0720	pentanone, 4-methyl-2-	OV-1
0721	dioxane, 1,4-	SE-30
0722	butane, 2,2-dichloro	Me silicone
0722	cyclopentane, cis-1,2-dimethyl	OV-101
0723	acetic acid	OV-101
0723	cyclohexane, methyl	OV-101
0723	pentanol, 2-methyl-2-	OV-1
0724	disulphide, dimethyl	SE-30
0724	ethane, 1,1-dibromo	Me silicone
0724	hexane, 2,2-dimethyl	OV-101
0724	pentanone, 4-methyl-2-	SE-30
0724	propene, cis-1,3-dichloro	Me silicone
0725	butanol, 3-methyl-1-	OV-101
0725	butanol, 3-methyl-1-	SE-30
0725	cyclopentane, 1,1,3-trimethyl	OV-101
0725	cyclopentane, ethyl	OV-101
0726	hexane, 2,5-dimethyl	OV-101
0727	cyclohexane, methyl	SE-30
0727	cyclopentane, vinyl	SE-30
0728	ethene, cis-1,2-dibromo	Me silicone
0728	hexane, 2,4-dimethyl	OV-101
0730	cyclohexane, methyl	SE-30
0732	hexane, 2,5-dimethyl	OV-101
0732	pyridine	OV-1
0733	cyclopentane, ethyl	OV-101

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0733	pyridine	OV-101
0734	benzene, methyl, (toluene)	OV-1
0734	butane, 2-bromo-2-methyl	Me silicone
0734	butene, trans-1-bromo-2-	Me silicone
0734	hexane, 2,4-dimethyl	OV-101
0735	hexane, 3,3-dimethyl	OV-101
0736	cyclohexane, methyl	SE-30
0736	disulphide, dimethyl	OV-101
0737	acetic acid, 1-methylpropyl ester	SE-30
0738	cyclohexane, fluoro	SE-30
0739	benzene, methyl, (toluene)	OV-1
0739	cyclopentane, ethyl	SE-30
0739	octanone, 4-	SP-2100
0739	octanone, 4-	OV-1
0739	octanone, 4-	OV-1
0741	cyclopentane, trans-1-cis-2,4-trimethyl	OV-101
0741	hexane, 3,3-dimethyl	OV-101
0741	pentane, 1-chloro	Me silicone
0742	benzene, methyl, (toluene)	OV-1
0743	cyclohexene, 3-methyl-1-	SE-30
0743	cyclohexene, 4-methyl-1-	SE-30
0743	disulphide, dimethyl	SE-30
0743	pentane, 2,3,4-trimethyl	OV-101
0743	propene, trans-1,3-dichloro	Me silicone
0743	pyridine	SE-30
0744	cyclohexene, 4-methyl-1-	SE-30
0744	pentane, 2,3,4-trimethyl	OV-1
0744	pentane, 2,3,4-trimethyl	SP-2100
0744	pentane, 2,3,4-trimethyl	OV-1
0745	benzene, methyl, (toluene)	OV-1
0745	cyclohexane, methylene	SE-30
0745	cyclohexene, 3-methyl-1-	SE-30
0745	pyridine	OV-101
0745	valeronitrile	SE-30
0746	butane, 2,3-dichloro	Me silicone
0746	pentanol, 1-	SE-30
0747	pentane, 2,3,3-trimethyl	OV-101
0747	propane, 2-bromo-1-chloro	SP-2100
0747	propane, 2-bromo-1-chloro	OV-1
0747	propane, 2-bromo-1-chloro	OV-1
0748	acetic acid, isobutyl ester	OV-101
0748	benzene, methyl, (toluene)	OV-1
0748	benzene, methyl, (toluene)	SP-2100
0748	benzene, methyl, (toluene)	OV-101
0748	cyclopentane, trans-1-cis-2,3-trimethyl	OV-101
0748	pentanol, 4-methyl-2-	SP-2100
0749	acetic acid, 2-methylpropyl ester	SE-30
0749	acetic acid, chloromethyl ester	Me silicone
0750	acetic acid, isobutyl ester	OV-101
0750	acetic acid, isobutyl ester	OV-101
0750	butanoic acid, vinyl ester	SE-30
0750	pentane, 2,3,4-trimethyl	OV-101
0751	acetic acid, 3-butenyl ester	SE-30
0751	benzene, methyl, (toluene)	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0751	ethane, 1,1,2-trichloro	Me silicone
0751	propanone, bromo-2-	Me silicone
0752	benzene, methyl, (toluene)	OV-1
0752	benzene, methyl, (toluene)	OV-1
0752	methane, bromotrichloro	Me silicone
0753	benzene, methyl, (toluene)	OV-1
0753	benzene, methyl, (toluene)	SE-30
0753	methane, dibromochloro	OV-1
0754	hexane, 2,3-dimethyl	OV-101
0754	pentanol, 1-	SE-30
0754	propane, 2,2-dibromo	Me silicone
0755	pentane, 3-ethyl-2-methyl	OV-101
0755	thiophene, 2-methyl	SE-30
0756	ethene, trans-1,2-dibromo	Me silicone
0756	propenoic acid, 2-methyl, ethyl ester (ethyl methacrylate)	SE-30
0757	benzene, methyl, (toluene)	OV-101
0757	propane, 1,3-dichloro	OV-1
0757	propane, 1,3-dichloro	SP-2100
0757	propane, 1,3-dichloro	OV-1
0757	thiophene, 2-methyl	SP-2100
0758	acetonitrile, bromochloro	OV-1
0758	benzene, methyl, (toluene)	SE-30
0758	butyric acid, 2-methyl, methyl ester	SE-30
0758	cyclohexene, 1-methyl	OV-101
0759	methane, dibromochloro	OV-1
0759	propane, 1,3-dichloro	Me silicone
0761	benzene, methyl, (toluene)	SE-30
0761	heptane, 2-methyl	OV-101
0761	hexane, 2,3-dimethyl	OV-101
0761	hexanone, 3-	OV-1
0761	hexanone, 3-	SP-2100
0761	hexanone, 3-	OV-1
0761	methane, trichloronitro (chloropicrin)	Me silicone
0762	cyclopentane, 1,1,2-trimethyl	OV-101
0762	heptane, 4-methyl	OV-101
0762	methane, dibromochloro	OV-1
0762	pentane, 3-ethyl-2-methyl	OV-101
0763	cyclopentane, 1,1,3,3-tetramethyl	OV-101
0763	thiophene, 3-methyl	SE-30
0764	benzene, methyl, (toluene)	SE-30
0764	cyclopentene, 1,2-dimethyl-1-	SE-30
0764	hexane, 3,4-dimethyl	OV-101
0764	pentane, 3-ethyl-3-methyl	OV-101
0765	acetonitrile, bromochloro	OV-1
0766	acetic acid, isobutyl ester	SE-30
0766	dioxolane, 2-ethyl-4-methyl	OV-1
0766	dioxolane, 2-ethyl-4-methyl	SP-2100
0766	dioxolane, 2-ethyl-4-methyl	OV-1
0766	heptane, 2-methyl	OV-101
0766	methane, dibromochloro	OV-1
0766	pentane, 2,2,4,4-tetramethyl	OV-101
0767	benzene, methyl, (toluene)	SE-30
0767	cyclopentane, chloro	Me silicone
0768	acetonitrile, bromochloro	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0768	heptane, 4-methyl	OV-101
0768	hexanone, 3-	SE-30
0768	methane, dibromochloro	OV-1
0768	methane, dibromochloro	SP-2100
0768	methane, dibromochloro	OV-1
0769	acetonitrile, bromochloro	OV-1
0769	butene, 3,4-dichloro-1-	Me silicone
0769	heptane, 3-methyl	OV-101
0769	pentane, 2-bromo	Me silicone
0770	cyclohexane, cis-1,3-dimethyl	OV-101
0770	hexane, 3,4-dimethyl	OV-101
0770	hexane, 3-ethyl	OV-101
0770	propanoic acid, 2-propenyl ester	SE-30
0771	cyclohexadiene, 1-methyl-1,3-	SE-30
0772	cyclohexane, trans-1,4-dimethyl	OV-101
0772	cyclohexene, 1-methyl	SE-30
0773	cyclohexene, 1-methyl	SE-30
0773	cyclopentane, cis-1-trans-2,4-trimethyl	OV-101
0773	hexanal	OV-1
0773	hexanal	OV-1
0773	hexanal	SP-2100
0773	pentane, 2,2,4,4-tetramethyl	OV-101
0774	heptane, 3-methyl	OV-101
0775	hexane, 3-ethyl	OV-101
0776	cyclohexane, cis-1,3-dimethyl	OV-101
0776	methane, dibromochloro	Me silicone
0777	octadiene, 1,7-	SE-30
0778	cyclohexane, 1,1-dimethyl	OV-101
0778	cyclohexane, trans-1,4-dimethyl	OV-101
0778	mercaptan, allyl (1-propen-3-thiol)	SE-30
0779	methane, dichloroiodo	OV-1
0780	ethylamine, 2-hydroxy (ethanolamine)	OV-1
0781	butyric acid, ethyl ester	SE-30
0781	hexane, 2,2,5-trimethyl	OV-101
0781	propanoic acid (propionic acid)	OV-101
0783	cycloheptene	SE-30
0783	cyclohexane, trans-1,3-dimethyl	SE-30
0783	sulphide, ethylpropyl	SE-30
0784	cycloheptatriene, 1,3,5-	SE-30
0784	ethane, 1,2-dibromo	Me silicone
0784	hexane, 2,2,5-trimethyl	SE-30
0785	butane, 1,2-dichloro	Me silicone
0785	cycloheptatriene, 1,3,5-	SE-30
0785	cyclohexane, trans-1,4-dimethyl	SE-30
0786	hexane, 2,2,5-trimethyl	OV-1
0786	methane, dichloroiodo	OV-1
0786	octene, 1-	OV-101
0787	butyric acid, ethyl ester	SE-30
0787	methane, dichloroiodo	OV-1
0787	sulphoxide, dimethyl	DB-1
0788	cycloheptene	SE-30
0789	ethene, tetrachloro	SP-2100
0789	ethene, tetrachloro	OV-1
0789	ethene, tetrachloro	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0789	hexane, 2,2,4-trimethyl	OV-101
0789	octene, 1-	SE-30
0790	octene, 1-	SE-30
0790	piperidine	OV-1
0792	acetic acid, butyl ester	SE-30
0792	cyclohexane, trans-1,2-dimethyl	OV-101
0792	cyclopentanol	SE-30
0792	phosphonofluoridic acid, methyl-, 1-methylethyl ester (Sarin)	DB-1
0793	acetic acid, 1,1-dimethylpropyl ester	SE-30
0793	acetic acid, butyl ester	SE-30
0793	ethylene, trans-1,2-di-t-butyl	SE-30
0794	acetone, 1,1-dichloro	OV-1
0794	acetone, 1,1-dichloro	OV-1
0794	cycloheptane	SE-30
0795	hexane, 2-chloro	Me silicone
0795	hexane, 3-chloro	Me silicone
0795	mercaptan, pentyl	OV-1
0795	methane, dichloroiodo	OV-1
0795	methane, dichloroiodo	SP-2100
0797	butane, 1-iodo	OV-1
0797	cycloheptane	SE-30
0797	ethene, tetrachloro	SE-30
0798	ether, 2-bromoethyl ethyl	Me silicone
0799	acetic acid, 1-methyl-3-butenyl ester	SE-30
0799	acetic acid, butyl ester	SE-30
0800	cycloheptadiene, 1,3-	SE-30
0800	cyclohexadiene, 1-methyl-1,4-	SE-30
0800	ethene, tetrachloro	Me silicone
0800	octane, n-	OV-101
0801	lactic acid, ethyl ester	SE-30
0801	pyrazine, 2-methyl	OV-101
0801	pyrazine, 2-methyl	OV-101
0802	acetic acid, butyl ester	SE-30
0802	butane, 1-iodo	Me silicone
0803	ethane, 1,2-dibromo	OV1-1/SE-54
0803	lactic acid, ethyl ester	OV-101
0804	cyclohexane, cis-1,3-dimethyl	SE-30
0804	cyclohexane, trans-1,2-dimethyl	SE-30
0805	ethane, 1,2-dibromo	OV1-1/SE-54
0806	pyrazine, 2-methyl	OV-101
0808	mercaptan, pentyl	OV-1
0808	valeric acid, methyl ester	SE-30
0809	acetic acid, bromomethyl ester	Me silicone
0809	butane, 1,3-dichloro	Me silicone
0810	cyclohexane, cis-1,4-dimethyl	SE-30
0810	morpholine	OV-1
0811	acetic acid, 1,2-dimethylpropyl ester	SE-30
0811	cycloheptadiene, 1,3-	SE-30
0811	oct-1-yne	SE-30
0812	butene, cis-1,3-dichloro-2-	Me silicone
0812	furfuraldehyde	OV-101
0814	butane, 1-iodo	SE-30
0814	ethene, tetrachloro	SE-30
0814	hexen-1-ol, trans-3-	SE-30

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0814	pyridine, 2-methyl	OV-101
0815	acetone, 1,1,1-trichloro	OV-1
0815	acetone, 1,1,1-trichloro	SP-2100
0815	acetone, 1,1,1-trichloro	OV-1
0815	cycloheptadiene, 1,3-	SE-30
0815	propanoic acid, 2-methyl, 2-propenyl ester (allyl isobutyrate)	SE-30
0817	heptane, 2,2-dimethyl	OV-101
0818	hexen-1-ol, cis-3-	SE-30
0819	butane, 1,4-dichloro	Me silicone
0819	pentane, 1-bromo	Me silicone
0820	benzene, chloro	OV-1
0820	benzene, chloro	SP-2100
0820	benzene, chloro	OV-1
0820	butenoic acid, 2-, ethyl ester (ethyl crotonate)	SE-30
0820	cyclohexane, cis-1,2-dimethyl	OV-101
0821	heptane, 2,4-dimethyl	OV-101
0821	hexane, 2,2,3-trimethyl	OV-101
0822	methane, tribromo	OV-1
0823	heptane, 4,4-dimethyl	OV-101
0824	cyclohexane, vinyl	SE-30
0825	cyclohexane, cis,cis,cis-1,3,5-trimethyl	OV-101
0825	cyclohexene, 1,3-dimethyl-1-	SE-30
0825	cyclohexene, 1,4-dimethyl-1-	SE-30
0827	benzene, chloro	OV-1
0827	heptane, 2,6-dimethyl	OV-101
0827	methane, tribromo	OV-1
0827	propane, 1,1,2-trichloro	Me silicone
0828	acetic acid, 1-methylbutyl ester	SE-30
0828	acetic acid, 1-methylbutyl ester	SE-30
0828	benzene, chloro	SE-30
0829	butane, 2-iodo-2-methyl	Me silicone
0829	butene, trans-1,3-dichloro-2-	Me silicone
0830	benzene, ethyl	OV-1
0832	cyclohexane, 1,1,3-trimethyl	OV-101
0832	picoline, beta (3-methylpyridine)	OV-1
0832	picoline, gamma (4-methylpyridine)	OV-1
0833	acetic acid, dichloromethyl ester	Me silicone
0833	cyclohexane, 1,1,4-trimethyl	OV-101
0833	cyclohexene, 4-vinyl-1-	SE-30
0833	ethane, 1,1,1,2-tetrachloro	Me silicone
0833	heptane, 2,5-dimethyl	OV-101
0833	pentane, 2,4-dimethyl-3-ethyl	OV-101
0834	butanoic acid, (butyric acid)	OV-101
0834	cyclohexane, cis-1,2-dimethyl	SE-30
0834	hexane, 2,3,3-trimethyl	OV-101
0835	heptane, 3,3-dimethyl	OV-101
0835	propane, 1,2-dibromo	Me silicone
0835	propenoic acid, 2-methyl, propyl ester (propyl methacrylate)	SE-30
0837	butene, 1-bromo-3-methyl	Me silicone
0837	cyclohexane, ethyl	SE-30
0837	oxalic acid, dimethyl ester	SE-30
0839	benzene, chloro	SE-30
0840	benzene, ethyl	SP-2100
0840	benzene, ethyl	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0840	cyclohexene, 4-vinyl-1-	SE-30
0840	methane, tribromo	OV-1
0841	picoline, beta (3-methylpyridine)	OV-101
0841	propane, 1-bromo-3-chloro	Me silicone
0842	propane, 1,2-dibromo	OV1-1/SE-54
0843	benzene, ethyl	OV-101
0843	penta-2,4-dione	SE-30
0844	benzene, chloro	SE-30
0844	hexane, 1-chloro	Me silicone
0845	chloroacetic acid, methylethyl ester	SE-30
0845	cyclohexane, cis,trans,trans-1,2,4-trimethyl	OV-101
0845	cyclopentane, bromo	Me silicone
0846	benzene, ethyl	OV-1
0846	ether, 1,2-dichloroethyl ethyl	Me silicone
0848	benzene, ethyl	OV-1
0848	hexanol, 1-	SE-30
0849	benzene, 1,3-dimethyl, (m-xylene)	OV-1
0849	benzene, 1,3-dimethyl, (m-xylene)	SP-2100
0849	benzene, 1,3-dimethyl, (m-xylene)	OV-1
0849	benzene, ethyl	SE-30
0849	cyclohexane, cis,cis,trans-1,3,5-trimethyl	OV-101
0849	propane, 1,2-dibromo	OV1-1/SE-54
0850	benzene, 1,4-dimethyl, (p-xylene)	SP-2100
0850	benzene, 1,4-dimethyl, (p-xylene)	OV-1
0850	benzene, 1,4-dimethyl, (p-xylene)	OV-1
0850	benzene, ethyl	SE-30
0851	sulphone, dimethyl	DB-1
0851	thiophene, 2-ethyl	SE-30
0852	benzene, 1,3-dimethyl, (m-xylene)	OV-101
0852	methane, tribromo	OV-1
0852	propene, 2,3-dibromo	Me silicone
0852	propene, cis-1,2,3-trichloro	Me silicone
0853	acetic acid, 3-methylbutyl ester	SE-30
0853	acetic acid, 3-methylbutyl ester	SE-30
0853	benzene, 1,4-dimethyl, (p-xylene)	OV-101
0853	butanoic acid, 2-propenyl ester	SE-30
0853	heptane, 2,3-dimethyl	OV-101
0854	benzene, 1,3-dimethyl, (m-xylene)	SE-30
0854	benzene, 1,4-dimethyl, (p-xylene)	SE-30
0854	benzene, ethyl	SE-30
0854	hexanol, 1-	SE-30
0854	thiophene, 2,5-dimethyl	SE-30
0855	methane, tribromo	SP-2100
0855	methane, tribromo	OV-1
0855	methane, tribromo	OV-1
0856	furan, 2-hydroxymethyl (furfuryl alcohol)	OV-101
0856	propenoic acid, 2-methyl, propyl ester (propyl methacrylate)	SE-30
0857	acetonitrile, dibromo	OV-1
0858	benzene, 1,3-dimethyl, (m-xylene)	Me silicone
0858	benzene, 1,3-dimethyl, (m-xylene)	SE-30
0858	benzene, 1,4-dimethyl, (p-xylene)	SE-30
0858	benzene, 1,4-dimethyl, (p-xylene)	Me silicone
0858	heptane, 4-ethyl	OV-101
0859	benzene, ethyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0859	pyridine, 3-methyl	OV-101
0860	acetonitrile, dibromo	OV-1
0860	methane, bis-(methylthio)	OV-1
0860	methane, tribromo	Me silicone
0861	acetic acid, 4-pentenyl ester	SE-30
0861	acetonitrile, dibromo	OV-1
0861	octane, 4-methyl	OV-101
0861	pyrazine, chloro	OV-101
0862	cyclohexylamine	SE-30
0862	ethanol, 2,2,2-trichloro	SE-30
0862	ethyne, phenyl	SE-30
0862	hexadiene, 2,5-dimethyl-2,4-	SE-30
0862	thiophene, 3-ethyl	SE-30
0863	butenoic acid, 2-, isopropyl ester (isopropyl crotonate)	SE-30
0863	octane, 2-methyl	OV-101
0863	pyridine, 4-methyl	OV-101
0864	benzene, 1,3-dimethyl, (m-xylene)	SE-30
0864	benzene, 1,4-dimethyl, (p-xylene)	SE-30
0864	benzene, 1,4-dimethyl, (p-xylene)	OV-101
0864	benzene, 1,4-dimethyl, (p-xylene)	OV-101
0865	benzene, 1,4-dimethyl, (p-xylene)	OV-101
0866	carbamic acid, 2-methyl-2(-methylthio)propylidene amino ester (aldicarb)	SE-30
0866	heptanone, 3-	OV-1
0866	heptanone, 3-	OV-1
0866	heptanone, 3-	SP-2100
0867	acetonitrile, dibromo	OV-1
0867	cyclohexane, cis,trans,cis-1,2,3-trimethyl	OV-101
0867	disulphide, ethylmethyl	SE-30
0867	methane, tribromo	Me silicone
0867	pyrazole, 4-chloro	OV-1
0868	benzene, 1,4-dimethyl, (p-xylene)	SE-30
0868	butane, 1-iodo-3-methyl	Me silicone
0868	heptane, 3-ethyl	OV-101
0868	styrene, (vinylbenzene)	SP-2100
0869	cyclohexane, cis,trans,cis-1,2,4-trimethyl	OV-101
0869	disulphide, ethylmethyl	OV-1
0869	disulphide, ethylmethyl	OV-1
0869	octane, 3-methyl	OV-101
0870	chloroacetic acid, 2-propenyl ester	SE-30
0870	cyclohexane, ethylidene	SE-30
0870	pyridine, 2-chloro	OV-101
0871	amine, methylhexyl	OV-101
0871	benzene, 1,2-dimethyl, (o-xylene)	OV-1
0871	benzene, 1,2-dimethyl, (o-xylene)	OV-1
0871	benzene, 1,2-dimethyl, (o-xylene)	SP-2100
0873	dibutyl ether	OV-1
0873	dibutyl ether	SP-2100
0873	dibutyl ether	OV-1
0873	propenoic acid, butyl ester (butyl acrylate)	SE-30
0874	benzene, 1,2-dimethyl, (o-xylene)	OV-1
0874	benzene, 1,2-dimethyl, (o-xylene)	OV-101
0874	butene, cis-1,4-dichloro-2-	Me silicone
0874	heptane, 2,4,6-trimethyl	OV-101
0875	benzene, 1,2-dimethyl, (o-xylene)	OV-1

INDEX	COMPOUND NAME	PHASE
0875	benzene, 1,2-dimethyl, (o-xylene)	OV-1
0875	propane, 2,2-dimethyl-1,3-dichloro	Me silicone
0875	styrene, (vinylbenzene)	SE-30
0876	acrylonitrile	OV-1
0876	benzene, 1,2-dimethyl, (o-xylene)	OV-1
0876	ethane, 1,1,2,2-tetrachloro	OV-1
0876	heptanal	SP-2100
0876	heptanal	OV-1
0876	heptanal	OV-1
0876	pyridine, 2,6-dimethyl	OV-101
0876	styrene, (vinylbenzene)	SE-30
0877	methane, bromochloroiodo	OV-1
0877	pyrazine, 2-methoxy	OV-101
0877	pyrazine, 2-methoxy	OV-101
0878	propenoic acid, butyl ester (butyl acrylate)	SE-30
0879	benzene, 1,2-dimethyl, (o-xylene)	Me silicone
0879	benzene, 1,2-dimethyl, (o-xylene)	SE-30
0880	benzene, 1,2-dimethyl, (o-xylene)	SE-30
0880	cyclohexane, chloro	Me silicone
0880	cyclooctatetraene, 1,3,5,7-	SE-30
0880	styrene, (vinylbenzene)	SE-30
0881	cyclohexane, cis-1-ethyl-3-methyl	OV-101
0881	cyclohexanone	SE-30
0883	methane, bromochloroiodo	OV-1
0884	ethene, bromotrichloro	SP-2100
0884	methane, bromochloroiodo	SP-2100
0884	methane, bromochloroiodo	OV-1
0884	nonene, 1-	SP-2100
0884	nonene, 1-	OV-1
0884	sulphide, dipropyl	OV-1
0884	valeric acid, ethyl ester	SE-30
0885	benzene, 1,2-dimethyl, (o-xylene)	SE-30
0885	chloroacetic acid, 2-propynyl ester	SE-30
0885	cyclohexanol	SE-30
0885	pentane, 1-bromo-4-methyl	Me silicone
0886	ethane, 1,1,2,2-tetrachloro	Me silicone
0886	pentane, 2-bromo-2,4-dimethyl	Me silicone
0886	propane, 1,2,3-trichloro	OV-1
0886	propane, 1,2,3-trichloro	SP-2100
0886	propane, 1,2,3-trichloro	OV-1
0886	styrene, (vinylbenzene)	SE-30
0887	cyclohexen-1-ol, 2-	SE-30
0887	nonene, 1-	OV-101
0888	cyclohexane, chloro	SE-30
0888	ethane, 1,1,2,2-tetrachloro	OV-1
0888	ethane, 1,1,2,2-tetrachloro	OV-1
0888	ethane, 1,1,2,2-tetrachloro	SP-2100
0889	nonene, 1-	SE-30
0889	pyrazine, 2,5-dimethyl	OV-101
0889	pyrazine, 2,6-dimethyl	OV-101
0889	pyrazine, 2,6-dimethyl	OV-101
0890	pyridine, 3-chloro	OV-101
0890	sulphide, dipropyl	OV-1
0891	chloroacetic acid, dimethylethyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0891	cyclohexanol	SE-30
0892	acetic acid, pentyl ester	SE-30
0894	cyclohex-1-ene, 1-chloro	SE-30
0894	heptane, 2-chloro	Me silicone
0894	propane, 1,2,3-trichloro	Me silicone
0894	pyrazine, 2-ethyl	OV-101
0894	pyrazine, 2-ethyl	OV-101
0895	benzonitrile	OV-1
0895	benzonitrile	SP-2100
0895	butene, trans-1,4-dichloro-2-	Me silicone
0895	malonic acid, dimethyl ester	SE-30
0895	propene, trans-1,2,3-trichloro	Me silicone
0895	pyrazine, chloro	OV-101
0896	furan, 2-acetyl	OV-101
0896	thiophene, 2-propyl	SE-30
0897	pyrazine, 2,3-dimethyl	OV-101
0897	pyrazine, 2,3-dimethyl	OV-101
0898	acetic acid, pentyl ester	SE-30
0900	butanoic acid, methyl ester	OV-101
0900	cyclohexadiene, 1-ethyl-1,4-	SE-30
0900	cyclohexanone	SE-30
0900	cyclooctene	SE-30
0901	cyclohexane, trans-1-ethyl-2-methyl	OV-101
0901	isobutyric acid, isobutyl ester	SE-30
0901	pyrazine, 2,3-dimethyl	OV-101
0903	butane, rac-2,3-dichloro	Me silicone
0903	cyclohexane, 1-ethyl-1-methyl	OV-101
0903	disulphide, diethyl	OV-1
0904	cyclohexadiene, 1-methoxy-1,3-	SE-30
0904	cyclohexane, cis-1-ethyl-4-methyl	OV-101
0904	methane, diiodo	Me silicone
0906	benzene, isopropyl, (cumene)	OV-1
0906	benzene, isopropyl, (cumene)	OV-1
0906	benzene, isopropyl, (cumene)	SP-2100
0906	bromoacetic acid, methylethyl ester	SE-30
0907	acetic acid, trichloromethyl ester	Me silicone
0907	hexanoic acid, methyl ester	SE-30
0907	pyrazine, 2-vinyl	OV-101
0908	disulphide, diethyl	OV-1
0909	benzene, isopropyl, (cumene)	OV-101
0910	benzene, isopropyl, (cumene)	SE-30
0910	cyclohexane, isopropyl	SP-2100
0910	cyclohexane, isopropyl	OV-1
0910	cyclohexane, isopropyl	OV-1
0910	cyclooctene	SE-30
0910	sulphide, methylpentyl	SE-30
0912	pentane, 1-iodo	Me silicone
0913	benzene, 1,4-dichloro	SE-30
0913	benzene, isopropyl, (cumene)	SE-30
0913	benzene, isopropyl, (cumene)	Me silicone
0913	cyclohexane, isopropyl	OV-101
0913	disulphide, propylmethyl	SE-30
0914	butenoic acid, 4-methyl-2-, gamma-lactone	OV-101
0915	benzene, isopropyl, (cumene)	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0915	butane, meso-2,2-dichloro	Me silicone
0915	butanoic acid, 3-methyl, 2-propenyl ester	SE-30
0915	cyclohexane, isopropyl	SE-30
0916	anisole	SE-30
0917	butenoic acid, 2-, propyl ester (propyl crotonate)	SE-30
0918	dichloroacetic acid, methylethyl ester	SE-30
0918	octane, 2,2-dimethyl	OV-101
0918	propane, 1,1,1,2-tetrachloro	Me silicone
0919	benzoquinone, 1,4-	SE-30
0919	cyclohexane, allyl	SE-30
0919	propane, 1,3-dibromo	Me silicone
0920	cyclohexen-1-one, 2-	SE-30
0920	cyclooctane	SE-30
0920	octane, 4,4-dimethyl	OV-101
0921	benzene, isopropyl, (cumene)	SE-30
0921	cyclohexane, cis-1-ethyl-2-methyl	OV-101
0921	cyclohexane, n-propyl	SP-2100
0921	cyclohexane, n-propyl	OV-1
0921	cyclohexane, n-propyl	OV-1
0922	octene, 3,7-dimethyl-2	SE-30
0922	octene, 3,7-dimethyl-3	SE-30
0923	cyclohexane, n-propyl	OV-101
0923	heptanone, 5-methyl-3-	OV-1
0923	hexane, 1-bromo	Me silicone
0924	pyridine, 2,4-dimethyl	OV-101
0926	cyclohexylamine, 3-methyl	SE-30
0926	cyclooctadiene, 1,5-	SE-30
0926	phenol	SE-30
0926	pinene, (+)-gamma-	OV-101
0926	pyridine, 2,5-dimethyl	OV-101
0927	hexane, 2-bromo-2-methyl	Me silicone
0928	propenoic acid, 2-methyl, 2-methylpropyl ester (2-methylpropyl methacrylate)	SE-30
0929	benzaldehyde	OV-1
0929	benzaldehyde	OV-1
0929	benzene, allyl	SE-30
0929	octane, 2,7-dimethyl	OV-101
0930	benzene, bromo	SE-30
0930	butane, 1,4-diamino (putrescine)	OV-1
0931	cyclohexane, n-propyl	SE-30
0931	toluene, 2-chloro	OV-1
0932	cyclooctane	SE-30
0932	hexanal, 2-ethyl	OV-1
0932	hexanal, 2-ethyl	SP-2100
0932	hexanal, 2-ethyl	OV-1
0932	octane, 2,6-dimethyl	SE-30
0932	toluene, 3-chloro	OV-1
0934	benzene, allyl	SE-30
0934	octane, 2,6-dimethyl	OV-101
0934	octane, 3,3-dimethyl	OV-101
0936	benzene, propyl	OV-1
0936	benzene, propyl	SP-2100
0936	benzene, propyl	OV-1
0936	propanone, 1,1,3-trichloro-2-	Me silicone
0936	toluene, 4-chloro	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0937	amine, tri-n-propyl	DB-1
0937	benzene, propyl	OV-101
0937	hexane, 3,4-diethyl	OV-101
0938	benzene, propyl	SE-30
0939	cyclohexadiene, 1-methoxy-1,4-	SE-30
0940	heptane, 3-ethyl-3-methyl	OV-101
0940	indene, octahydro	OV-1
0940	indene, octahydro	SP-2100
0940	indene, octahydro	OV-1
0940	pyridine, 2,3-dimethyl	OV-101
0941	benzene, propyl	SE-30
0941	chloroacetic acid, 1-methylpropyl ester	SE-30
0943	amine, di-n-butyl	OV-101
0943	bromoacetic acid, 2-propenyl ester	SE-30
0944	benzene, 1-ethyl-4-methyl	OV-1
0944	benzene, 1-ethyl-4-methyl	SP-2100
0944	benzene, 1-ethyl-4-methyl	OV-1
0944	benzene, propyl	SE-30
0945	benzene, 1-ethyl-3-methyl	OV-101
0945	butane, 1,2-dibromo	Me silicone
0945	cyclohexanone, 3-methyl	SE-30
0945	heptane, 4-propyl	OV-101
0946	benzene, 1-ethyl-3-methyl	OV-1
0946	benzene, 1-ethyl-3-methyl	OV-1
0946	benzene, 1-ethyl-3-methyl	SP-2100
0946	dichloroacetic acid, 2-propenyl ester	SE-30
0946	heptane, 3-ethyl-2-methyl	OV-101
0947	benzaldehyde	OV-101
0947	cyclohexanol,3-methyl	SE-30
0948	benzene, 1-ethyl-3-methyl	SE-30
0948	benzene, 1-ethyl-4-methyl	SE-30
0948	heptanol, 1-	SE-30
0948	oxalic acid, diethyl ester	SE-30
0948	trisulphide, dimethyl	SE-30
0948	trisulphide, dimethyl	OV-101
0949	benzene, 1-ethyl-3-methyl	SE-30
0949	bromoacetic acid, dimethylethyl ester	SE-30
0949	cyclooctadiene, 1,5-	SE-30
0949	pyrazine, 2-isopropyl	OV-101
0950	benzaldehyde	OV-1
0950	benzene, propyl	SE-30
0950	ethane, pentachloro	OV-1
0950	ethane, pentachloro	SP-2100
0950	ethane, pentachloro	OV-1
0950	furoic acid, methyl ester	SE-30
0950	heptane, 1-chloro	Me silicone
0951	pyrazine, 2-chloro-3-methyl	OV-101
0952	benzene, 1,3,5-trimethyl	OV-1
0952	benzene, 1,3,5-trimethyl	SE-30
0952	benzene, 1,3,5-trimethyl	OV-1
0952	benzene, 1,3,5-trimethyl	SP-2100
0952	benzene, 1-ethyl-3-methyl	SE-30
0952	benzene, 1-ethyl-4-methyl	SE-30
0953	benzene, 1,3,5-trimethyl	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0953	benzene, 1,3,5-trimethyl	OV-1
0953	benzene, 1,3,5-trimethyl	OV-1
0953	benzene, 1,3,5-trimethyl	OV-101
0953	heptanol, 1-	OV-101
0953	octane, 2,3-dimethyl	OV-101
0954	benzene, 1,3,5-trimethyl	OV-1
0954	benzene, 1-ethyl-4-methyl	SE-30
0954	pyrazine, 2-methoxy-3-methyl	OV-101
0954	pyrazine, 2-methoxy-3-methyl	OV-101
0954	trisulphide, dimethyl	SE-30
0955	heptanol, 1-	SE-30
0955	hydrindane, trans- (hexahydroindane)	SE-30
0955	nonane, 4-methyl	OV-101
0955	pentanone, 2,2,4,4-tetramethyl-3-, (di-t-butyl ketone)	SP-2100
0955	pentanone, 2,2,4,4-tetramethyl-3-, (di-t-butyl ketone)	OV-1
0955	pentanone, 2,2,4,4-tetramethyl-3-, (di-t-butyl ketone)	OV-1
0955	pyridine, 4-cyano	OV-101
0956	benzene, propyl	Me silicone
0956	chloroacetic acid, 2-methylpropyl ester	SE-30
0956	ether, 2,2'-dichlorodiethyl	Me silicone
0958	bromoacetic acid, 2-propynyl ester	SE-30
0958	cyanoacetic acid, ethyl ester	OV1-1/SE-54
0959	benzene, 1,3,5-trimethyl	SE-30
0959	phenol	OV-1
0959	pyrazine, 2-ethoxy	OV-101
0959	pyrazine, 2-ethoxy	OV-101
0960	benzene, 1,3,5-trimethyl	SE-30
0960	cyanoacetic acid, ethyl ester	OV1-1/SE-54
0960	dichloroacetic acid, dimethylethyl ester	SE-30
0960	nonane, 5-methyl	OV-101
0960	pentanoic acid, 2-propenyl ester	SE-30
0961	benzaldehyde	SE-30
0961	benzene, 1-ethyl-2-methyl	SP-2100
0961	benzene, 1-ethyl-2-methyl	OV-101
0961	benzene, 1-ethyl-2-methyl	OV-1
0961	benzene, 1-ethyl-2-methyl	OV-1
0961	ethene, tribromo	Me silicone
0961	octane, 4-ethyl	OV-101
0962	dichloroacetic acid, 2-propynyl ester	SE-30
0962	hepten-2-one, 6-methyl-5-	OV-1
0962	phenol	SE-30
0962	propenoic acid, 2-methyl, butyl ester (butyl methacrylate)	SE-30
0963	benzene, 1-ethyl-2-methyl	SE-30
0963	octene, 3,7-dimethyl-1	SE-30
0963	propane, 1,2,2,3-tetrachloro	Me silicone
0963	styrene, alpha-methyl	SE-30
0964	nonane, 2-methyl	OV-101
0964	styrene, alpha-methyl	SE-30
0965	benzene, 1-ethyl-2-methyl	SE-30
0965	ethane, pentachloro	Me silicone
0965	phenol, 2-chloro	OV-1
0965	pinene, (-)-beta-	OV-101
0967	acetic acid, 2-furfuryl ester	OV-101
0967	acetic acid, trans-3-hexenyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0967	octane, 3-ethyl	OV-101
0968	benzene, 1-ethyl-2-methyl	SE-30
0968	styrene, alpha-methyl	SE-30
0969	acetic acid, cis-3-hexenyl ester	SE-30
0969	chloroacetic acid, 3-butenyl ester	SE-30
0969	cyclohexane, bromo	Me silicone
0969	cyclohexane, bromo	SE-30
0969	pyrazine, 2-isopropyl	OV-101
0969	pyrazine, 2-methyoxy-5-methyl	OV-101
0970	cyclohexane, trans-1-methyl-4-isopropyl	OV-101
0970	nonane, 3-methyl	OV-101
0970	pinene, alpha-	SE-30
0971	hexane, 3,3,4,4-tetramethyl	OV-101
0972	pyridine, 3,5-dimethyl	OV-101
0972	trisulphide, dimethyl	SE-30
0973	benzene, 1-methyl-3-vinyl	SE-30
0973	butane, 1,3-dibromo	Me silicone
0973	pentane, 3-ethyl-2,4-dimethyl	OV-1
0973	pentane, 3-ethyl-2,4-dimethyl	SP-2100
0973	pentane, 3-ethyl-2,4-dimethyl	OV-1
0974	cadaverine	SE-30
0975	benzene, 1,2,4-trimethyl	SE-30
0975	benzene, t-butyl	SE-30
0975	benzene, t-butyl	OV-101
0975	cyclohex-1-ene, 1-bromo	SE-30
0975	hydrindane, cis- (hexahydroindane)	OV-1
0976	benzonitrile	OV1-1/SE-54
0977	adamantane, 1-chloro	OV-101
0977	benzene, 1,2,4-trimethyl	OV-1
0977	benzene, 1,2,4-trimethyl	OV-101
0977	benzene, 1,2,4-trimethyl	SP-2100
0977	benzene, 1,2,4-trimethyl	OV-1
0978	benzene, 1-methyl-4-vinyl	SE-30
0978	benzene, 1-methyl-4-vinyl	SE-30
0978	propenoic acid, pentyl ester (pentyl acrylate)	SE-30
0980	pyrazine, 2,3,5-trimethyl	OV-101
0980	pyrazine, 2-ethyl-5-methyl	OV-101
0980	pyrazine, 2-ethyl-5-methyl	OV-101
0981	benzene, 1,3-dichloro	OV-1
0981	hexanoic acid, ethyl ester	SE-30
0981	octanal	OV-1
0981	octanal	SP-2100
0981	octanal	OV-1
0981	pyrazine, 2,3,5-trimethyl	OV-101
0981	pyrazine, 2,5-dimethyl	OV-101
0982	benzene, 1,3-dichloro	OV-1
0982	benzene, 1,3-dichloro	OV-1
0982	benzene, 1,3-dichloro	SP-2100
0982	benzene, 1-methyl-2-vinyl	SE-30
0982	benzene, 1-methyl-3-vinyl	SE-30
0982	pyridine, 2,4,6-trimethyl	OV-101
0983	benzonitrile	OV1-1/SE-54
0983	butenoic acid, 2-, 3-methylpropyl ester	SE-30
0983	myrcene	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
0983	toluene, alpha-chloro (benzyl chloride)	OV-1
0984	benzene, 1,2,4-trimethyl	SE-30
0984	cyclohexane, cis-1-methyl-4-isopropyl	OV-101
0984	furan, 2-propionyl	OV-101
0984	furfural, 5-methyl	OV-101
0984	myrcene	SE-30
0985	benzene, 1,2,4-trimethyl	SE-30
0985	benzene, 1,4-dichloro	OV-1
0985	benzene, 1-methyl-4-vinyl	SE-30
0985	menthene, 1-	SE-30
0985	meth-2-ene, p-	SE-30
0986	pyrazine, 2-propyl	OV-101
0986	pyrazine, 2-propyl	OV-101
0987	hydrindane, cis- (hexahydroindane)	SE-30
0988	benzene, 1,4-dichloro	SP-2100
0988	benzene, 1,4-dichloro	OV-1
0988	benzene, 1,4-dichloro	OV-1
0988	cyclohexene, 3-bromo	Me silicone
0988	decene, 1-	OV-101
0988	decene, 1-	SE-30
0990	acetic acid, hexyl ester	SE-30
0990	decene, trans-2-	SE-30
0990	decene, trans-4-	SE-30
0991	benzene, 1-methyl-2-vinyl	SE-30
0992	benzene, isobutyl	SP-2100
0992	benzene, isobutyl	OV-1
0992	benzene, isobutyl	OV-101
0992	benzene, isobutyl	OV-1
0993	acetic acid, hexyl ester	SE-30
0993	benzene, 1-methylpropyl	SE-30
0993	benzene, isobutyl	SE-30
0993	nonane, 3-ethyl	OV-101
0993	pyrazine, 2-acetyl	OV-101
0993	pyrazine, 2-acetyl	OV-101
0994	cycloheptatriene, 1-methoxy	DB-1
0995	benzene, 1,4-dichloro	SE-30
0995	benzene, 1-methylpropyl	OV-101
0995	chloroacetic acid, 1,1-dimethylpropyl ester	SE-30
0995	phosphoric acid, trimethyl ester	OV-1
0995	trichloroacetic acid, methylethyl ester	SE-30
0996	benzene, 1-methylpropyl	SP-2100
0996	benzene, 1-methylpropyl	OV-1
0996	benzene, 1-methylpropyl	OV-1
0998	menth-4(8)-ene, p-	SE-30
1000	decene, trans-5-	SE-30
1000	dichlorobenzene, 1,4-	OV-1
1000	ethane, hexachloro	SE-30
1000	pyridine, 3,4-dimethyl	OV-101
1002	benzene, 1-methyl-3-isopropyl	SE-30
1002	pentane, 1,5-dichloro	Me silicone
1002	pinane, (+)cis-	SE-30
1002	succinic acid, dimethyl ester	SE-30
1003	benzene, 1-methyl-4-isopropyl	SE-30
1003	pentane, 2,4-dibromo	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1004	benzene, 1,2,3-trimethyl	OV-101
1004	chloroacetic acid, 1-methyl-3-butenyl ester	SE-30
1004	cyclooctane	SE-30
1005	benzene, 1,2,3-trimethyl	SE-30
1005	benzene, 1,2,3-trimethyl	SP-2100
1005	benzene, 1,2,3-trimethyl	OV-1
1005	benzene, 1,2,3-trimethyl	OV-1
1006	benzene, 1-isopropyl-4-vinyl	SE-30
1006	benzene, 1-methyl-3-isopropyl	OV-101
1007	benzene, 1,2-dichloro	OV-1
1007	benzene, 1,4-dichloro	Me silicone
1008	benzene, t-butyl	SE-30
1008	ethane, 1,2-diiodo	Me silicone
1008	heptanoic acid, methyl ester	SE-30
1008	propane, 1,1,2,3-tetrachloro	Me silicone
1009	benzene, 1,2,3-trimethyl	SE-30
1009	benzene, 1,2-dichloro	SP-2100
1009	benzene, 1,2-dichloro	OV-1
1009	benzene, 1,2-dichloro	OV-1
1009	cymene, p-	OV-101
1011	benzene, 1,2,3-trimethyl	SE-30
1011	butane, 1,4-dibromo	DB-1
1011	styrene, beta-methyl	SE-30
1012	chloroacetic acid, 1,2-dimethylpropyl ester	SE-30
1012	indene, 2,3-dihydro	SE-30
1013	cymene, p-	SE-30
1013	ethane, 1,1,2-tribromo	Me silicone
1013	indane	OV-101
1014	benzene, 1-methyl-4-isopropyl	SE-30
1014	bicyclopentadiene	SE-30
1014	indane	SP-2100
1014	indane	OV-1
1014	indane	OV-1
1015	dichloroacetic acid, 1-methylpropyl ester	SE-30
1016	ethane, 1,2-dibromo-1,1-dichloro	Me silicone
1017	benzene, 1,3-dichloro	SE-30
1017	benzene, 1-methyl-2-isopropyl	SE-30
1017	benzyl alcohol	SE-30
1017	indene	SE-30
1018	benzoquinone, 2-methyl-1,4-	SE-30
1018	indane	SE-30
1018	limonene	OV-1
1018	limonene	OV-101
1019	cyclohexane, (1-methylpropyl)	OV-1
1019	cyclohexane, (1-methylpropyl)	OV-1
1019	cyclohexane, (1-methylpropyl)	SP-2100
1019	dipentene	SE-30
1019	dithane, 1,4-	DB-1
1019	hexane, 1-iodo	Me silicone
1019	menthene, 1-	SE-30
1019	phenylacetaldehyde (alpha-tolualdehyde)	OV-101
1020	indene	OV-1
1020	thiophene, 2-methylthio	SE-30
1021	bromoacetic acid, 2-methylpropyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1021	butenoic acid, 2-, butyl ester (butyl crotonate)	SE-30
1021	cyclopenten-1-one, 2-hydroxy-3-methyl-2-	OV-101
1021	indane	SE-30
1022	propene, 2-methyl-3-phenyl-1-	SE-30
1023	indene	SE-30
1023	indene	SP-2100
1023	indene	OV-1
1023	limonene	SE-30
1026	cycloheptane, chloro	Me silicone
1026	cyclohexane, butyl	OV-101
1026	nonane, 2,6-dimethyl	SE-30
1027	heptane, 1-bromo	Me silicone
1027	trichloroacetic acid, 2-propenyl ester	SE-30
1028	benzene, 1-allyl-3-methyl	SE-30
1028	butene, 4-phenyl-2-	SE-30
1028	cyclohexane, butyl	SP-2100
1028	cyclohexane, butyl	OV-1
1028	cyclohexane, butyl	OV-1
1029	benzene, 1-allyl-3-methyl	SE-30
1029	diisopropyl ether, 2,2'-dichloro	SP-2100
1029	diisopropyl ether, 2,2'-dichloro	OV-1
1029	diisopropyl ether, 2,2'-dichloro	OV-1
1029	limonene	OV-101
1029	pyrazine, 2-ethoxy-3-methyl	OV-101
1030	benzene, 1,2-dichloro	Me silicone
1030	cyclohexane, butyl	SE-30
1030	dichloroacetic acid, 2-methylpropyl ester	SE-30
1030	limonene	OV-101
1031	benzene, 1,2-dichloro	SE-30
1031	chloroacetic acid, 1-methylbutyl ester	SE-30
1031	limonene	OV-101
1032	benzene, 1,3-diethyl	SE-30
1032	benzene, 1-methyl-3-propyl	SE-30
1032	cyclopentane, pentyl	SP-2100
1032	cyclopentane, pentyl	OV-1
1032	cyclopentane, pentyl	OV-1
1032	pyrazine, 2,3-dichloro	OV-101
1033	benzene, 1,3-diethyl	OV-101
1033	benzene, 1-allyl-4-methyl	SE-30
1033	benzene, 1-allyl-4-methyl	SE-30
1033	benzene, 1-methyl-3-bromo	SE-30
1033	benzene, iodo	SE-30
1034	benzene, 1,3-diethyl	SP-2100
1034	benzene, 1,3-diethyl	OV-1
1035	benzene, 1-methyl-3-propyl	OV-101
1035	benzene, 1-methyl-4-propyl	SE-30
1035	benzyl alcohol	OV-101
1035	malonic acid, diethyl ester	SE-30
1035	pentane, 1,5-diamino (cadaverine)	OV-1
1035	phenol, 2-methyl (o-cresol)	SE-30
1035	trichloroacetic acid, dimethylethyl ester	SE-30
1036	benzene, 1,3-diethyl	SE-30
1036	cyclohex-1-ene, 1-bromo-4-methyl	SE-30
1037	benzene, 1,4-diethyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1037	benzene, 1-methyl-2-bromo	SE-30
1037	benzene, butyl	SE-30
1037	pyrazine, 2-ethyl-3-methoxy	OV-101
1037	pyrazine, 3-ethyl-2-methoxy	OV-101
1038	benzene, 1,3-diethyl	SE-30
1038	bicyclo[4.3.0]nona-3,6(1)-diene	SE-30
1039	benzene, 1,4-diethyl	OV-101
1039	benzene, 1-methyl-4-propyl	OV-101
1039	cyclohexen-1-one, 3-methyl-2-	SE-30
1039	trichloroacetic acid, 2-propynyl ester	SE-30
1040	benzene, butyl	OV-101
1040	bromoacetic acid, 3-butenyl ester	SE-30
1040	pyrazine, 2-(1-methylpropyl)	OV-101
1040	pyrazine, 2-isopropyl-3-methoxy	OV-101
1040	pyrazine, sec-butyl	OV-101
1040	trioxane, 2,4,6-trimethyl-1,3,5-, (paraldehyde)	OV-1
1040	trioxane, 2,4,6-trimethyl-1,3,5-, (paraldehyde)	OV-1
1041	benzene, 1,4-diethyl	OV-1
1041	benzene, 1,4-diethyl	OV-1
1041	benzene, 1,4-diethyl	SP-2100
1041	benzene, 1-allyl-2-methyl	SE-30
1041	benzene, butyl	SP-2100
1041	benzene, butyl	SE-30
1041	benzene, butyl	OV-1
1042	benzene, 1,4-diethyl	SE-30
1042	benzene, 1-methyl-4-bromo	SE-30
1042	dichloroacetic acid, 3-butenyl ester	SE-30
1043	benzene, 1,2-diethyl	SE-30
1043	benzene, 1,3-dimethyl-5-ethyl	SE-30
1043	benzene, 1,3-dimethyl-5-ethyl	OV-101
1043	benzene, 1,4-diethyl	SE-30
1043	naphthalene, decahydro	OV-101
1043	pyrazine, 2-isobutyl	OV-101
1043	pyrazine, 2-isobutyl	OV-101
1044	benzene, 1,3-dimethyl-5-ethyl	SP-2100
1044	benzene, 1,3-dimethyl-5-ethyl	OV-1
1044	pyrazine, 2-chloro-3-ethyl	OV-101
1045	naphthalene, decahydro	OV-1
1045	naphthalene, decahydro	SP-2100
1045	naphthalene, decahydro	OV-1
1046	benzene, 1-methyl-2-propyl	SE-30
1046	benzene, nitro	OV-1
1046	benzyl alcohol	OV-1
1047	benzene, 1,2-diethyl	SE-30
1047	pyrazine, 2-ethoxy-5-methyl	OV-101
1048	benzene, neopentyl	OV-101
1048	octane, 1-chloro	Me silicone
1049	decalin, trans-	SE-30
1050	benzene, 1-methyl-2-propyl	OV-101
1050	ethylamine, 1-phenyl	OV-1
1050	octanol, 1-	SE-30
1051	limonene	SE-30
1051	triazine, 2,4,6-trichloro-1,3,5- (cyanuric chloride)	OV-1
1052	benzene, 1,2-diethyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1052	butene, 1-phenyl-2-	SE-30
1052	undecene, 1-	SE-30
1053	butane, 1,4-dibromo	Me silicone
1053	butyne, 4-phenyl-1-	SE-30
1053	limonene	OV-1
1054	butane, 2,3-dibromo-2,3-dimethyl	Me silicone
1054	methane, tetrabromo	Me silicone
1055	ethane, hexachloro	OV-1
1056	hexanoic acid, 2-propenyl ester	SE-30
1056	octanol, 1-	OV-1
1057	ethane, hexachloro	SP-2100
1057	ethane, hexachloro	OV-1
1057	ethane, hexachloro	OV-1
1057	formic acid, benzyl ester	SE-30
1057	sulphide, dibutyl	SE-30
1058	butene, 2-phenyl-1-	SE-30
1059	carbamic acid, 1-(methylthio)ethylideneamino methyl ester (methomyl)	SE-30
1059	indene	SE-30
1059	phenol, 4-methyl (p-cresol)	SE-30
1059	pyrazine, 2,5-dimethyl-3-ethyl	OV-101
1060	styrene, 2,6-dimethyl	SE-30
1060	thiophene, 3-methylthio	SE-30
1061	aniline, N,N-dimethyl	OV-1
1061	benzene, 1,3-dimethyl-4-ethyl	SE-30
1061	benzene, 1,4-dimethyl-2-ethyl	SE-30
1061	benzene, 1,4-dimethyl-2-ethyl	OV-101
1061	chloroacetic acid, 3-methylbutyl ester	SE-30
1061	decane, 4-methyl	OV-101
1061	hexanoic acid, allyl ester	SE-30
1061	propene, 2-(2-methylphenyl)-1-	SE-30
1061	pyrazine, 2-acetyl-3-methyl	OV-101
1062	aniline, N,N-dimethyl	OV-1
1062	aniline, N,N-dimethyl	OV-1
1062	benzene, 1,3-dimethyl-4-ethyl	OV-101
1062	indene	OV-1
1062	myrcenol, dihydro	OV-1
1063	benzene, 1,4-dimethyl-2-ethyl	OV-1
1063	benzene, 1,4-dimethyl-2-ethyl	SP-2100
1063	propane, 3-chloro-1,2-dibromo (nemagon, fumazone)	Me silicone
1064	aniline, N,N-dimethyl	OV-1
1064	benzene, 1,3-dimethyl-4-ethyl	SP-2100
1064	benzene, 1,3-dimethyl-4-ethyl	OV-1
1064	benzene, 1,3-dimethyl-4-ethyl	OV-1
1064	benzene, 1-ethyl-3-vinyl	SE-30
1064	benzene, 1-ethyl-3-vinyl	SE-30
1064	propenoic acid, 2-methyl, pentyl ester (pentyl methacrylate)	SE-30
1064	pyrazine, 2,6-dimethyl-3-ethyl	OV-101
1065	bromoacetic acid, 1,1-dimethylpropyl ester	SE-30
1065	cyclopentamine	SE-30
1065	decane, 2-methyl	OV-101
1065	phenol, 2-bromo	SE-30
1065	phenol, 3-methyl (m-cresol)	SE-30
1065	pyrazine, 2,3-diethyl	OV-101
1066	benzene, 1,2-dimethyl-4-ethyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1066	benzene, 1-ethyl-2,5-dimethyl	SE-30
1066	benzene, 1-ethyl-3-vinyl	SE-30
1066	propene, 2-(3-methylphenyl)-1-	SE-30
1066	pyrazine, 2,5-dimethyl-5-ethyl	OV-101
1067	benzene, 1-t-butyl-3-methyl	SE-30
1067	cyclohexane, iodo	Me silicone
1067	fenchone	OV-1
1067	fenchone	SP-2100
1067	fenchone	OV-1
1067	heptane, 2,2,4,6,6-pentamethyl	OV-101
1067	pyrazine, tetramethyl	OV-101
1068	benzene, 1,2-dimethyl-4-ethyl	OV-101
1068	dibromoacetic acid, methylethyl ester	SE-30
1068	dichloroacetic acid, 1,1-dimethylpropyl ester	SE-30
1068	propenoic acid, hexyl ester (hexyl acrylate)	SE-30
1068	pyrazine, tetramethyl	OV-101
1068	sulphide, methylphenyl	SE-30
1069	benzene, 1,2-dimethylpropyl	OV-101
1069	propene, 2-(4-methylphenyl)-1-	SE-30
1070	benzene, 1,2-dimethyl-4-ethyl	SP-2100
1070	benzene, 1,2-dimethyl-4-ethyl	OV-1
1070	benzene, 1,2-dimethyl-4-ethyl	OV-1
1070	benzene, 1,3-dimethyl-2-ethyl	SE-30
1070	benzene, 1-ethyl-2,4-dimethyl	SE-30
1070	benzene, t-pentyl	SE-30
1070	cyclohexane, iodo	SE-30
1070	cyclohexane, trans-1,4-dichloro	Me silicone
1071	benzene, 1-ethylpropyl	OV-101
1071	benzene, 1-t-butyl-3-methyl	OV-101
1071	benzoic acid, methyl ester	SE-30
1072	anisole, 3-chloro	SE-30
1072	benzene, 1-ethyl-4-vinyl	SE-30
1072	benzene, 1-ethyl-4-vinyl	SE-30
1072	benzene, 1-t-butyl-4-methyl	SE-30
1072	chloroacetic acid, 4-pentenyl ester	SE-30
1072	pyrazine, 2-methyl-3-propyl	OV-101
1073	benzene, 1,3-dimethyl-5-vinyl	SE-30
1073	benzene, 1,4-dimethyl-2-ethyl	OV-101
1073	benzene, 1-ethyl-4-vinyl	SE-30
1073	ethane, hexachloro	Me silicone
1073	ethane, rac-1,2-dibromo-1,2-dichloro	Me silicone
1075	phenol, 4-methyl (p-cresol)	OV1-1/SE-54
1076	benzene, 1,3-dimethyl-2-ethyl	SP-2100
1076	benzene, 1,3-dimethyl-2-ethyl	OV-1
1076	benzene, 1,3-dimethyl-2-ethyl	OV-1
1076	benzene, 1-t-butyl-4-methyl	OV-101
1076	benzene, t-pentyl	OV-101
1076	bromoacetic acid, 1-methyl-3-butenyl ester	SE-30
1076	ethane, meso-1,2-dibromo-1,2-dichloro	Me silicone
1076	pyrazine, 2-isopropyl-3-methoxy	OV-1
1076	pyrazine, 2-methylthio	OV-101
1076	pyrazine, 2-methylthio	OV-101
1076	styrene, 2,5-dimethyl	SE-30
1077	bromoacetic acid, 1,2-dimethylpropyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1077	dichloroacetic acid, 1-methyl-3-butenyl ester	SE-30
1077	indane, 1-methyl	SE-30
1077	phenol, 2-methoxy	OV-101
1078	phenol, 2,6-dimethyl	OV-1
1078	phenol, 2,6-dimethyl	OV-1
1078	phenol, 4-methyl (*p-cresol*)	OV1-1/SE-54
1078	phosphoramidocyanidic acid, dimethyl-, methyl ester (Tabun)	DB-1
1078	pyrazine, 2-isobutyl-3-methoxy	OV-101
1078	pyrazine, 2-isopropyl-3-methoxy	OV-101
1079	cyclohex-1-ene, 1-iodo	SE-30
1079	cyclohexane, nitro	SE-30
1079	phenol, 2,6-dimethyl	OV-1
1079	phenol, 2,6-dimethyl	OV-1
1079	phenol, 2,6-dimethyl	OV-1
1080	benzoic acid, methyl ester	SE-30
1080	heptanoic acid, ethyl ester	SE-30
1080	styrene, 2,4-dimethyl	SE-30
1080	styrene, 2,5-dimethyl	SE-30
1081	anisole, 3-chloro	SE-30
1081	indane, 1,1-dimethyl	SP-2100
1081	maleic acid, diethyl ester	OV-1
1082	anisole, 4-chloro	SE-30
1082	benzene, 1,2-dimethyl-3-ethyl	SE-30
1082	benzene, 1-methylbutyl	SE-30
1082	butenoic acid, 2-, 3-methylbutyl ester	SE-30
1082	linalool	SE-30
1083	hexane, 1-bromo-2-ethyl	Me silicone
1083	styrene, 2,4-dimethyl	SE-30
1084	anisole, 3-chloro	SE-30
1084	decalin, cis-	OV-101
1084	dichloroacetic acid, 1,2-dimethylpropyl ester	SE-30
1084	nonanal	SP-2100
1084	nonanal	OV-1
1084	nonanal	OV-1
1085	benzene, 1,3-divinyl	SE-30
1086	benzene, 1,3-divinyl	SE-30
1086	benzene, 1-ethyl-2-vinyl	SE-30
1086	benzene, 1-methylbutyl	OV-101
1087	benzene, 1,2-dimethyl-3-ethyl	OV-101
1087	decalin, cis-	SE-30
1088	pyrazine, 2-acetyl-6-methyl	OV-101
1088	pyrazine, 2-butyl	OV-101
1088	pyrazine, 2-butyl	OV-101
1088	undecene, 1-	OV-101
1089	benzene, 1-ethyl-3-isopropyl	OV-101
1089	pyrazine, 2-acetyl-6-methyl	OV-101
1090	anisole, 4-chloro	SE-30
1090	benzene, 1,2-dimethyl-3-ethyl	OV-1
1090	benzene, 1,2-dimethyl-3-ethyl	SP-2100
1091	benzene, 1-ethyl-2-vinyl	SE-30
1091	butene, 2-phenyl-2-	SE-30
1091	octanol, 3,7-dimethyl-3	SE-30
1091	phosphoric acid, triethyl ester	DB-1
1091	trichloroacetic acid, 1-methylpropyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1092	benzene, 1,3-divinyl	SE-30
1093	anisole, 2-chloro	SE-30
1093	anisole, 4-chloro	SE-30
1093	pyrazine, 2-acetyl-5-methyl	OV-101
1094	aniline, 2-chloro	OV-1
1094	benzyl cyanide	OV-1
1094	benzyl cyanide	OV-1
1094	bromoacetic acid, 1-methylbutyl ester	SE-30
1095	benzene, 1,2,4,5-tetramethyl	SE-30
1095	benzoic acid, methyl ester	SE-30
1095	imidazole	OV-1
1095	phenol, 2-nitro	SE-30
1096	acetic acid, heptyl ester	SE-30
1096	benzene, 1,4-divinyl	SE-30
1097	benzene, 1,2-dimethyl-3-vinyl	SE-30
1098	benzene, 1,2,3,5-tetramethyl	SE-30
1098	butene, 1-phenyl-1-	SE-30
1098	phenol, 2,6-dimethyl	SE-30
1099	anisole, 2-chloro	SE-30
1100	benzene, 1,2-dimethyl-4-vinyl	SE-30
1100	durene	SE-30
1100	urea, 3-(p-chlorophenyl)-1,1-dimethyl (monuron)	OV-1/SE-30
1101	pyrazine, 2-ethoxy-3-ethyl	OV-101
1101	pyrazine, 2-ethoxy-3-ethyl	OV-101
1102	anisole, 2-chloro	SE-30
1102	benzene, 1,2-divinyl	SE-30
1102	benzene, 2-methylbutyl	OV-101
1102	carbamic acid, 4-chlorobut-2-ynyl 3-chlorophenyl ester (barban)	SE-30
1102	dichloroacetic acid, 1-methylbutyl ester	SE-30
1102	propene, 1-(3-methylphenyl)-1-	SE-30
1103	benzene, 1,2,3,5-tetramethyl	OV-101
1103	benzene, 1,2,4,5-tetramethyl	OV-1
1103	benzene, 1,2,4,5-tetramethyl	SP-2100
1103	benzene, 1,2,4,5-tetramethyl	OV-1
1103	dibromoacetic acid, dimethylethyl ester	SE-30
1103	pentane, 1,4-dibromo	Me silicone
1104	ethanol, phenyl	OV-101
1104	isodurene	SE-30
1104	propene, 1-(4-methylphenyl)-1-	SE-30
1105	butene, trans-1-phenyl-1-	SE-30
1105	glutaric acid, dimethyl ester	SE-30
1106	benzene, 1,2,3,5-tetramethyl	SP-2100
1106	benzene, 1,2,3,5-tetramethyl	OV-1
1106	benzene, 1,2,3,5-tetramethyl	OV-1
1106	cyclohexane, cis-1,4-dichloro	Me silicone
1106	toluene, alpha,alpha-dichloro (benzal chloride)	OV-1
1106	trichloroacetic acid, 2-methylpropyl ester	SE-30
1107	benzene, 3-methylbutyl	OV-101
1109	benzene, 3-methylbutyl	SP-2100
1109	benzene, 3-methylbutyl	OV-1
1109	octanoic acid, methyl ester (methyl caprylate)	SE-30
1109	phosphoric acid, triethyl ester	OV-1
1110	cycloheptane, bromo	Me silicone
1111	amphetamine	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1112	pyrazine, 2,3-dimethyl-5-isopropyl	OV-101
1113	benzene, 1,3,5-trichloro	OV-1
1113	benzene, 1,3,5-trichloro	OV-1
1113	benzene, 1,3,5-trichloro	SP-2100
1114	dibromoacetic acid, 2-propenyl ester	SE-30
1115	benzene, 1-t-butyl-2-methyl	OV-101
1116	propene, 1-(2-methylphenyl)-1-	SE-30
1117	benzene, 1-isopropyl-3-vinyl	SE-30
1117	hexanoic acid, 2-ethyl	OV-1
1118	butyne, 1-phenyl-1-	SE-30
1118	butyric acid, 2-hydroxy, methyl ester	SE-30
1118	styrene, 2,6-dimethyl	SE-30
1119	butenoic acid, 2-, pentyl ester (pentyl crotonate)	SE-30
1119	decane, 2,6-dimethyl	SE-30
1119	decane, 2,6-dimethyl	OV-101
1119	propane, 1,1,2,3,3-pentachloro	Me silicone
1120	naphthalene, 2-methyldecahydro	OV-1
1120	naphthalene, 2-methyldecahydro	SP-2100
1120	naphthalene, 2-methyldecahydro	OV-1
1120	thiophene, 2-ethyl	SE-30
1121	pyrazine, 2-(ethylpropyl)	OV-101
1121	pyrazine, 2-butyl-3-methyl	OV-101
1122	trichloroacetic acid, 3-butenyl ester	SE-30
1123	heptane, 1-iodo	Me silicone
1123	phenol, 2,4-dimethyl (m-xylenol)	OV-1
1124	indene, 1-methyl	SE-30
1124	sulphide, bis(2-chloroethyl) (Mustard)	DB-1
1125	benzene, 1,2,3,4-tetramethyl	SE-30
1125	benzoquinone, 2,6-dimethyl-1,4-	SE-30
1125	bromoacetic acid, 3-methylbutyl ester	SE-30
1125	ethylamine, 2-phenyl	OV-1
1125	phenol, 2,5-dimethyl (2,5-xylenol)	OV-1
1126	benzene, 1,2,3,4-tetramethyl	SE-30
1127	cineole, 1,8-	SE-30
1127	terpineol (mixed isomers)	OV-1
1130	aniline, 2,6-dimethyl	OV-1
1130	benzene, 1,3-diethyl-5-methyl	OV-1
1130	benzene, 1,3-diethyl-5-methyl	SP-2100
1130	benzene, 1,3-diethyl-5-methyl	OV-1
1130	dibromoacetic acid, 2-propynyl ester	SE-30
1130	octanoic acid, methyl ester (methyl caprylate)	OV-1
1131	ethanol, 2,2'-thiodi	DB-1
1132	octane, 1-bromo	Me silicone
1133	benzene, 1,2,3,4-tetramethyl	OV-101
1133	dichloroacetic acid, 3-methylbutyl ester	SE-30
1133	ethylamine, 2-phenyl	SE-30
1133	pyrazine, 2-(1-methylbutyl)	OV-101
1133	pyrazine, 2-(1-methylbutyl)	OV-101
1134	phenol, 2,4-dimethyl	SE-30
1135	benzene, 1,3-diisopropyl	SE-30
1135	benzene, pentyl	SE-30
1136	naphthalene, 1,2,3,4-tetrahydro (tetralin)	OV-101
1137	benzene, 1,2,3,4-tetramethyl	OV-1
1137	benzene, 1,2,3,4-tetramethyl	SP-2100

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1137	benzene, 1,2,3,4-tetramethyl	OV-1
1137	benzene, 1-isopropyl-4-vinyl	SE-30
1137	camphor	OV-1
1137	naphthalene, 1,2,3,4-tetrahydro (tetralin)	SE-30
1137	naphthalene, 1,2-dihydro	SE-30
1137	pyrazine, 2,3-diethyl-5-methyl	OV-101
1138	phentermine	SE-30
1138	pyrazine, 2-acetyl-3-ethyl	OV-101
1138	pyrazine, 2-acetyl-3-ethyl	OV-101
1139	benzene, 1,3-diisopropyl	OV-101
1139	succinic acid, diethyl ester	SE-30
1140	phenol, 2,4-dichloro	OV-1
1141	acetic acid, benzyl ester	SE-30
1141	benzene, pentyl	OV-101
1141	naphthalene, 1,2,3,4-tetrahydro (tetralin)	OV-1
1141	naphthalene, 1,2,3,4-tetrahydro (tetralin)	OV-1
1141	toluene, 4-isobutyl	SP-2100
1142	phosphorodithioic acid, s,s'-p-dioxane-2,3-diyl o,o,o',o'-tetramethyl ester (delnav I, dioxathion)	DB-1
1142	pyrazine, 2,5-dimethyl-3-propyl	OV-101
1143	pyrazine, 2-ethoxy-5-isopropyl	OV-101
1144	naphthalene, 1,2,3,4-tetrahydro (tetralin)	SP-2100
1145	benzene, pentyl	SP-2100
1145	benzene, pentyl	OV-1
1145	benzene, pentyl	OV-1
1145	benzoic acid, ethyl ester	SE-30
1146	bromoacetic acid, 4-pentenyl ester	SE-30
1146	citronellal	SE-30
1147	dichloroacetic acid, 4-pentenyl ester	SE-30
1147	sulphide, benzylmethyl	SE-30
1147	trichloroacetic acid, 1,1-dimethylpropyl ester	SE-30
1148	benzene, 1,1-dimethylpropyl	SP-2100
1148	benzene, 1,1-dimethylpropyl	OV-1
1148	benzene, 1,1-dimethylpropyl	OV-1
1148	benzene, 1-methyl-3-iodo	SE-30
1148	limonene oxide, d-	SE-30
1148	propane, 1,2,3-tribromo	Me silicone
1148	pyrazine, 2-ethylthio	OV-101
1148	pyrazine, 2-ethylthio	OV-101
1149	benzene, 1-methyl-2-iodo	SE-30
1149	benzoic acid, ethyl ester	SE-30
1150	benzene, 1,2,4-trichloro	OV-1
1150	benzene, 1-methyl-2-iodo	SE-30
1150	naphthalene	OV-1
1150	naphthalene	OV-1
1151	naphthalene, 1,2,3,4-tetrahydro (tetralin)	SE-30
1151	pyrazine, 2,6-dimethyl-3-propyl	OV-101
1151	pyrazine, 2-(2-methylbutyl)	OV-101
1151	pyrazine, 2-(2-methylbutyl)	OV-101
1151	pyrazine, 3-methyl-2-(methylthio)	OV-101
1152	benzene, 1,4-diisopropyl	SE-30
1152	benzene, 1-t-butyl-3,5-dimethyl	SE-30
1152	naphthalene	SE-30
1153	benzoic acid, ethyl ester	OV-101
1153	pyrazine, 2-acetyl-3,5-dimethyl	OV-101

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1153	pyrazine, 2-acetyl-3,5-dimethyl	OV-101
1154	benzene, 1,2,4-trichloro	OV-1
1154	benzene, 1,2,4-trichloro	SP-2100
1154	benzene, 1,2,4-trichloro	OV-1
1154	naphthalene	OV-1
1154	nonane, 1-chloro	Me silicone
1154	pyrazine, 2,3-dimethyl-5-propyl	OV-101
1155	acetic acid, phenyl, methyl ester	SE-30
1155	benzoic acid, ethyl ester	OV-101
1155	naphthalene	OV-1
1155	naphthalene	OV-1
1156	benzoic acid, ethyl ester	OV-101
1156	menth-8-en-1-ol, p-	SE-30
1156	menthan-1-ol, p-	SE-30
1156	naphthalene	OV-1
1156	naphthalene	OV-101
1156	phenol, 2,4-dichloro	OV1-1/SE-54
1157	naphthalene	OV-1
1157	naphthalene	OV-1
1157	pyrazine, 2-isopentyl	OV-101
1157	pyrazine, 2-isopentyl	OV-101
1157	trichloroacetic acid, 1-methyl-3-butenyl ester	SE-30
1158	aniline, 3-chloro	OV-1
1158	benzene, 1,3,5-triethyl	SE-30
1158	benzene, 1,4-diisopropyl	OV-101
1158	nonanol, 1-	SE-30
1160	naphthalene	OV-1
1160	phenol, 3-ethyl	SE-30
1160	pyrazine, 2-isobutyl-3-methoxy	OV-1
1161	aniline, 4-chloro	OV-1
1161	methamphetamine	SE-30
1161	thianaphthene	OV-1
1162	menthan-8-ol, p-	SE-30
1162	naphthalene	SP-2100
1162	naphthalene	OV-1
1162	phenol, 4-ethyl	SE-30
1163	benzene, 1-t-butyl-3,5-dimethyl	OV-101
1163	heptanoic acid, allyl ester	SE-30
1163	phenol, 3,5-dimethyl	SE-30
1163	pyrazine, 5-methyl-2-(methylthio)	OV-101
1163	salicylic acid, methyl ester	DB-1
1163	trichloroacetic acid, 1,2-dimethylpropyl ester	SE-30
1164	borneol, 2-methyliso	OV-1
1164	phenol, 2,4-dichloro	OV1-1/SE-54
1165	naphthalene	OV1-1/SE-54
1165	propenoic acid, 2-methyl, hexyl ester (hexyl methacrylate)	SE-30
1165	undecane, 2-methyl	OV-101
1166	acetic acid, heptyl ester	SE-30
1166	benzene, 1-t-butyl-4-ethyl	OV-101
1167	phenol, 3,4-dimethyl (3,4-xylenol)	OV-1
1168	naphthalene	OV-1
1169	dibromoacetic acid, 1-methylpropyl ester	SE-30
1169	phenol, 2,3-dimethyl	SE-30
1170	naphthalene	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1170	pentane, 1,5-dibromo	Me silicone
1170	pyrazine, 5-isopropyl-3-methyl-2-methoxy	OV-101
1170	terpineol (mixed isomers)	OV-1
1171	phenol, 4-chloro	OV-1
1172	tetradecanoic acid, ethyl ester	OV-101
1173	phenol, 3-chloro	OV-1
1173	pyrazine, 2-chloro-5-isopropyl-3-methyl	OV-101
1174	anisole, 2,6-dichloro	SE-30
1174	cyclohex-1-ene, 1-nitro	SE-30
1177	butyric acid, hexyl ester	SE-30
1177	chloroacetic acid, trans-3-hexenyl ester	SE-30
1178	benzene, 3-amino-1,2-dimethyl	OV-1
1178	benzothiazole	OV-1
1178	trichloroacetic acid, 1-methylbutyl ester	SE-30
1179	isotetralin	SE-30
1179	pyrazine	OV-101
1180	naphthalene	OV1-1/SE-54
1181	octanoic acid, ethyl ester	SE-30
1181	salicylic acid, methyl ester	SE-30
1182	benzene, 1-methyl-4-iodo	SE-30
1182	chloroacetic acid, cis-3-hexenyl ester	SE-30
1182	phosphoric acid, triisopropyl ester	OV-1
1182	toluidine, 3-chloro-o-	OV-1
1183	borneol, 2-methyliso	OV-101
1183	phenol, 2,4-dichloro	SE-30
1183	terpineol (mixed isomers)	OV-1
1184	naphthalene	OV-1
1184	pyrazine, 3-butyl-2,5-dimethyl	OV-101
1185	anisole, 2,6-dichloro	SE-30
1185	benzene, 1-chloro-3-nitro	OV-1
1185	benzene, 3-ethyl-1,2,4-trimethyl	OV-1
1185	benzene, 3-ethyl-1,2,4-trimethyl	OV-1
1185	benzene, 3-ethyl-1,2,4-trimethyl	SP-2100
1186	benzene, 1,2,4-trichloro	SE-30
1186	naphthalene	OV-1
1187	benzothiazole	OV-1
1187	decanol	OV-1
1187	decanol	OV-1
1187	dibromoacetic acid, 2-methylpropyl ester	SE-30
1187	propene, 1-(3-methylphenyl)-1-	OV-101
1188	benzene, 1,2,3-trichloro	OV-1
1188	benzene, 1,2,3-trichloro	OV-1
1188	decanol	SP-2100
1188	naphthalene	Me silicone
1189	benzene, 1,2,3-trichloro	SP-2100
1189	dodecene, 1-	OV-101
1189	naphthalene	SE-30
1190	anisole, 2,6-dichloro	OV-101
1190	benzene, 1,3-dibromo	SE-30
1190	octanol, 3,7-dimethyl-1	SE-30
1191	benzene, 2-methylpentyl	OV-101
1191	methenamine	SE-30
1192	amine, tri-n-butyl	DB-1
1192	anisole, 2,6-dichloro	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1192	phenol, 4-chloro	SE-30
1192	pyrazine, 2-pentyl	OV-101
1192	pyrazine, 2-pentyl	OV-101
1193	benzene, 1,4-dibromo	OV-1
1193	benzene, 1-chloro-4-nitro	OV-1
1193	benzoic acid, methylethyl ester	SE-30
1193	salicylic acid, methyl ester	OV-1/SE-30
1194	phenol, 3-chloro	SE-30
1194	pyrazine, 5-sec-butly-2,3-dimethyl	OV-101
1195	aniline, 2-chloro-4-methyl	OV-1
1195	benzene, 1-ethyl-2,3,5-trimethyl	OV-1
1195	benzene, 1-ethyl-2,3,5-trimethyl	OV-1
1195	benzene, 1-ethyl-2,3,5-trimethyl	SP-2100
1195	butane, 2-methyl-2,3-dicarboxamide (trimethyl succinamide)	OV-1
1196	cyclopentane, phenyl	SE-30
1196	propene, 2-(3-vinylphenyl)-1-	SE-30
1196	pyrazine, 3-butyl-2,6-dimethyl	OV-101
1197	benzene, 1,3-dibromo	OV-1
1198	cyclohexanone, 4-t-butyl	OV-1
1199	benzene, 1-chloro-2-nitro	OV-1
1200	acetic acid, octyl ester	SE-30
1200	octanoic acid, 2-keto, methyl ester	SE-30
1200	pyrazine, 2,3-dimethyl-5-isobutyl	OV-101
1200	thianaphthene	OV-1
1201	toluidine, 6-chloro-m-	OV-1
1202	benzene, hexachloro (HCB)	OV-1
1202	butadiene, hexachloro	OV-1
1202	tetrasulphide, dimethyl	SE-30
1204	aniline, 2,6-dichloro	OV-1
1204	phenol, 2,4,6-trimethyl	SE-30
1204	phosphoramidothioic acid, O,S-dimethyl ester (methamidophos, Monitor, Tamaron)	DB-1
1205	meth-1-ene, p-	SE-30
1205	terpineol, alpha-	SE-30
1206	benzene, 1,3,5-triethyl	OV-101
1206	butadiene, hexachloro	SP-2100
1206	phenol, 2,6-dichloro	SE-30
1208	menth-8-en-2-ol, p-	SE-30
1208	naphthalene, 2-methyltetrahydro	SE-30
1208	trichloroacetic acid, 3-methylbutyl ester	SE-30
1210	dibromoacetic acid, 3-butenyl ester	SE-30
1210	phenol, 4-methoxy	SE-30
1211	amantidine	SE-30
1211	nonanoic acid, methyl ester (pelargonic acid)	SE-30
1211	phenol, 3-methoxy	SE-30
1211	phosphonofuloridic acid, methyl-, 2-methylcylcohexyl ester	DB-1
1213	adipic acid, dimethyl ester	SE-30
1215	nonanoic acid, methyl ester (pelargonic acid)	OV-1
1215	pyrazine, 2-ethylthio-3-methyl	OV-101
1215	undecane, 2,6-dimethyl	SE-30
1216	benzene, 1,2-dibromo	SE-30
1216	undecane, 2,6-dimethyl	OV-101
1218	propene, 2-(4-vinylphenyl)-1-	SE-30
1220	phosphoric acid, 2,2-dichlorovinyl dimethyl ester (DDVP, dichlorvos)	SE-30
1221	benzene, 1,2-dibromo	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1221	dibromoacetic acid, 1,1-dimethylpropyl ester	SE-30
1221	phosphoric acid, 2,2-dichlorovinyl dimethyl ester (DDVP, dichlorvos)	DB-1
1222	anisole, 3,5-dichloro	SE-30
1222	butadiene, hexachloro	Me silicone
1223	adipic acid, dimethyl ester	OV-1
1223	benzene, 1,2,4-triethyl	OV-101
1225	citronellol	SE-30
1226	benzoic acid, trimethylsilyl derivative	OV-1
1227	benzoic acid, ethyl ester	OV-1
1227	quinoline	OV-101
1228	trichloroacetic acid, 4-pentenyl ester	SE-30
1230	butan-2-one, 4-phenyl	SE-30
1230	octane, 1-iodo	Me silicone
1230	pyrazine, 2-ethoxy-5-isopropyl-3-methyl	OV-101
1232	anisole, 3,5-dichloro	SE-30
1232	naphthalene, 1,2,3,4-tetrahydro (tetralin)	SE-30
1233	benzoic acid, trimethylsilyl derivative	SE-30
1234	benzoquinone, 2-methoxy-1,4-	SE-30
1235	pyrazine, 2-methyl	OV-101
1236	benzaldehyde, 4-methoxy (anisaldehyde)	OV-101
1236	mephentermine	SE-30
1237	propanoic acid, benzyl ester	SE-30
1237	pyrazine, 2-ethyl-3-methylthio	OV-101
1238	anisole, 3,5-dichloro	SE-30
1238	benzaldehyde, 4-methoxy (anisaldehyde)	OV-101
1238	nonane, 1-bromo	Me silicone
1240	benzaldehyde, 4-methoxy (anisaldehyde)	OV-101
1240	pyrazine, 2-(2-methylpentyl)	OV-101
1240	pyrazine, 2-(2-methylpentyl)	OV-101
1241	dibromoacetic acid, 1-methyl-3-butenyl ester	SE-30
1242	phenol, 2-amino	SE-30
1243	benzoic acid, 2-propenyl ester	SE-30
1243	methane, triiodo	Me silicone
1244	anisole, 2,5-dichloro	SE-30
1244	benzene, n-hexyl	OV-101
1244	dibromoacetic acid, 1,2-dimethylpropyl ester	SE-30
1247	quinoline	OV-1
1248	isoquinoline	OV-101
1249	benzoic acid, propyl ester	SE-30
1249	toluidine, 6-chloro-o-	OV-1
1250	acetic acid, linalyl ester	SE-30
1250	pyrazine, 2-isobutyl-3,5,6-trimethyl	OV-101
1251	bromoacetic acid, trans-3-hexenyl ester	SE-30
1251	decane, 1-bromo	Me silicone
1252	benzoic acid, 2-propynyl ester	SE-30
1252	naphthalene, 2-methyl	SE-30
1252	toluidine, 2-chloro-p-	OV-1
1253	aniline, 2-chloro-4-methyl	OV-1
1253	anisole, 2,4-dichloro	SE-30
1254	anisole, 2,5-dichloro	SE-30
1254	pyrazine, 5-butyl-2,3-dimethyl	OV-101
1255	bromoacetic acid, cis-3-hexenyl ester	SE-30
1256	dichloroacetic acid, trans-3-hexenyl ester	SE-30
1256	phenol, 4-bromo	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1256	pyrazine, 5-sec-butyl-2-chloro-3-methyl	OV-101
1256	toluidine, 4-chloro-o-	OV-1
1256	toluidine, 5-chloro-o-	OV-1
1257	decanol, 1-	SE-30
1257	pyrazine, 5-isobutyl-3-methyl-2-methyox	OV-101
1258	decane, 1-chloro	Me silicone
1259	anisole, 3,4-dichloro	SE-30
1259	toluene, 6-chloro-2-nitro	OV-1
1259	tribromoacetic acid, methylethyl ester	SE-30
1260	anisole, 2,5-dichloro	SE-30
1260	phenol, 2,3,5-trimethyl	SE-30
1260	phenol, 4-chloro-3-methyl	OV-1
1261	benzene, pentamethyl	OV-101
1261	dichloroacetic acid, cis-3-hexenyl ester	SE-30
1261	salicylic acid, ethyl ester	SE-30
1262	dibromoacetic acid, 1-methylbutyl ester	SE-30
1262	octanoic acid, allyl ester	SE-30
1262	phenol, 3-bromo	SE-30
1263	anisole, 2,4-dichloro	SE-30
1263	pyrazine, 2-isobutyl-3,5,6-trimethyl	OV-101
1264	acetic acid, 2-hydroxyphenyl, methyl ester	SE-30
1264	acetic acid, phenyl, trimethylsilyl derivative	OV-1
1264	pyrazine, 2-chloro-5-isobutyl-3-methyl	OV-101
1265	phenelezine	SE-30
1266	benzene, pentamethyl	SP-2100
1266	benzene, pentamethyl	OV-1
1266	benzene, pentamethyl	OV-1
1267	naphthalene, 2-methyl	OV-101
1268	naphthalene, 1-methyl	SE-30
1268	sulphide, dipentyl	SE-30
1268	toluene, 4-chloro-2-nitro	OV-1
1269	anisole, 2,4-dichloro	SE-30
1269	ethane, 1,1,2,2-tetrabromo	Me silicone
1270	furfural, 5-(hydroymethyl)	OV-101
1270	phenol, 3-bromo	SE-30
1271	anisole, 3,4-dichloro	SE-30
1271	phenol, 2-isopropyl-5-methyl	SE-30
1272	chlorotulidine, p- (fundal metab.)	DB-1
1272	citral	OV-1
1273	naphthalene, 2-methyl	OV-1
1273	naphthalene, 2-methyl	OV-1
1273	naphthalene, 2-methyl	SP-2100
1273	pyrazine, 2-isopropyl-3-methylthio	OV-101
1273	pyrazine, 2-isopropyl-3-methylthio	OV-101
1274	phenol, 4-bromo	SE-30
1275	benzene, 1,1-diethylpropyl	OV-101
1275	undecane, 2,6,10-trimethyl	SE-30
1276	indole	OV-1
1281	acetic acid, phenyl, trimethylsilyl derivative	SE-30
1281	anisole, 3,4-dichloro	SE-30
1282	naphthalene, 1-methyl	OV-101
1282	triacetin (glyceryl triacetate)	OV-1
1283	naphthalene, 2-methyl	SE-30
1283	phenol, 3-methyl-4-chloro	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1284	anethole	OV-1
1285	benzoic acid, 1-methylpropyl ester	SE-30
1285	butadiene, hexachloro	OV-1
1286	adamantane, 1-chloro	Me silicone
1287	aniline, 2,4-dichloro	OV-1
1287	anisole, 2,3-dichloro	SE-30
1287	ether, di-n-hexyl	Me silicone
1287	naphthalene, 2-methyl	OV-1
1287	phenylpropanolamine	SE-30
1288	aniline, 2,5-dichloro	OV-1
1288	benzene, 3,5-dichloronitro	OV-1
1288	naphthalene, 1-methyl	SP-2100
1288	naphthalene, 1-methyl	OV-1
1288	naphthalene, 1-methyl	OV-1
1288	undecanol	SP-2100
1289	tridecene, 1-	OV-101
1290	acetic acid, nonyl ester	SE-30
1290	benzonitrile, 2,6-dichloro (dichlobenil)	OV-1
1293	pyrazine, 2-hexyl	OV-101
1293	pyrazine, 2-hexyl	OV-101
1293	quinoline, 2-methyl	OV-101
1294	carbamic acid, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl methyl ester (carbofuran)	SE-30
1296	acetic acid, nonyl ester	SE-30
1296	azulene	OV-1
1296	cyclohexane, phenyl	OV-101
1296	dibromoacetic acid, 3-methylbutyl ester	SE-30
1296	naphthalene, 1-methyl	SE-30
1296	phosphoramidic acid, morpholino-, dimethyl ester	DB-1
1297	tribromoacetic acid, dimethylethyl ester	SE-30
1299	anisole, 2,3-dichloro	SE-30
1300	pyrazine, 2-ethyl	OV-101
1301	benzene, 1,2,4,5-tetrachloro	OV-1
1302	anisole, 2,4,6-trichloro	OV-1
1302	naphthalene, 1-methyl	OV-1
1303	phosphorodithioic acid o,o-diethyl s-(ethylsulfinyl)methyl) ester (disyston sulfoxide)	DB-1
1304	phenol, 2,3,5-trichloro	OV-1
1304	quinoline, 8-methyl	OV-101
1305	anisole, 2,4,6-trichloro	SE-30
1305	clotermine	SE-30
1306	aniline, 2,3-dichloro	OV-1
1306	anisole, 2,3-dichloro	SE-30
1306	benzoic acid, isobutyl ester	SE-30
1306	pyrazine, 2,3-dimethyl-5-(2-methylbutyl)	OV-101
1306	pyrazine, 2-methoxy	OV-101
1306	pyrazine, 5-sec-butyl-2-ethoxy-3-methyl	OV-101
1307	benzene, 1-t-butyl-3,4,5-trimethyl	OV-101
1307	benzonitrile, 2,6-dichloro (dichlobenil)	DB-1
1307	hexane, 1,6-dibromo	Me silicone
1308	decanoic acid, methyl ester	OV-1
1308	tribromoacetic acid, 2-propenyl ester	SE-30
1309	linoleic acid, cis-	OV-1/SE-30
1310	decanoic acid, methyl ester	SE-30
1312	toluene, 4-chloro-3-nitro	OV-1
1313	bicyclohexyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1313	naphthalene, 2-methyl	OV-1
1313	pimelic acid, dimethyl ester	SE-30
1314	cyclohexane, phenyl	SE-30
1314	phenol, 4-amino	SE-30
1314	pyrazine, 2-ethoxy-5-isobutyl-3-methyl	OV-101
1315	benzene, 2,5-dichloronitro	OV-1
1315	nicotine	SE-30
1316	pyrazine, 2-isopropyl	OV-101
1316	toluene, 2-chloro-4-nitro	OV-1
1317	pyrazine, 2,3-dimethyl-5-isopentyl	OV-101
1318	benzoic acid, isobutyl ester	SE-30
1318	cyclopentadiene, hexachloro	OV-1
1318	dibromoacetic acid, 4-pentenyl ester	SE-30
1319	anisole, 2,4,6-trichloro	SE-30
1320	butyric acid, beta-hydroxy, methyl ester	SE-30
1322	benzene, 2,4-dichloronitro	OV-1
1322	tribromoacetic acid, 2-propynyl ester	SE-30
1325	anthranilic acid, methyl ester	SE-30
1325	butanoic acid, benzyl ester	SE-30
1326	decane, 1-bromo	OV-1
1327	anisole, 2,4,6-trichloro	SE-30
1327	phenol, 2,4,5-trichloro	OV-1
1328	naphthalene, 2-ethyl	SE-30
1329	chlorpentermine	SE-30
1330	octane, 1,8-dichloro	Me silicone
1332	adamantane, 2-chloro	Me silicone
1332	formic acid, cinnamyl ester	SE-30
1332	phenol, 2,3,4-trichloro	OV-1
1334	benzoic acid, 3-butenyl ester	SE-30
1334	phenol, 4-hydroxy	SE-30
1334	quinoline, 7-methyl	OV-101
1335	phenol, 3-amino	SE-30
1335	quinoline, 6-methyl	OV-101
1336	disulphide, bis(2-chloroethyl)	DB-1
1336	ephedrine	SE-30
1337	carbamic acid, dipropylthio, s-ethyl ester (eptam, EPTC)	DB-1
1337	trichloroacetic acid, trans-3-hexenyl ester	SE-30
1339	benzene, 3,4-dichloronitro	OV-1
1339	isophedrine	SE-30
1341	anisole, 2,3,6-trichloro	OV-1
1341	phenol, 2,4,5-trichloro	OV1-1/SE-54
1342	biphenyl	OV-1
1342	trichloroacetic acid, cis-3-hexenyl ester	SE-30
1343	anthranilic acid, methyl ester	OV-1
1343	biphenyl	OV-1
1343	cyclopentadiene, hexachloro	Me silicone
1343	naphthalene, 1-ethyl	SE-30
1343	phenol, 4-iodo	SE-30
1344	adipic acid, diethyl ester	OV-1/SE-30
1344	anisole, 2,3,6-trichloro	SE-30
1344	benzene, 2,3-dichloronitro	OV-1
1344	decane, 1-bromo	Me silicone
1346	phenol, 2,3,6-trichloro	OV-1
1347	phenol, 2,6-dimethoxy	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1348	benzene, n-heptyl	OV-101
1348	biphenyl	OV-1
1348	biphenyl	OV-1
1348	naphthalene, 1-chloro	OV-1
1348	naphthalene, 1-chloro	Me silicone
1348	naphthalene, 2-chloro	OV-1
1348	pyrazine, 2-ethoxy	OV-101
1349	benzoic acid, ethyl ester	OV-1
1349	biphenyl	Me silicone
1349	phenol, 2,4,6-trichloro	SE-30
1350	anisole, 2,3,6-trichloro	OV-101
1350	biphenyl	OV-101
1350	undecanol, 1-	SE-30
1352	aniline, 3,5-dichloro	OV-1
1352	fluoranthene	OV-1
1352	pyrazine, 2,3-dimethyl-5-pentyl	OV-101
1353	benzoic acid, butyl ester	SE-30
1354	naphthalene, 1-chloro	OV1-1/SE-54
1355	biphenyl	SP-2100
1355	biphenyl	OV-1
1355	phenol, 2,4,5-trichloro	OV1-1/SE-54
1356	benzoic acid, 1,2-dimethylpropyl ester	SE-30
1357	acenaphthene	SE-30
1357	biphenyl	Me silicone
1357	quinoline, 4-methyl	OV-101
1359	anisole, 2,3,6-trichloro	SE-30
1359	biphenyl	SE-30
1360	benzoic acid, butyl ester	SE-30
1361	benzoic acid, 1-methyl-3-butenyl ester	SE-30
1362	phenol, 2,4,5-trichloro	SE-30
1362	pyrazine, 3-methyl-2-methoxy-5-(2-methylbutyl)	OV-101
1362	pyrazine, 5-isopropyl-3-methyl-2-(methylthio)	OV-101
1363	cinnamic acid, methyl ester	SE-30
1363	diphenyl ether	OV-1
1363	pyrazine, 2-(2-methylbutyl)-3,5,6-trimethyl	OV-101
1364	benzoic acid, trans-2-butenyl ester	SE-30
1364	undecane, 1-chloro	Me silicone
1365	biphenyl	SE-30
1366	benzoic acid, 2-chloroethyl ester	SE-30
1366	naphthalene, 2-ethyl	OV-101
1366	tribromoacetic acid, 1-methylpropyl ester	SE-30
1367	naphthalene, 1-ethyl	OV-101
1367	phenol, 2-methoxy-4-propenyl	SE-30
1368	dichlorobenzyl ethyl ether, 2,4-	CP Sil 5CB
1368	eugenol	OV-1
1368	phenol, 3-hydroxy	SE-30
1369	dichlorobenzyl ethyl ether, 2,4-	CP Sil 5CB
1369	phenol, 3-iodo	SE-30
1370	anisole, 2,3,6-trichloro	SE-30
1370	benzoic acid, 1-methylbutyl ester	SE-30
1370	dichlorobenzyl ethyl ether, 2,4-	CP Sil 5CB
1371	hexanoic acid, hexyl ester	SE-30
1371	pyrazine, 2-chloro-3-methyl-5-(2-methylbutyl)	OV-101
1372	dichlorobenzyl ethyl ether, 2,4-	CP Sil 5CB

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1372	phosphoric acid, tripropyl ester	OV-1
1374	biphenyl	SE-30
1374	pyrazine, 2-propyl	OV-101
1376	diphenyl ether	OV-1
1376	diphenyl ether	SP-2100
1376	naphthalene, 1-chloro	OV1-1/SE-54
1377	aniline, 3,4-dichloro	OV-1
1377	naphthalene, 2,6-dimethyl	OV-101
1377	naphthalene, 2-ethyl	OV-1
1377	pyrazine, 2,3-dimethyl-5-(2-methylpentyl)	OV-101
1379	decanoic acid, ethyl ester	SE-30
1379	dodecane, 2,6,10-trimethyl	SE-30
1379	naphthalene, 1-ethyl	OV-1
1380	propane, 1,1,1,2,3,3,3-heptachloro	Me silicone
1381	naphthalene, 2,3-dimethyl	SE-30
1384	cyclohexene, 1-phenyl	SE-30
1384	decalol, trans-1,10-dimethyl-trans-9- (geosmin)	OV-1
1385	decalol, trans-1,10-dimethyl-trans-9- (geosmin)	OV-101
1385	pyrene	OV-1
1387	aniline, 3,4-dichloro	DB-1
1387	naphthalene, 2,6-dimethyl	SE-30
1387	tribromoacetic acid, 2-methylpropyl ester	SE-30
1388	naphthalene, 2,6-dimethyl	OV-1
1389	biphenyl	OV-1
1389	dodecanal	OV-1
1389	dodecanal	SP-2100
1389	dodecanal	OV-1
1389	naphthalene, 2,7-dimethyl	SE-30
1389	tetradecene, 1-	OV-101
1390	naphthalene, 2,7-dimethyl	OV-1
1390	phosphoric acid, (1-methoxycarboxypropen-2-yl) dimethyl ester (phosdrin, beta)	DB-1
1391	naphthalene, 1,3-dimethyl	OV-101
1391	phenol, 3,5-dichloro	SE-30
1392	phenol, 2-methoxy-4-propyl	SE-30
1392	phosphoric acid, (1-methoxycarboxypropen-2-yl) dimethyl ester (phosdrin, alpha)	DB-1
1392	toluene, 2,6-dinitro	OV-1
1394	butenoic acid, 3-[(dimethoxyphosphinyl)oxy]-2- (mevinphos)	SE-30
1394	pyrazine, 2-(1-methylpropyl)	OV-101
1395	acetic acid, decyl ester	SE-30
1398	phenol, 4-iodo	SE-30
1398	propanoic acid, 3-phenyl, trimethylsilyl derivative	SE-30
1399	quinoline, 2,6-dimethyl	OV-101
1399	quinoline, 2,7-dimethyl	OV-101
1400	acetic acid, decyl ester	SE-30
1400	azulene, 5-methyl	OV-1
1400	dicyclohexylamine	OV-1
1400	naphthalene, 1,3-dimethyl	SE-30
1400	tetradecane	Me silicone
1401	azulene, 1-methyl	OV-1
1402	acenaphthylene	Me silicone
1402	naphthalene, 1,3-dimethyl	OV-1
1402	naphthalene, 1,6-dimethyl	OV-1
1403	naphthalene, 2-vinyl	SE-30
1405	propanoic acid, 3-phenyl, trimethylsilyl derivative	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1405	tribromoacetic acid, 3-butenyl ester	SE-30
1405	tyramine	OV-1
1406	pyrazine, 2-isobutyl	OV-101
1408	undecanoic acid, methyl ester	OV-1
1408	urea, 3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methyl (chlorbromuron)	SE-30
1409	naphthalene, 1,4-dimethyl	OV-101
1409	phenmetrazine	SE-30
1410	azulene, 6-methyl	OV-1
1410	naphthalene, 1,7-dimethyl	OV-1
1410	naphthalene, 2-methoxy	OV-101
1410	undecanoic acid, methyl ester	SE-30
1411	carbamic acid, diisobutylthio-, s-ethyl ester (sutan)	DB-1
1411	naphthalene, 2,3-dimethyl	OV-101
1412	acenaphthylene	OV-1
1412	acenaphthylene	OV-1
1412	benzene, 4-diiodo	SE-30
1413	benzoic acid, isopentyl ester	SE-30
1415	anisole, 2,4,5-trichloro	SE-30
1415	pentasulphide, dimethyl	SE-30
1415	phenol, 2-amino-4-chloro	OV-1
1415	pyrazine, 2-ethoxy-3-methyl-5-(2-methylbutyl)	OV-101
1415	pyrazine, 2-phenoxy	OV-101
1415	pyrazine, 2-phenoxy	OV-101
1416	suberic acid, dimethyl ester	SE-30
1418	anisole, 2,3,5-trichloro	SE-30
1418	carbamic acid, dipropylthio-, s-propyl ester (vernam, vernolate)	DB-1
1418	naphthalene, 1,4-dimethyl	SE-30
1418	pyrazine, 2-ethylthio-5-isopropyl-3-methyl	OV-101
1418	quinoline, 2,4-dimethyl	OV-101
1419	benzoic acid, methyl ester, 4-hydroxy	OV-1
1419	naphthalene, 1,4-dimethyl	OV-1
1420	amine, tri-n-amyl	DB-1
1420	naphthalene, 2,3-dimethyl	OV-1
1421	naphthalene, 1,5-dimethyl	OV-1
1422	acetic acid, cinnamyl ester	SE-30
1423	acenaphthene	OV-1
1423	benzoic acid, 4-nitro, methyl ester	SE-30
1424	acenaphthene	Me silicone
1425	benzoic acid, isopentyl ester	SE-30
1425	quinoline, 2,7-dimethyl	OV-1
1427	dibromoacetic acid, trans-3-hexenyl ester	SE-30
1427	naphthoquinone, 1,4-	SE-30
1428	tribromoacetic acid, 1,1-dimethylpropyl ester	SE-30
1429	anisole, 2,4,5-trichloro	SE-30
1430	cinnamic acid, 2-hydroxy, methyl ester	SE-30
1430	naphthalene, 1,2-dimethyl	SE-30
1430	undecadien-2-one, 6,10-dimethyl-5,9-	SP-2100
1431	anisole, 3,4,5-trichloro	SE-30
1431	benzene, 1,2-dimethyl-3-ethyl	SE-30
1431	benzene, 1-t-butyl-3,5-dimethyl	SE-30
1431	benzene, 3-diiodo	SE-30
1431	benzene, hexamethyl	OV-101
1431	phendimetrazine	SE-30
1432	naphthalene, 1,2-dimethyl	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1433	anisole, 2,3,5-trichloro	SE-30
1433	benzene, pentyl	SE-30
1433	dibromoacetic acid, cis-3-hexenyl ester	SE-30
1434	naphthalene, bromo isomer	OV-1
1434	phthalic acid, dimethyl ester	OV-1
1435	benzoic acid, methyl ester, 4-hydroxy	SE-30
1435	naphthalene, 2-isopropyl	OV-1
1435	phenol, 2,4-dinitro	OV-1
1436	anisole, 2,4,5-trichloro	SE-30
1436	tribromoacetic acid, 1-methyl-3-butenyl ester	SE-30
1439	ecgonine, methyl ester	SE-30
1440	anisole, 2,3,5-trichloro	SE-30
1440	phosphoramidothioic acid, n-acetyl, o,s-dimethyl ester (orthene, acephate)	DB-1
1440	quinone, 2,6-di-tert-butyl	Me silicone
1441	pyrazine, 5-sec-butyl-3-methyl-2-(methylthio)	OV-101
1442	caryophyllene, beta-	OV-101
1442	citric acid, trimethyl ester	OV-1
1444	benzoic acid, 4-pentenyl ester	SE-30
1444	pyrazine, 3-methyl-2-methoxy-5-(2-methylpentyl)	OV-101
1445	benzene, 2-diiodo	SE-30
1445	methane, diphenyl	OV-1
1446	carbamic acid, butyl(ethyl)thio, s-propyl ester (tillam)	DB-1
1446	pyrazine, 5-isobutyl-3-methyl-2-(methylthio)	OV-101
1446	quinoline, 2,4-dimethyl	OV-1
1446	tribromoacetic acid, 1,2-dimethylpropyl ester	SE-30
1447	benzaldehyde, 4-hydroxy-3-methoxy	SE-30
1447	benzoquinone, 2,6-di(methoxymethyl)-1,4-	SP-2100
1447	benzoquinone, 2,6-di(methoxymethyl)-1,4-	OV-1
1447	benzoquinone, 2,6-di(methoxymethyl)-1,4-	OV-1
1447	cinnamic acid, ethyl ester	SE-30
1448	anisole, 3,4,5-trichloro	SE-30
1449	naphthalene, 1,8-dimethyl	OV-1
1449	phthalic acid, dimethyl ester	OV1-1/SE-54
1449	undecane, 1-bromo	Me silicone
1450	butenoic acid, 3-[(dimethoxyphosphinyl)oxy]-2- (mevinphos)	OV-1
1451	benzene, n-octyl	OV-101
1453	benzoic acid, 2,2-dichloroethyl ester	SE-30
1453	phthalic acid, dimethyl ester	OV-101
1455	benzoic acid, pentyl ester	SE-30
1456	benzene, 1,2,3,5-tetramethyl	SE-30
1456	clofibrate	OV1-1/SE-54
1456	pyrazine, 2-chloro-3-methyl-5-(2-methylpentyl)	OV-101
1457	anisole, 3,4,5-trichloro	SE-30
1457	phthalic acid, dimethyl ester	OV1-1/SE-54
1458	tribromoacetic acid, 1-methylbutyl ester	SE-30
1459	dibenzofuran	OV-1
1460	acetic acid, 4-hydroxyphenyl, methyl ester	SE-30
1460	dodecanol, 1-	SE-30
1460	naphthalene, 1-n-propyl	OV-1
1461	methane, diphenyl	SP-2100
1462	anisole, butylated hydroxy isomer	OV-1
1462	ecgonine, methyl ester	SE-30
1462	naphthalene, chloromethyl	Me silicone
1462	tetradecane, 2-methyl	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1463	tridecane, 2,6,10-trimethyl	SE-30
1464	dichlorobenzyl propyl ether, 2,4-	CP Sil 5CB
1464	dichlorobenzyl propyl ether, 2,4-	CP Sil 5CB
1465	anisole, 2,3,4-trichloro	OV-1
1465	biphenyl, methyl	Me silicone
1465	dichlorobenzyl propyl ether, 2,4-	CP Sil 5CB
1465	naphthalene, 2-n-propyl	OV-1
1465	pyrazine, 2-methyl-3-phenoxy	OV-101
1467	dichlorobenzyl propyl ether, 2,4-	CP Sil 5CB
1468	toluene, 2,4-dinitro	OV-1
1469	anisole, 2,3,4-trichloro	SE-30
1469	mandelic acid, trimethylsilyl derivative	OV-1
1469	tetradecane, 3-methyl	SE-30
1470	diethylpropion	SE-30
1471	phenol, 2,4-dinitro	OV-1/SE-30
1471	pyrazine, 2-(1-methylbutyl)	OV-101
1473	phenol, 2,6-dimethoxy-4-methyl	SE-30
1473	sulphide, dihexyl	SE-30
1474	pyrazine, 2-butyl	OV-101
1475	nicotinamide	OV-1
1475	terephthalic acid, dimethyl ester	OV-1
1480	benzoquinone, 2,6-di-t-butyl-1,4-	SE-30
1480	tridecane, 3,7,11-trimethyl	SE-30
1481	clofibrate	OV1-1/SE-54
1483	phosphoric acid, triisobutyl ester	OV-1
1484	anisole, 2,3,4-trichloro	SE-30
1487	dibenzofuran	Me silicone
1488	isophthalic acid, dimethyl ester	OV-1
1489	methyprylon	SE-30
1489	naphthonitrile, 1-	OV-1
1490	acetic acid, undecyl ester	SE-30
1490	benzene, 1-chloro-2,4-dinitro	OV-1
1490	carbaryl	OV-1/SE-30
1490	malonitrile, 4-chlorobenzylidene	DB-1
1490	toluene, butylated hydroxy isomer	OV-1
1491	acenaphthylene	SE-30
1491	benzoic acid, 4-nitro, propyl ester	SE-30
1492	tribromoacetic acid, 3-methylbutyl ester	SE-30
1492	tridecanal	SP-2100
1492	tridecanal	OV-1
1492	tridecanal	OV-1
1494	anisole, 2,3,4-trichloro	SE-30
1494	anisole, 2,3,5,6-tetrachloro	OV-1
1494	anisole, 2,4,5-trichloro	OV-1
1494	carbaryl	SE-30
1494	dibenzofuran	Me silicone
1494	pyrazine, 5-sec-butyl-2-ethylthio-3-methyl	OV-101
1494	toluene, butylated hydroxy isomer	SE-30
1495	benzene, 1,3,5-triisopropyl	SE-30
1495	benzoic acid, 4-methoxy, trimethylsilyl derivative	OV-1
1495	phenol, 2,6-di-t-butyl-methyl	OV-1
1495	pyrazine, 2-octyl	OV-101
1496	pyrazine, 2-ethylthio-5-isobutyl-3-methyl	OV-101
1497	anisole, 2,3,5,6-tetrachloro	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1497	benzoic acid, 4-nitro, ethyl ester	SE-30
1497	cinnamic acid, trimethylsilyl derivative	OV-1
1498	cinnamic acid, 4-hydroxy, methyl ester	SE-30
1500	anisole, 2,3,4,6-tetrachloro	SE-30
1500	benzoic acid, methyl ester, 4-hydroxy	SE-30
1501	acetic acid, 3-methoxyphenyl, trimethylsilyl derivative	SE-30
1501	benzoic acid, 2-hydroxy, trimethylsilyl derivative	OV-1
1501	indan, 5-nitro	Me silicone
1501	naphthalene, 1-isobutyl	OV-1
1502	naphthalene, 2-t-butyl	OV-1
1504	benzene, pentachloro	SP-2100
1504	benzene, pentachloro	OV-1
1504	benzene, pentachloro	OV-1
1505	maleic acid, dibutyl ester	OV-1
1507	bipyridyl dihydrate, 4,4-	OV-1
1507	dodecanoic acid, methyl ester	OV-1
1509	naphthalene, 1,3,7-trimethyl	OV-1
1512	isophthalic acid, dimethyl ester	OV-101
1513	acetic acid, 4-methoxyphenyl, trimethylsilyl derivative	OV-1
1513	benzocaine	SE-30
1513	dodecanoic acid, methyl ester	SE-30
1513	naphthalene, 2-isobutyl	OV-1
1513	tribromoacetic acid, 4-pentenyl ester	SE-30
1515	naphthalene, 2,3,6-trimethyl	SE-30
1516	anisole, 2,3,5,6-tetrachloro	SE-30
1516	malonitrile, 4-chlorobenzylidene	OV-1
1517	acetic acid, 4-methoxyphenyl, trimethylsilyl derivative	SE-30
1518	mephenesin	SE-30
1519	azeleic acid, dimethyl ester	SE-30
1519	propanoic acid, cinnamyl ester	SE-30
1520	anisole, 2,3,4,6-tetrachloro	SE-30
1520	terephthalic acid, dimethyl ester	OV-101
1521	naphthalene, 2-sec-butyl	OV-1
1522	acenaphthene	SE-30
1522	benzoquinone, 2,6-dimethoxy-1,4-	SE-30
1522	naphthalene, 2,3,6-trimethyl	OV-1
1523	benzoic acid, 2,2,2-trichloroethyl ester	SE-30
1523	octane, 1,8-dibromo	Me silicone
1524	cyclododecanone	OV-1
1525	ethane, pentabromo	Me silicone
1526	dodecanoic acid, methyl ester	OV1-1/SE-54
1526	dodecanoic acid, methyl ester	OV1-1/SE-54
1527	cinnamic acid, trimethylsilyl derivative	SE-30
1527	fluorene	OV-1
1527	pyrazine, 2-(2-methylbutyl)	OV-101
1528	benzaldehyde, 4-dimethylamino	OV-1
1528	benzoic acid, 4-nitro, methylethyl ester	SE-30
1529	anisole, 2,3,5,6-tetrachloro	SE-30
1530	anisole, 2,3,4,6-tetrachloro	SE-30
1530	carbamic acid, 3,5-dimethyl-4-methylthiophenyl methyl ester (methiocarb)	SE-30
1530	pyrazine, 2-isopentyl	OV-101
1531	phenol, 4-acetyl-2-methoxy	SE-30
1533	naphthalene, 2,3,5-trimethyl	OV-1
1535	fluorene	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1535	salicylic acid, pentyl ester	SE-30
1538	aniline, 4-chloro-2-nitro	OV-1
1539	carbamic acid, N,N-hexamethylene, s-ethyl ester (molinate)	DB-1
1541	benzoic acid, trans-3-hexenyl ester	SE-30
1545	adipic acid, dipropyl ester	OV-1
1546	decane, 1,10-dichloro	Me silicone
1547	fluorene	Me silicone
1548	phthalic acid, diethyl ester	OV-1
1549	butane, meso-1,2,3,4-tetrabromo	Me silicone
1549	clofibrate	OV-1/SE-30
1550	phthalic acid, diethyl ester	OV-1
1551	benzoic acid, hexyl ester	SE-30
1551	phthalic acid, diethyl ester	OV-1
1552	benzoic acid, cis-3-hexenyl ester	SE-30
1552	pyrazine, 3-methyl-5-(2-methylbutyl)-2-(methylthio)	OV-101
1552	tributyrin (glyceryl tributyrate)	OV-1
1554	dodecane, 1-bromo	Me silicone
1555	benzene, n-nonyl	OV-101
1555	naphthalene, 1-n-butyl	OV-1
1555	tetradecane, 2,6,10-trimethyl	SE-30
1556	acetic acid, 2-hydroxyphenyl, trimethylsilyl derivative	OV-1
1556	azobenzene	OV-1
1557	benzoic acid, 3-hydroxy, trimethylsilyl derivative	OV-1
1559	phthalic acid, diethyl ester	SP-2100
1559	phthalic acid, diethyl ester	OV-1
1560	acetic acid, 2-hydroxyphenyl, trimethylsilyl derivative	SE-30
1560	benzoic acid, 3-hydroxy, trimethylsilyl derivative	SE-30
1560	fluorene	Me silicone
1560	phthalic acid, diethyl ester	OV-1
1562	benzoquinone, 3-methoxy-6-hydroxymethyl-1,4-	SE-30
1562	dichlorobenzyl butyl ether, 2,4-	CP Sil 5CB
1562	isobutanoic acid, cinnamyl ester	SE-30
1562	trisulphide, bis(2-chloroethyl)	DB-1
1563	dichlorobenzyl butyl ether, 2,4-	CP Sil 5CB
1564	naphthalene, 2-n-butyl	OV-1
1564	phthalic acid, diethyl ester	OV-1/SE-30
1565	benzoic acid, hexyl ester	SE-30
1565	dichlorobenzyl butyl ether, 2,4-	CP Sil 5CB
1566	tetradecane, 3,7,11-trimethyl	SE-30
1567	benzoic acid, propyl ester, 4-hydroxy	OV-1
1567	dichlorobenzyl butyl ether, 2,4-	CP Sil 5CB
1568	phthalic acid, diethyl ester	OV-1
1571	benzamide, N,N-diethyl methyl isomer	OV-1
1573	naphthalene, 1-nitro	Me silicone
1575	aniline, N-phenyl	OV-1
1575	pyrazine, 2-pentyl	OV-101
1577	benzoic acid, 4-nitro, 2-propenyl ester	SE-30
1578	phenol, 4-acetyl	SE-30
1579	dodecanoic acid, ethyl ester	SE-30
1579	naphthalene, 1-nitro	Me silicone
1580	fluorene	OV-1
1580	propane, octachloro	Me silicone
1581	phthalic acid, diethyl ester	OV-101
1582	pentane-1,3-diol, 2,2,4-trimethyl	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1582	pentane-1,3-diol, 2,2,4-trimethyl	SP-2100
1582	pentane-1,3-diol, 2,2,4-trimethyl	OV-1
1583	fluorene	SE-30
1583	phthalic acid, diethyl ester	SE-30
1585	acetic acid, 2-naphthyl ester	OV-1
1585	lactic acid, beta-phenyl, trimethylsilyl derivative	SE-30
1586	benzoic acid, 4-nitro, 2-propynyl ester	SE-30
1586	naphthalene, 1-nitro	SE-30
1586	pyrazine, 2-methyl-3-octyl	OV-101
1587	lactic acid, beta-phenyl, trimethylsilyl derivative	OV-1
1588	acetic acid, dodecyl ester	SE-30
1588	acetic acid, methyl ester, 2,4-dichlorophenoxy (2,4-D methyl ester)	OV-1
1588	hydrazine, 1,2-diphenyl	OV-1
1589	phenol, 3,4,5-trichloro	OV-1
1590	naphthalene, 2-methyl-1-nitro	Me silicone
1590	propanoic acid, 3-(2-methoxyphenyl), trimethylsilyl derivative	SE-30
1593	tetradecanal	SP-2100
1593	tetradecanal	OV-1
1593	tetradecanal	OV-1
1594	benzoic acid, 4-nitro, propyl ester	SE-30
1595	acetic acid, dodecyl ester	SE-30
1596	hydrazine, 1,2-diphenyl	SP-2100
1596	hydrazine, 1,2-diphenyl	OV-1
1596	hydrazine, 1,2-diphenyl	OV-1
1597	acetic acid, 3-hydroxyphenyl, trimethylsilyl derivative	OV-1
1598	acetic acid, 3-hydroxyphenyl, trimethylsilyl derivative	SE-30
1598	carbamic acid, 2-isopropoxyphenyl methyl ester (baygon, propoxur)	DB-1
1598	cinnamic acid, isobutyl ester	SE-30
1598	quinoline, 5-amino	OV-1
1598	systox thiono isomer sulfoxide	DB-1
1600	hexadecane	Me silicone
1600	pyrazine, 2-methylthio	OV-101
1602	pyrazine, 2-ethylthio-3-methyl-5-(2-methybutyl)	OV-101
1605	acetic acid, methyl ester, 2,4-dichlorophenoxy (2,4-D methyl ester)	OV-1
1606	pyrazine, 2-(2-methylpentyl)	OV-101
1606	pyrazine, 2-phenylthio	OV-101
1606	pyrazine, 2-phenylthio	OV-101
1608	acetanilide, 2-chloro-N-isopropyl (propachlor)	DB-1
1609	allobarbitone	Me silicone
1610	benzophenone	OV-1/SE-30
1610	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1610	naphthalene, 2-nitro	Me silicone
1611	acetic acid, 4-tert-octyl-2-methylcyclohexyl ester	OV-1
1611	benzophenone	OV-1
1614	phosphoric acid, tributyl ester	OV-1
1616	phosphoric acid, tributyl ester	DB-1
1617	phenol, 2-methyl-4,6-dinitro	OV-1/SE-30
1620	anisole, 2,3,4,5-tetrachloro	SE-30
1620	benzoic acid, 4-hydroxy, trimethylsilyl derivative	OV-1
1620	ether, dibenzyl	Me silicone
1620	pyrazine, 5-isopropyl-3-methyl-2-phenoxy	OV-101
1621	benzoic acid, 4-hydroxy, trimethylsilyl derivative	SE-30
1622	anthracene, 9,10-dihydro	SE-30
1623	ethane, 1,2-bis[(2-chloroethyl)thio] (Sesquimustard)	DB-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1623	phenanthrene, 9,10-dihydro	SE-30
1623	tribromoacetic acid, trans-3-hexenyl ester	SE-30
1624	phenol, 2,6-dimethoxy-4-propyl	SE-30
1626	carbanilic acid, m-chloro, isopropyl ester (chlorpropham)	SE-30
1628	acetic acid, 4-hydroxyphenyl, trimethylsilyl derivative	SE-30
1628	benzoic acid, 4-nitro, 1-methylpropyl ester	SE-30
1628	phosphorothioic acid, S-2-ethylthioethyl OO-dimethyl ester (demeton-S-methyl)	OV-1
1629	acetic acid, 4-hydroxyphenyl, trimethylsilyl derivative	OV-1
1629	carbanilic acid, m-chloro, isopropyl ester (chlorpropham)	DB-1
1629	phosphorodithioic acid, o-ethyl s,s-dipropyl ester (mocap, ethoprophos)	DB-1
1629	tribromoacetic acid, cis-3-hexenyl ester	SE-30
1630	propanoic acid, 3(4-methoxyphenyl), trimethylsilyl derivative	OV-1
1631	naphthalene, 2-nitro	SE-30
1633	phthalic acid, diisopropyl ester	OV-1/SE-30
1635	phosphoric acid, 1,2-dibromo-2,2-dichloroethyl dimethyl ester (dibrom, naled)	DB-1
1635	pyrazine, 2-ethylthio	OV-101
1637	propanoic acid, 3(4-methoxyphenyl), trimethylsilyl derivative	SE-30
1638	azulene, 4,6,8-trimethyl	OV-1
1638	carbamic acid, s-ethyl-N-cyclohexyl-N-ethylthio ester (roneet, cycloate)	DB-1
1638	isophthalic acid, diethyl ester	OV-101
1638	isophthalic acid, diethyl ester	OV-101
1638	pyrazine, 3-methyl 5-(2-methylpentyl)-2-(methylthio)	OV-101
1639	isophthalic acid, diethyl ester	SE-30
1640	benzoquinone, 2,5-di(1,1-dimethylpropyl)-1,4-	SP-2100
1640	benzoquinone, 2,5-di(1,1-dimethylpropyl)-1,4-	OV-1
1640	benzoquinone, 2,5-di(1,1-dimethylpropyl)-1,4-	OV-1
1640	cyclohexane, alpha-hexachloro (alpha-BHC)	CP Sil 5CB
1644	anisole, 2,3,4,5-tetrachloro	SE-30
1645	cyclohexane, alpha-hexachloro (alpha-BHC)	OV-1
1645	cyclohexane, hexachloro (BHC)	OV-1
1645	phosphoric acid, (E)-1-methyl-2-(methylcarbamoyl)vinyl, dimethyl ester (azodrin, monocrotophos)	DB-1
1645	sebacic acid, dimethyl ester	OV-1
1649	benzoic acid, 4-nitro, 2-methylpropyl ester	SE-30
1649	terephthalic acid, diethyl ester	OV-101
1650	pentadecane, 2,6,10-trimethyl	SE-30
1650	pyruvic acid, 2-hydroxyphenyl lactone, trimethylsilyl derivative	OV-1
1650	terephthalic acid, diethyl ester	SE-30
1651	benzoic acid, heptyl ester	SE-30
1651	biphenyl, 2-nitro	Me silicone
1652	ether, 4-bromophenyl phenyl	OV-1
1652	pristane, nor-	OV-1
1655	citric acid, triethyl ester	OV-1
1655	methanimidamide, N'-(4-chloro-2-methylphenyl)-N,N-dimethyl (fundal, chlordimeform)	DB-1
1657	mescaline	SE-30
1658	pentadecane, 3,7,11-trimethyl	SE-30
1658	pyrazine, 3-methyl-2-(phenylthio)	OV-101
1658	tridecane, 1-bromo	Me silicone
1659	benzene, n-decyl	OV-101
1659	dichlorobenzyl pentyl ether, 2,4-	CP Sil 5CB
1659	naphthal, 2-nitro	Me silicone
1660	adipic acid, dibutyl ester	OV-1
1660	adipic acid, diisobutyl ester	OV-1
1660	anisole, 2,3,4,5-tetrachloro	SE-30
1660	toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl-p- (trifluralin)	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1662	anthracene, 9,10-dihydro	OV-1
1662	benzene, hexachloro (HCB)	CP Sil 5CB
1662	tetradecane, 1-chloro	OV-1
1662	tetradecane, 1-chloro	SP-2100
1663	dichlorobenzyl pentyl ether, 2,4-	CP Sil 5CB
1663	isovaleric acid, cinnamyl ester	SE-30
1664	phosphonothioic acid, methyl-, S-[2-(bis(1-methylethyl)amino)] ester	DB-1
1665	dichlorobenzyl pentyl ether, 2,4-	CP Sil 5CB
1666	dichlorobenzyl pentyl ether, 2,4-	CP Sil 5CB
1668	anthracene, 1,2,3,4,5,6,7,8-octahydro	SE-30
1668	cyclohexane, beta-hexachloro (beta-BHC)	CP Sil 5CB
1668	phenanthrene, 1,2,3,4,5,6,7,8-octahydro	SE-30
1668	pyrazine, 2-hexyl	OV-101
1668	toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl-p- (trifluralin)	DB-1
1669	biphenyl, 2-nitro	SE-30
1672	acetic acid, 4-chloro-2-methylphenoxy (MCPA)	SE-30
1672	aniline, N-butyl-N-ethyl-2,6-dinitro-4-trifluoromethyl (benefin)	DB-1
1672	cyclohexane, beta-hexachloro (beta-BHC)	OV-1
1674	tetradecane, 1-chloro	Me silicone
1675	phenacetin	OV-1/SE-30
1675	phosphorodithioic acid, O,O-diethyl S-ethylthiomethyl ester (phorate)	OV-1
1676	thiadiazine-2-thione, tetrahydro-3,5-dimethyl-1,3,5- (dazomet)	SE-30
1677	acetic acid, 2,5-dimethoxyphenyl, trimethylsilyl derivative	SE-30
1678	benzoic acid, 4-nitro, 3-butenyl ester	SE-30
1680	benzene, hexachloro (HCB)	OV-1
1680	dibenzofuran, 2-chloro	Me silicone
1682	benzene, hexaethyl	OV-101
1682	cinnamic acid, benzyl ester	SE-30
1682	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	SE-30
1682	sulphide, diheptyl	SE-30
1683	benzidine	OV-1
1683	benzidine	OV-1
1684	benzoic acid, 3,4-dimethoxy, trimethylsilyl derivative	OV-1
1684	salicylic acid, hexyl ester	SE-30
1685	carbamic acid, 2-chloroallyldiethyldithio (CDEC)	OV-1
1686	pyrazine, 2-ethylthio-3-methyl-5-(2methylpentyl)	OV-101
1687	acetic acid, 3,4-dimethoxyphenyl, trimethylsilyl derivative	OV-1
1687	paracetamol	OV-1/SE-30
1688	phosphorodithioic acid, O,O-diethyl S-ethylthiomethyl ester (thimet)	DB-1
1689	anisole, pentachloro	OV-1
1690	anisole, pentachloro	SE-30
1690	benzoic acid, 3,5-dinitro, methyl ester	SE-30
1690	cinnamic acid, 3-hydroxy, methyl ester	SE-30
1690	cyclohexane, alpha-hexachloro (alpha-BHC)	OV-1
1690	phosphoric acid, tributyl ester	OV-1
1690	phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)	SE-30
1690	triazine-2,4-diamine, 6-chloro-N,N'-diethyl-1,3,5- (simazine)	OV-1
1691	mandelic acid, 4-methoxy, trimethylsilyl derivative	OV-1
1692	acetic acid, 3,4-dimethoxyphenyl, trimethylsilyl derivative	SE-30
1694	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	CP Sil 5CB
1694	pyrazine, 5-sec-butyl-3-methyl-2-phenoxy	OV-101
1695	adipic acid, dibutyl ester	OV-1/SE-30
1695	indane, 1,1,3-trimethyl-3-phenyl	SP-2100
1695	indane, 1,1,3-trimethyl-3-phenyl	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1695	phenol, 2-sec-butyl-4,6-dinitro (dinoseb)	SE-30
1697	benzoic acid, 4-nitro, butyl ester	SE-30
1698	fluorenone	Me silicone
1698	phthalic acid, diallyl ester	OV-1
1699	phenacetin	Me silicone
1699	triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)	OV-1
1700	acetic acid, isopropyl ester, 2,4-dichlorophenoxy (2,4-D isopropyl ester)	OV-1
1700	heptadecane	Me silicone
1700	methoxamine	SE-30
1702	carbamic acid, 2,3-dihydro-2,2-dimethylbenzofuran-7-yl methyl ester (furadan)	DB-1
1702	methylphenidate	DB-1
1702	pyruvic acid, phenyl, trimethylsilyl derivative	OV-1
1703	phenazine	OV-1
1704	carbamic acid, 2-chloroallyl diethyldithio ester (vegadex, sulfallate)	DB-1
1704	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	OV-1
1704	phenanthrene	SE-30
1705	fluorenone	OV-1
1705	pyruvic acid, phenyl, trimethylsilyl derivative	SE-30
1705	triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)	OV-1
1706	pyrazine, 5-isobutyl-3-methyl-2-phenoxy	OV-101
1706	systox thiol isomer sulfoxide	DB-1
1707	phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)	DB-1
1708	benzoic acid, 4-nitro, 1,2-dimethylpropyl ester	SE-30
1708	benzoic acid, 4-nitro, 1-methyl-3-butenyl ester	SE-30
1708	fluorenone	Me silicone
1709	benzoic acid, 4-nitro, trans-3-butenyl ester	SE-30
1709	pentadecane, 2,6,10,14-tetramethyl (pristane)	OV-1
1709	pentadecane, 2,6,10,14-tetramethyl (pristane)	SE-30
1709	pristane	OV-1
1710	cyclohexane, beta-hexachloro (beta-BHC)	OV-1
1710	sulphonamide, N-butyl	OV-1
1710	triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)	SE-30
1711	anthracene	OV-1
1711	simazine	DB-1
1711	triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)	Me silicone
1712	isatin	OV-1
1712	phthalic acid, diallyl ester	OV-1/SE-30
1712	sulphonamide, N-butyl	OV-1
1713	anthracene	OV-1
1713	anthracene	OV-1
1713	anthracene	SE-30
1713	dibenzothiophene	Me silicone
1713	thiocarbamic acid, s-2,3-dichloroallyl di-isopropyl ester (avadex 11, diallate)	DB-1
1713	triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)-1,3,5- (propazine)	OV-1
1714	phosphorodithioic acid, S,S'-(1,4-dioxane-2,3-diyl) O,O,O',O'-tetramethyl ester (delnav II)	DB-1
1714	tetradecanoic acid, methyl ester, (methyl myristate)	SE-30
1715	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	OV-1/SE-30
1715	phenol, pentachloro	OV-1
1715	tetradecanoic acid, methyl ester, (methyl myristate)	OV-1/SE-30
1716	aniline, 2,6-dichloro-4-nitro (botran, dicloran)	DB-1
1716	cyclohexane, alpha-hexachloro (alpha-BHC)	Me silicone
1717	propanoic acid, beta-(3-hydroxyphenyl), trimethylsilyl derivative	OV-1
1719	benzene, pentachloronitro (PCNB)	DB-1
1720	dimethyltryptamine	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1720	meperidine	SE-30
1720	phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)	OV-1
1721	benzene, n-butyl, sulphonamide	OV-1
1722	simazine	Me silicone
1724	anisole, pentachloro	SE-30
1724	benzoic acid, 4-nitro, 1-methylbutyl ester	SE-30
1724	triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)	DB-1
1725	phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)	OV-1/SE-30
1726	benzo(b)naphtho(2,1-d)-thiophene	Me silicone
1726	dibenz(b,f)(1,4)oxazepine	DB-1
1726	phenol, pentachloro	OV1-1/SE-54
1727	amobarbitone	Me silicone
1728	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	SE-30
1730	acetic acid, 2,5-dihydroxyphenyl lactone, trimethylsilyl derivative	OV-1
1730	citric acid, acetyltriethyl ester	OV-1
1732	dodecanoic acid, (lauric acid)	OV-1
1733	phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)	Me silicone
1735	decane, 1,10-dibromo	Me silicone
1735	triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)-1,3,5- (propazine)	DB-1
1736	benzoic acid, 4-nitro, 2-chloroethyl ester	SE-30
1736	phosphonodithioic acid, o-ethyl s-phenyl ethyl ester (dyfonate, fonofos)	DB-1
1738	benzoic acid, benzyl ester	OV-1
1738	normeperidine	SE-30
1738	phenanthrene	Me silicone
1740	acetic acid, methyl ester, 2,4,5-trichlorophenoxy (2,4,5-T methyl ester)	OV-1
1740	amine, tri-n-hexyl	DB-1
1740	pentobarbitone	OV-1/SE-30
1740	phosphoric acid, tris(2-chloroethyl) ester	OV-1
1740	propanoic acid, 2-(4-chloro-2-methylphenoxy) (mecoprop)	SE-30
1741	anisole, pentachloro	SE-30
1742	dodecanoic acid, (lauric acid)	OV-1
1743	carbamic acid, 4-(dimethylamino)-3-methylphenyl methyl ester (matacil)	DB-1
1743	phthalic acid, dipropyl ester	OV-1
1744	hexadecane, 2,6,10-trimethyl	SE-30
1745	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	OV-1/SE-30
1746	sebacic acid, diethyl ester	OV-1
1747	anthracene	Me silicone
1747	methyl parathion oxygen analog	DB-1
1747	phenanthrene	Me silicone
1749	benzoic acid, 2,3-dihydroxy, trimethylsilyl derivative	OV-1
1749	caffeine	SE-30
1749	cyclohexane, beta-hexachloro (beta-BHC)	Me silicone
1749	phenol, pentachloro	OV-1/SE-30
1750	acenaphthylene-1-carbonitrile	Me silicone
1750	anthracene	OV-1
1750	tryptamine	OV-1
1751	hexadecane, 3,7,11-trimethyl	SE-30
1751	propanoic acid, 3-(4-hydroxyphenyl), trimethylsilyl derivative	SE-30
1752	anthracene	OV-1
1752	cedrenyl acetate	OV-1
1753	benzoic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative	OV-1
1753	propanoic acid, 3-(4-hydroxyphenyl), trimethylsilyl derivative	OV-1
1754	cinnamic acid, 2-methoxy, trimethylsilyl derivative	SE-30
1754	phenol, pentachloro	OV1-1/SE-54

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1754	phenol, pentachloro	OV-1/SE-30
1755	benzoic acid, 3,5-dinitro, ethyl ester	SE-30
1755	cyclohexane, delta-hexachloro (delta-BHC)	OV-1
1755	*stilbene, trans-*	OV-1
1756	phthalic acid, dipropyl ester	OV-101
1756	phthalic acid, dipropyl ester	OV-101
1756	propionic acid, 2-(2,4-dichlorophenoxyl) ester (dichlorprop)	SE-30
1757	benzoic acid, octyl ester	SE-30
1757	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	OV-1
1758	acetic acid, 3-hydroxy-4-methoxyphenyl, trimethylsilyl derivative	OV-1
1758	anthracene	OV-1
1758	anthracene	OV-1
1758	cotarmine	SE-30
1758	phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)	OV-1/SE-30
1758	phthalic acid, diisopropyl ester	OV-101
1758	phthalic acid, dipropyl ester	SE-30
1759	acenaphthylene-1-carboxaldehyde	Me silicone
1760	benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl) (pronamide, Kerb)	DB-1
1760	benzoic acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative	OV-1
1760	dichlorobenzyl hexyl ether, 2,4-	CP Sil 5CB
1760	naphthalenedione, 2,3-dichloro-1,4- (dichlone)	OV-1
1760	phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)	OV-1
1761	acetic acid, 4-hydroxy-3-methoxyphenyl, trimethylsilyl derivative	OV-1
1761	benzoic acid, 3,5-dinitro, propyl ester	SE-30
1762	fluorene, 2-chloro	Me silicone
1762	tetradecane, 1-bromo	Me silicone
1763	pentobarbitone	Me silicone
1764	benzoic acid, 4-nitro, 3-methylbutyl ester	SE-30
1764	dichlorobenzyl hexyl ether, 2,4-	CP Sil 5CB
1766	acetic acid, 2,4,5-trichlorophenoxy (2,4,5-T)	SE-30
1766	acetic acid, 2,4-dichlorophenoxy (2,4-D)	SE-30
1766	anthracene	OV-1
1766	cinnamic acid, 3-methoxy, trimethylsilyl derivative	SE-30
1766	phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)	OV-1
1767	dichlorobenzyl hexyl ether, 2,4-	CP Sil 5CB
1767	phosphoric acid, 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl ester (phosphamidon 1)	DB-1
1768	benzoic acid, 2,6-dihydroxy, trimethylsilyl derivative	OV-1
1768	dichlorobenzyl hexyl ether, 2,4-	CP Sil 5CB
1768	phthalic acid, butyl ethyl ester	SE-30
1769	phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)	SE-30
1771	phenol, 2-sec-butyl-4,6-dinitro (dinoseb)	OV-1
1771	phenol, 2-sec-butyl-4,6-dinitro (dinoseb)	OV-1
1772	phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)	DB-1
1775	triazine-2,4-diamine, N-ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-, (ametryne)	OV-1/SE-30
1776	caffeine	OV-1
1776	phosphorothioic acid, O,O-diethyl S-2-(ethylthio)ethyl ester (disulfoton)	SE-30
1777	alphaprodine	SE-30
1777	caffeine	OV-1
1777	triazine, 2-(sec-butylamino)-4-(ethylamino)-6-methoxy-s- (sumitol)	DB-1
1779	pheniramine	SE-30
1780	carbamic acid, 2,3-dihydro-2,2-dimethylbenzofuran-7-yl methyl (furadan 3 keto)	DB-1
1780	tetradecanoic acid, ethyl ester	SE-30
1783	phosphorodithioic acid, o,o-diethyl s-2-ethylthioethyl ester (disyston)	DB-1
1784	carbazole	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1785	benzoic acid, 2,5-dihydroxy, trimethylsilyl derivative	OV-1
1785	benzoic acid, 3,5-dinitro, methylethyl ester	SE-30
1786	biphenyl, 3-nitro	Me silicone
1786	phenanthrene	OV-1/SE-30
1786	secobarbitone	Me silicone
1787	benzene dicarbonitrile, 2,4,5,6-tetrachloro-1,3- (chlorothalonil, Bravo)	DB-1
1788	alanine, N-acetylphenyl, trimethylsilyl derivative	OV-1
1789	acridine	Me silicone
1790	dibenzofuran, chloromethyl	Me silicone
1791	benzoic acid, 4-nitro, 4-pentenyl ester	SE-30
1791	phenanthrene	SE-30
1794	mandelic acid, 4-hydroxy, trimethylsilyl derivative	OV-1
1795	lactic acid, beta-(4-methoxyphenyl), trimethylsilyl derivative	OV-1
1795	triazine-2,4-diamine, N-methyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-, (desmetryne)	OV-1/SE-30
1796	cinnamic acid, 4-methoxy, trimethylsilyl derivative	OV-1
1797	cyclohexane, gamma-hexachloro (gamma-BHC, lindane)	Me silicone
1797	lactic acid, beta-(4-methoxyphenyl), trimethylsilyl derivative	SE-30
1798	ketamine	SE-30
1800	cinnamic acid, 2-hydroxy, trimethylsilyl derivative	OV-1
1800	octadecane	Me silicone
1800	phenol, 2-sec-butyl-4,6-dinitro (premerge)	DB-1
1800	prilocaine	SE-30
1800	pyrimidinedione, 3-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)- (terbacil)	DB-1
1802	hippuric acic, trimethylsilyl derivative	OV-1
1802	phenol, 2-sec-butyl-4,6-dinitro (dinoseb)	SE-30
1803	benzoic acid, 4-nitro, pentyl ester	SE-30
1803	cinnamic acid, 4-methoxy, trimethylsilyl derivative	SE-30
1804	benzoic acid, 4-hydroxy-3-ethoxy, trimethylsilyl derivative	OV-1
1805	acetic acid, isobutyl ester, 2,4-dichlorophenoxy (2,4-D isobutyl ester)	OV-1
1806	benzphetamine	SE-30
1806	carbazole	OV1-1/SE-54
1806	pyrazine, 5-isopropyl-3-methyl-2-(phenylthio)	OV-101
1807	carbazole	Me silicone
1807	pyrazine, 3-methyl-5-(2-methylbutyl)-2-phenoxy	OV-101
1808	biphenyl, 3-nitro	SE-30
1810	caffeine	OV-1/SE-30
1811	phytane	OV-1
1812	acetic acid, 3,4,5-trimethoxyphenyl, trimethylsilyl derivative	SE-30
1812	phytane	Me silicone
1814	hexadecane, 2,6,10,14-tetramethyl (phytane)	SE-30
1815	biphenyl, 4-nitro	Me silicone
1816	carbamic acid, 2-dimethylamino -5,6-dimethylpyrimidin-4-yl dimethyl ester (pirimicarb)	SE-30
1816	carbamic acid, 2-dimethylamino -5,6-dimethylpyrimidin-4-yl dimethyl ester (pirimicarb)	DB-1
1816	propionanilide, 3',4'-dichloro (propanil)	OV-1
1817	cyclohexane, delta-hexachloro (delta-BHC)	Me silicone
1818	biphenyl, 2,4',5-trichloro (PCB 31)	CP Sil 5CB
1818	biphenyl, 2,4,4'-trichloro (PCB 28)	CP Sil 5CB
1820	butyric acid, 4-(4-chloro-2-methylphenoxy) (MCPB)	SE-30
1823	benzoic acid, 2,4-dihydroxy, trimethylsilyl derivative	OV-1
1823	ethoheptazine	SE-30
1825	acetic acid, isopropyl ester, 2,4,5-trichlorophenoxy (2,4,5-T isopropyl ester)	OV-1
1826	benzoic acid, 4-nitro, 2,2-dichloroethyl ester	SE-30
1826	phthalic acid, diisobutyl ester	OV-1
1826	phthalic acid, diisobutyl ester	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1827	diphenhydramine metabolite	SE-30
1828	benzoic acid, 3,5-dihydroxy, trimethylsilyl derivative	OV-1
1828	carbazole	Me silicone
1828	cotarmine decomposition product	SE-30
1828	isophthalic acid, dipropyl ester	OV-101
1828	isophthalic acid, dipropyl ester	OV-101
1829	anthracene, hydroxy	Me silicone
1829	isophthalic acid, dipropyl ester	SE-30
1834	biphenyl, 4-nitro	SE-30
1834	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1835	acetic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative	OV-1
1835	benzoic acid, 3,4-dihydroxy, trimethylsilyl derivative	OV-1
1836	carbazole	OV1-1/SE-54
1837	phosphoric acid, 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl ester (phosphamidon 11)	DB-1
1839	biphenyl, 2,2',5,6'-tetrachloro (PCB 53)	CP Sil 5CB
1840	acetic acid, butyl ester, 2,4-dichlorophenoxy (2,4-D butyl ester)	OV-1
1840	caffeine	Me silicone
1841	acetic acid, butyl ester, 2,4-dichlorophenoxy (2,4-D butyl ester)	OV-1
1841	dimehydrinate	SE-30
1842	benzoic acid, 3,5-dinitro, 2-propenyl ester	SE-30
1842	diphenhydramine	SE-30
1842	lidocaine	SE-30
1843	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	CP Sil 5CB
1845	acetic acid, 2,5-dihydroxyphenyl, trimethylsilyl derivative	OV-1
1845	phosphorothioic acid, OO-dimethyl O-4-nitrophenyl ester (parathion-methyl)	OV-1
1847	phenaceturic acid, trimethylsilyl derivative	OV-1
1849	phenol, 4-acetyl-2,6-dimethoxy	SE-30
1850	phosphoric acid, 2-chloro-2-diethyl carbomyl-1-methylvinyl dimethyl ester (phosphamidon mixed isomers)	SE-30
1850	terephthalic acid, dipropyl ester	OV-101
1851	phosphorothioic acid, OO-dimethyl O-4-nitrophenyl ester (parathion-methyl)	OV-1/SE-30
1851	terephthalic acid, dipropyl ester	SE-30
1853	benzoic acid, 3,5-dinitro, propyl ester	SE-30
1853	triazine-2,4-diamine, N,N'-bis(1-methylethyl)-6-(methylthio)-1,3,5-, (prometryne)	OV-1/SE-30
1854	chlorodene, alpha-	CP Sil 5CB
1856	anthracene, hydroxy	Me silicone
1856	phosphorothioic acid, OO-dimethyl O-4-nitrophenyl ester (parathion-methyl)	DB-1
1857	benzoic acid, 3,5-dinitro, 2-propynyl ester	SE-30
1859	tetradecanoic acid, propyl ester, (propyl myristate)	OV-1/SE-30
1860	benzoic acid, nonyl ester	SE-30
1860	phencyclidine	SE-30
1860	pyruvic acid, 2-methoxyphenyl, trimethylsilyl derivative	SE-30
1862	methane, tetraiodo	Me silicone
1862	phenaceturic acid, trimethylsilyl derivative	OV-1
1862	phthalic acid, diisobutyl ester	OV1-1/SE-54
1863	cinnamic acid, 3-hydroxy, trimethylsilyl derivative	OV-1
1863	dichlorobenzyl heptyl ether, 2,4-	CP Sil 5CB
1863	hydracrylic acid, beta-(3-hydroxyphenyl), trimethylsilyl derivative	OV-1
1863	phthalic acid, diisobutyl ester	OV-1
1865	acetic acid, 3-indolyl, trimethylsilyl derivative	OV-1
1866	dichlorobenzyl heptyl ether, 2,4-	CP Sil 5CB
1866	hydantoin, 5-methyl-5-phenyl	OV-1
1866	phenenthrene, 2-methyl	Me silicone
1866	phosphorothioic acid, O,O-dimethyl O-3,5,6-trichloro-2-pyridyl ester (chlorpyrifos methyl)	SE-30
1867	hexadecanoic acid, methyl ester (methyl palmitate)	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1868	phthalic acid, diisobutyl ester	OV-1
1870	dichlorobenzyl heptyl ether, 2,4-	CP Sil 5CB
1870	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	OV-1
1870	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	OV-1
1871	carbamic acid, 1-naphthyl methyl ester (sevin)	DB-1
1871	hexadecane, 1-chloro	Me silicone
1871	phthalic acid, diisobutyl ester	OV1-1/SE-54
1871	propanoic acid, beta-(3-hydroxy-4-methoxyphenyl), trimethylsilyl derivative	OV-1
1872	dichlorobenzyl heptyl ether, 2,4-	CP Sil 5CB
1873	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	OV-1
1873	mercury, diphenyl	OV-1
1873	mobam	DB-1
1874	benzophenone, 4-methoxy	OV-1/SE-30
1874	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1874	pyrazine, 5-sec-butyl-3-methyl-2-(phenylthio)	OV-101
1875	diethyltryptamine	SE-30
1877	anthracene, 2-methyl	Me silicone
1880	adipic acid, di(ethoxyethyl) ester	OV-1
1880	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	OV-1/SE-30
1880	oxalic acid, dicyclohexyl	OV-1
1880	phosphorothioic acid, OO-dimethyl O-2,4,5-trichlorophenyl ester (ronnel)	OV-1
1882	acetanilide, 2-chloro-2',6'-diethyl-N-methoxymethyl (alachlor)	DB-1
1882	pyrazine, 5-isobutyl-3-methyl-2-(phenylthio)	OV-101
1883	benzoic acid, 3,5-dinitro, 1-methylpropyl ester	SE-30
1883	triazine-2,4-diamine, N,N'-bis(1-methylethyl)-6-(methylthio)-1,3,5-, (prometryne)	DB-1
1884	propanoic acid, beta-(4-hydroxy-3-methoxyphenyl), trimethylsilyl derivative	OV-1
1885	aminoparathion	OV-1/SE-30
1885	sulphide, dioctyl	SE-30
1886	biphenyl, 2,2',5,5'-tetrachloro (PCB 52)	CP Sil 5CB
1888	diphenhydramine	Me silicone
1888	doxylamine	SE-30
1888	phenenthrene, 1-methyl	Me silicone
1889	benzoic acid, 4-hydroxy-3,5-dimethoxy, trimethylsilyl derivative	OV-1
1890	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	OV-1
1891	benzoic acid, 4-nitro, 2,2,2-trichloroethyl ester	SE-30
1891	naphthalene, tetrachloro (TCN)	CP Sil 5CB
1892	mandelic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative	OV-1
1893	heptadecane, 2,6,10,14-tetramethyl	SE-30
1893	phosphorothioic acid, OO-dimethyl O-2,4,5-trichlorophenyl ester (ronnel)	OV-1/SE-30
1895	biphenyl, 2,2',4,5'-tetrachloro (PCB 49)	CP Sil 5CB
1895	salicylic acid, octyl ester	SE-30
1895	urea, 3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethyl (chloroxuron)	DB-1
1897	phosphorothioic acid, OO-dimethyl O-2,4,5-trichlorophenyl ester (ronnel)	DB-1
1900	naphthalene, 1,5-dinitro	Me silicone
1900	nonadecane	Me silicone
1900	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	OV-1
1901	parathion oxygen analog	DB-1
1901	thianthrene	OV-1
1902	chlorodene, gamma-	CP Sil 5CB
1903	benzoic acid, 3,5-dinitro, 2-methylpropyl ester	SE-30
1903	phthalic acid, dibutyl ester	OV-1
1903	urea, 3-(3,4-dichlorophenyl)-1-methyoxy-1-methyl (linuron)	OV-1
1904	benzoic acid, 4-nitro, trans-3-hexenyl ester	SE-30
1905	benzoic acid, 4-nitro, cis-3-hexenyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1905	phosphorothioic acid, OO-dimethyl O-4-nitrophenyl ester (parathion-methyl)	Me silicone
1906	lactic acid, beta-(4-hydroxyphenyl), trimethylsilyl derivative	SE-30
1906	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	CP Sil 5CB
1906	triazine-2,4-diamine, N-(1,1-dimethylethyl)-N'-ethyl-6-(methylthio)-1,3,5-, (terbutryne)	SE-30
1908	picloram (methylated)	DB-1
1910	ethane, 1,1'-oxybis[2-((2-chloroethyl)thio)]	DB-1
1910	hexadecanoic acid, methyl ester (methyl palmitate)	Me silicone
1911	benzoic acid, 4-nitro, hexyl ester	SE-30
1911	hexadecanoic acid, methyl ester (methyl palmitate)	SE-30
1911	phthalic acid, dibutyl ester	OV-1
1913	lactic acid, beta-(4-hydroxyphenyl), trimethylsilyl derivative	OV-1
1913	phthalic acid, dibutyl ester	OV-1/SE-30
1915	carbamic acid, 4-methylthio-3,5-xylyl methyl ester (mesurol)	DB-1
1915	orphenadrine	SE-30
1915	parathion oxygen analog	OV-1
1915	phenyltoloxamine	SE-30
1917	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	SE-30
1917	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	OV-1/SE-30
1919	biphenyl, 2,2',3,5'-tetrachloro (PCB 44)	CP Sil 5CB
1919	phosphorothioic acid, O,2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl ester (pirimiphos-methyl)	Me silicone
1920	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	OV-1
1922	fenitrothion	Me silicone
1923	pyrazine, 2-methyl-5-(2-methylbutyl)-3-octyl	OV-101
1924	adipic acid, di(ethoxyethyl) ester	OV-1/SE-30
1924	phthalic acid, dibutyl ester	OV-1
1927	acetic acid, butyl ester, 2,4-dichlorophenoxy (2,4-D butyl ester)	Me silicone
1927	urea, 3-(3,4-dichlorophenyl)-1-methyoxy-1-methyl (linuron)	DB-1
1928	cinnamic acid, 4-hydroxy, trimethylsilyl derivative	OV-1
1929	anthracene, 9-methyl	Me silicone
1930	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	Me silicone
1931	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1932	phenyramidol	SE-30
1934	acetic acid, 3-indolyl, trimethylsilyl derivative	OV-1
1935	naphthalene, 2-phenyl	Me silicone
1935	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	OV-1
1936	benzothiazole, 2-mercapto	OV-1
1937	anthraquinone	Me silicone
1937	phthalic acid, dibutyl ester	OV-101
1937	phthalic acid, diisobutyl ester	OV-101
1938	benzoic acid, 3,5-dinitro, 3-butenyl ester	SE-30
1938	carbamic acid, s-4-chlorobenzyl diethylthio ester (benthiocarb)	DB-1
1938	phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)	DB-1
1938	phthalic acid, dibutyl ester	OV-101
1939	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1940	phthalic acid, dibutyl ester	SE-30
1940	triazine-2,4-diamine, N-(1,1-dimethylethyl)-N'-ethyl-6-(methylthio)-1,3,5-, (terbutryne)	OV-1/SE-30
1941	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	OV-1
1941	urea, 1,1-dimethyl-3-(perhydro-4,7-methanoinden-5-yl) (noruron, norea, Herban)	DB-1
1942	phosphoramidothioic acid, o-2,4-dichlorophenyl o-methyl isopropyl ester (zytron)	DB-1
1942	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	OV-1/SE-30
1942	phthalic acid, pentyl propyl ester	SE-30
1943	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	OV-1/SE-30
1944	fenitrothion	SE-30
1945	anthrone	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1945	hexadecanoic acid, (palmitic acid)	OV-1
1945	hexadecanoic acid, (palmitic acid)	OV-1
1946	dodecane, 1,12-dibromo	Me silicone
1946	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	OV-1
1946	propanoic acid, -dihydroxyphenyl, trimethylsilyl derivative	SE-30
1948	mandelic acid, 3,4-dihydroxy, trimethylsilyl derivative	OV-1
1949	tripelennamine	SE-30
1950	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	OV-1
1950	phenanthrene, 9-chloro	Me silicone
1950	phthalic acid, butyl isodecyl ester	OV-1
1950	pyruvic acid, 2-methoxyphenyl, trimethylsilyl derivative	SE-30
1951	triazine, 2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5- (cyanazine, Bladex, Fortrol)	DB-1
1952	methapyrilene	SE-30
1953	benzoic acid, 3,5-dinitro, 1,2-dimethylpropyl ester	SE-30
1953	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion-ethyl)	OV-1/SE-30
1954	pyruvic acid, 2-methoxyphenyl, trimethylsilyl derivative	OV-1
1955	indene, 4,5,6,7,8,8-hexachloro-1-hydroxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (1-hydroxychlordene)	OV-1
1955	phthalic acid, dibutyl ester	OV1-1/SE-54
1957	benzoic acid, 3,5-dinitro, butyl ester	SE-30
1957	phenobarbitone	OV-1/SE-30
1957	supracide oxygen analog	DB-1
1958	benzoic acid, 3,5-dinitro, 2-propynyl ester	Me silicone
1958	naphazoline	SE-30
1960	terephthalic acid, dimethyl ester, 2,3,5,6-tetrachloro (DCPA)	OV-1
1961	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	DB-1
1962	benzoic acid, 3,5-dinitro, 1-methyl-3-butenyl ester	SE-30
1962	pyrazine, 2-methyl-6-(2-methylbutyl)-3-octyl	OV-101
1962	theophylline	Me silicone
1963	thenyldiamine	SE-30
1964	dichlorobenzyl octyl ether, 2,4-	CP Sil 5CB
1965	benzoic acid, decyl ester	SE-30
1965	diphenylamine, 2-nitro	Me silicone
1965	phosphorothioic acid, o,o-diethyl o-3,5,6-trichloro-2-pyridyl ester (dursban)	DB-1
1965	phthalic acid, dibutyl ester	OV1-1/SE-54
1966	phosphoroamidate, 4-tert-butyl-2chlorophenyl methyl methyl (crufomate, Ruelene)	DB-1
1967	dibenzofuran, 3-nitro	Me silicone
1968	hexadecane, 1-bromo	Me silicone
1968	indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)	SE-30
1969	dichlorobenzyl octyl ether, 2,4-	CP Sil 5CB
1970	benzoic acid, 3,5-dinitro, trans-3-butenyl ester	SE-30
1971	benzoic acid, 3,5-dinitro, 1-methylbutyl ester	SE-30
1971	bicyclohexyl, 4-phenyl	SP-2100
1971	phosphorothioic acid, O-(4-bromo-2,5-dichlorophenyl) OO-dimethyl ester, (bromophos)	OV-1
1971	propanoic acid, beta-(3-indolyl), trimethylsilyl derivative	OV-1
1972	chlorpheniramine	SE-30
1972	dichlorobenzyl octyl ether, 2,4-	CP Sil 5CB
1972	terephthalic acid, diisobutyl ester	OV-1
1973	amine, tri-n-heptyl	DB-1
1973	cyclobarbitone	Me silicone
1973	hexadecanoic acid, (palmitic acid)	OV-1/SE-30
1975	dichlorobenzyl octyl ether, 2,4-	CP Sil 5CB
1975	indane, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor epoxide)	CP Sil 5CB
1976	anthraquinone	Me silicone
1978	phosphorothioic acid, O-(4-bromo-2,5-dichlorophenyl) OO-dimethyl ester, (bromophos)	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
1978	procaine	SE-30
1979	hexadecanoic acid, ethyl ester	SE-30
1980	hexadecanoic acid, (palmitic acid)	Me silicone
1980	phthalic acid, dimethoxyethyl ester	OV-1
1980	pyribenzamine	OV-1
1981	hexadecanoic acid, ethyl ester	OV-101
1982	chlorodane, oxy	CP Sil 5CB
1982	chlorpyrifos	Me silicone
1983	pyrene	OV-1
1984	octadecane, 2,6,10,14-tetramethyl	SE-30
1984	phenanthrene, 3,6-dimethyl	Me silicone
1985	pyrazine, 2-methyl-6-(2-methylbutyl)-3-octyl	OV-101
1988	biphenyl, 2,3',4',5-tetrachloro (PCB 70)	CP Sil 5CB
1989	benzophenone, 2-amino-5-chloro	OV-1
1989	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
1989	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	Me silicone
1994	cinnamic acid, 3,5-dimethoxy, trimethylsilyl derivative	SE-30
1995	benzophenone, 2-amino-5-chloro	OV-1
1995	carboxylic acid, 3-indolyl, trimethylsilyl derivative	OV-1
1995	phenobarbitone	Me silicone
1998	cinnamic acid, 3,4-dimethoxy, trimethylsilyl derivative	SE-30
2000	eicosane	Me silicone
2000	harman	OV-1
2000	isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H- (captan)	OV-1
2000	pyruvic acid, 3-hydroxyphenyl, trimethylsilyl derivative	SE-30
2003	biphenyl, 2,2',3,5',6-pentachloro (PCB 95)	CP Sil 5CB
2004	hydracrylic acid, beta-(3-hydroxy-4-methoxyphenyl), trimethylsilyl derivative	OV-1
2005	norharman	OV-1
2008	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	SE-30
2009	alanine, N-acetyl-4-methoxyphenyl, trimethylsilyl derivative	OV-1
2010	triazine-2-amine, 4,6-dichloro-N-(2-chlorophenyl)-1,3,5- (Dyrene)	OV-1
2010	triazine-2-amine, 4,6-dichloro-N-(2-chlorophenyl)-1,3,5- (anilazine)	OV-1
2012	cinnamic acid, 2,4-dimethoxy, trimethylsilyl derivative	SE-30
2012	indane, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor epoxide)	OV-1
2012	phosphorodithioic acid, s-2,3-dihydro-5-methoxy-2-oxol,3,4-thiadiazol-3-ylmethyl o,o-dimethyl ester(supracide)	DB-1
2014	benzoic acid, 3,5-dinitro, 2-chloroethyl ester	SE-30
2015	benzoic acid, 3,5-dinitro, 2-methylbutyl ester	SE-30
2015	indane, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor epoxide)	OV-1
2015	indane, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor epoxide)	OV-1/SE-30
2015	isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-1H- (folpet)	OV-1
2016	benzoic acid, 4-nitro, heptyl ester	SE-30
2018	chlordane, gamma-	CP Sil 5CB
2019	isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H- (captan)	DB-1
2020	nonadecane, 2,6,10,14-tetramethyl	OV-1/SE-30
2021	pyruvic acid, 2,5-dihydroxyphenyl lactone, trimethylsilyl derivative	OV-1
2023	fluoranthene	Me silicone
2025	isophthalic acid, dibutyl ester	OV-101
2025	isophthalic acid, dibutyl ester	OV-101
2025	mepivicaine	SE-30
2027	lactic acid, beta-(4-hydroxy-3-methoxyphenyl), trimethylsilyl derivative	OV-1
2027	naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)	Me silicone
2030	fluoranthene	Me silicone
2030	isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H- (captan)	SE-30
2030	isophthalic acid, dibutyl ester	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2036	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2036	pyrene	SE-30
2039	benzophenone, 2-amino-5-chloro	OV-1/SE-30
2039	glutamic acid, phenylacetyl, trimethylsilyl derivative	OV-1
2039	norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulphite, 5- (endosulphan)	CP Sil 5CB
2040	phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)	OV-1
2041	hippuric acid, 2-hydroxy, trimethylsilyl derivative	OV-1
2042	benzidine	OV-1
2042	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2047	carbinoxamine	SE-30
2047	ethene, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDE)	CP Sil 5CB
2049	procaine	Me silicone
2050	chlordane, alpha-	CP Sil 5CB
2050	oxazole, 2,5-diphenyl (PPO)	OV-1
2051	pyruvic acid, 4-hydroxyphenyl, trimethylsilyl derivative	SE-30
2052	cinnamic acid, cinnamyl ester	SE-30
2053	biphenyl, 2,2'4,5,5'-pentachloro (PCB 101)	CP Sil 5CB
2053	phosphoric acid, 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl ester (chlorfenvinphos)	Me silicone
2053	propanoic acid, beta-(3-indolyl), trimethylsilyl derivative	OV-1
2054	benzoic acid, 3,5-dinitro, 4-pentenyl ester	SE-30
2054	cinnamic acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative	OV-1
2055	benzacenaphthylene	Me silicone
2055	biphenyl, 2,2-dinitro	Me silicone
2055	triphenylamine	OV-1
2058	benzoic acid, 3,5-dinitro, pentyl ester	SE-30
2058	dithiocarbonate, s,s-(6-methylquinoxaline-2,3-diyl) (morestan)	DB-1
2058	terephthalic acid, dibutyl ester	OV-101
2060	disyston sulfone	DB-1
2060	terephthalic acid, dibutyl ester	SE-30
2061	pyrene	OV-1
2061	pyruvic acid, 4-hydroxyphenyl, trimethylsilyl derivative	OV-1
2063	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2064	pyrazine, 3-methyl-5-(2-methylpentyl)-2-(phenylthio)	OV-101
2066	terephthalic acid, dibutyl ester	OV-1
2067	benzophenone, 2-amino-5-chloro	Me silicone
2067	brompheniramine	SE-30
2067	dichlorobenzyl nonyl ether, 2,4-	CP Sil 5CB
2067	glutamic acid, phenylacetyl, trimethylsilyl derivative	OV-1
2067	nonachlor, trans	CP Sil 5CB
2068	benzoic acid, undecyl ester	SE-30
2068	glutamine, phenylacetyl, trimethylsilyl derivative	OV-1
2070	ethene, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDE)	OV-1
2071	pyrene	Me silicone
2072	dichlorobenzyl nonyl ether, 2,4-	CP Sil 5CB
2072	ethene, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDE)	OV-1
2073	diphenylpyralamine	SE-30
2073	heptadecane, 1-bromo	Me silicone
2073	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2076	dichlorobenzyl nonyl ether, 2,4-	CP Sil 5CB
2076	nonadecane, 2,6,10,14-tetramethyl	SE-30
2077	ethion dioxin	DB-1
2077	isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-1H- (folpet)	Me silicone
2078	cinnamic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative	OV-1
2078	dichlorobenzyl nonyl ether, 2,4-	CP Sil 5CB

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2078	diphenylamine, 2-amino-5-chloro	OV-1/SE-30
2079	hippuric acid, 4-methoxy, trimethylsilyl derivative	OV-1
2080	cinnamic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative	SE-30
2080	dicyclomine	SE-30
2080	glutamine, phenylacetyl, trimethylsilyl derivative	OV-1
2082	aceturic acid, 4-methoxyphenyl, trimethylsilyl derivative	OV-1
2084	octadecane, 1-chloro	Me silicone
2084	phosphoric acid, (Z)-2-chloro-1-(2,4,5-trichlorophenyl)vinyl ester (gardona)	DB-1
2084	phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester (tetrachlorvinphos Z isomer)	OV-1
2085	acetic acid, methyl ester, 2,2-bis(4-chlorophenyl)	OV-1
2085	barbituric acid, 5-ethyl-5-(4-methylphenyl)	OV-1
2085	benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan I)	OV-1
2086	benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan I)	OV-1
2086	norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulphite, 5- (endosulphan)	OV-1
2086	octadecenoic acid, methyl ester, cis-9- (methyl oleate)	OV-1
2087	thiodan 1	DB-1
2088	anthranilic acid, phenylethyl ester	SE-30
2088	biphenyl, 2,2',3',4,5-pentachloro (PCB 97)	CP Sil 5CB
2088	biphenyl, 2,2',3,4,5'-pentachloro (PCB 87)	CP Sil 5CB
2088	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	CP Sil 5CB
2091	sulphide, dinonyl	SE-30
2092	phosphorodithioic acid, S-((5-methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl)O,O-dimethyl ester (methidathion)	SE-30
2096	cinnamic acid, phenylethyl ester	SE-30
2097	anthracene, 9,10-dimethyl	Me silicone
2097	dextromethorphan	SE-30
2097	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2098	heptabarbitone	Me silicone
2098	octadecanoic acid, methyl ester, (methyl stearate)	SE-30
2100	heneicosane	Me silicone
2100	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	OV-1
2100	octadecadienoic acid, methyl ester, 9,12- (methyl linoleate)	OV-1
2100	propionamide, (RS)-N,N-diethyl-2-(1-naphthyloxy) (devrinol)	DB-1
2102	fluorene, 2-nitro	SE-30
2103	phthalic acid, diethoxyethyl ester	OV-1/SE-30
2104	benzoic acid, 3,5-dinitro, 2,2-dichloroethyl ester	SE-30
2104	pyrazine, 2-phenoxy	OV-101
2105	pipradrol	SE-30
2107	anthracene-9-carbonitrile	Me silicone
2107	benzophenone, 2-methylamino-5-chloro	OV-1/SE-30
2107	lactic acid, beta-(3-indolyl), trimethylsilyl derivative	OV-1
2109	phenindiamine	SE-30
2110	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	OV-1/SE-30
2111	propranolol	SE-30
2112	ethene, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-DDE)	CP Sil 5CB
2112	octadecanoic acid, methyl ester, (methyl stearate)	Me silicone
2112	phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester (tetrachlorvinphos Z isomer)	Me silicone
2115	benzophenone, 2-methylamino-5-chloro	Me silicone
2116	butenedioc acid, disextyl ester, cis- (disextyl maleate)	OV-1
2116	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2116	octadecanoic acid, methyl ester, (methyl stearate)	OV-1
2118	ethane, 2-(2-chlorophenyl)-2-(4-chlorophenyl)-1,1-dichloro (2,4'DDD)	CP Sil 5CB
2119	carbamic acid, 4-chlorobut-2-ynyl 3-chlorophenyl ester (barban)	DB-1
2119	cinnamic acid, 3,4,5-trimethoxy, trimethylsilyl derivative	SE-30
2120	fluorene, 2-nitro	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2120	hippuric acid, 3-hydroxy, trimethylsilyl derivative	OV-1
2120	phthalic acid, dipentyl ester	OV-101
2121	benzoic acid, 4-nitro, octyl ester	SE-30
2121	methadone	SE-30
2121	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (endrin)	CP Sil 5CB
2121	phthalic acid, dipentyl ester	OV-101
2122	phthalic acid, diisopentyl ester	OV-101
2122	phthalic acid, dipentyl ester	SE-30
2123	oxymetalozine	SE-30
2124	phthalic acid, butyl hexyl ester	SE-30
2125	bromodiphenhydramine	SE-30
2125	cinnamic acid, phenylethyl ester	OV-1/SE-30
2126	def	DB-1
2127	phthalic acid, dipentyl ester	OV-1/SE-30
2129	tyrosine, N-acetyl, trimethylsilyl derivative	OV-1
2130	ethane, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-TDE)	OV-1
2130	ethene, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-DDE)	OV-1
2130	pyruvic acid, 3,4-dimethoxyphenyl, trimethylsilyl derivative	SE-30
2135	phthalic acid, diethoxyethyl ester	OV-1
2135	sebacic acid, dibenzyl ester	OV-1
2136	cinnamic acid, 3,4-dihydroxy, trimethylsilyl derivative	SE-30
2137	sebacic acid, dibutyl ester	OV-1
2137	sebacic acid, dibutyl ester	OV-1/SE-30
2139	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	OV-1
2139	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	OV-1
2140	ethane, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-TDE)	OV-1/SE-30
2140	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	OV-1
2140	phthalic acid, dipentyl ester	OV-1
2141	nonadecane, 2,6,10,14,18-pentamethyl	SE-30
2142	ethion monoxon	DB-1
2143	cinnamic acid, phenylethyl ester	SE-30
2145	ethene, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-DDE)	OV-1
2146	ethane, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-TDE)	OV-1
2146	ethane, 2-(2-chlorophenyl)-2-(4-chlorophenyl)-1,1-dichloro (2,4'DDD)	OV-1
2146	hyocyamine	SE-30
2147	atropine	SE-30
2147	biphenyl, 2,2',3,5,5',6-hexachloro (PCB 151)	CP Sil 5CB
2147	phenanthrene-9-carboxaldehyde	Me silicone
2148	methadone	OV-1/SE-30
2149	benzoic acid, 3,5-dinitro, 2,2,2-trichloroethyl ester	SE-30
2149	cinnamic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative	OV-1
2149	fluorene, 3-nitro-9-	Me silicone
2149	octadecenoic acid, ethyl ester, cis-9- (ethyl oleate)	OV-101
2150	citric acid, tributyl ester	OV-1
2150	phosphorothioic acid, O-2,5-dichloro-4-iodophenyl O,O-dimethyl ester (iodofenphos)	SE-30
2150	xanthine, 3-isobutyl-1-methyl	OV-1
2151	ethene, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-DDE)	OV-1
2156	benzoic acid, 3,5-dinitro, trans-3-hexenyl ester	SE-30
2158	benzoic acid, 3,5-dinitro, cis-3-hexenyl ester	SE-30
2158	oxadiazol-2(3H)-one, 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4- (oxadiazon)	DB-1
2159	phthalic acid, isobutylcyclohexyl ester	OV-1
2159	tok	DB-1
2161	cocaine	SE-30
2162	amitripyline	SE-30

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2162	benzoic acid, 3,5-dinitro, hexyl ester	SE-30
2163	acetic acid, iso-octyl ester, 2,4-dichlorophenoxy (2,4-D iso-octyl ester)	OV-1
2165	anthracene, 9-nitro	Me silicone
2165	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (endrin)	OV-1
2165	propoxyphene	SE-30
2167	pyruvic acid, 4-hydroxy-3-methoxyphenyl, trimethylsilyl derivative	OV-1
2168	lactic acid, beta-(3-indolyl), trimethylsilyl derivative	OV-1
2169	levorphanol	SE-30
2170	biphenyl, 2,2',3,4',5',6-hexachloro (PCB 149)	CP Sil 5CB
2170	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	SE-30
2170	octadecanoic acid (stearic acid)	Me silicone
2171	dichlorobenzyl decyl ether, 2,4-	CP Sil 5CB
2171	naphthalene, 1,8-dinitro	Me silicone
2172	thonzylamine	SE-30
2173	benzoic acid, dodecyl ester	SE-30
2173	pyrimidinemethanol, alpha-cyclopropyl-alpha-(4-methoxyphenyl)-5-, methylated (a-rest methylated)	DB-1
2174	nortripyline	SE-30
2174	phthalic acid, isobutylcyclohexyl ester	OV-1/SE-30
2175	benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan II)	OV-1
2175	ethane, 1,1-dichloro-2,2-bis(4-ethylphenyl) (ethylan)	OV-1
2175	ethane, 1,1-dichloro-2,2-bis(4-ethylphenyl) (perthane)	OV-1
2175	octadecanoic acid, ethyl ester	SE-30
2175	octadecenoic acid, ethyl ester, cis-9- (ethyl oleate)	OV-1
2175	procainamide	SE-30
2176	dichlorobenzyl decyl ether, 2,4-	CP Sil 5CB
2177	benzo(a)fluorene	Me silicone
2177	chloroprocaine	SE-30
2178	linolenic acid	OV-1/SE-30
2178	phenanthrene, 9,10-dichloro	Me silicone
2179	dichlorobenzyl decyl ether, 2,4-	CP Sil 5CB
2180	octadecane, 1-bromo	Me silicone
2180	octadecanoic acid, methyl ester, (methyl stearate)	OV-101
2183	anthracene-9-carboxaldehyde	Me silicone
2183	benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan II)	OV-1
2183	dichlorobenzyl decyl ether, 2,4-	CP Sil 5CB
2183	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (endrin)	OV-1/SE-30
2184	ethane, 2,2-bis(4-chlorophenyl)-1,1-dichloro (4,4'DDD)	CP Sil 5CB
2185	naphthalene, 1-ammino-4-nitro	Me silicone
2187	phosphorodithioic acid, s-4-chlorophenylthiomethyl o,o-dimethyl ester (methyl trithion)	DB-1
2187	retene	Me silicone
2187	thiodan 11	DB-1
2188	but-2-enoic acid, 2-sec-butyl-4,6-dinitrophenyl 3-methyl ester (morocide)	DB-1
2190	imipramine	SE-30
2191	benzophenone, 2-amino-5,2'-dichloro (lorazepam benzophenone)	Me silicone
2193	zolamine	SE-30
2194	doxepin	SE-30
2194	methadone	Me silicone
2195	benzo(b)fluorene	Me silicone
2195	glutamine, phenylacetyl, trimethylsilyl derivative	OV-1
2197	methaqualone	Me silicone
2197	tetracaine	SE-30
2200	desipramine	SE-30
2200	docosane	Me silicone
2200	ethane, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-TDE)	OV-1

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2200	ethane, 1,1-dichloro-2,2-bischlorophenyl (TDE)	DB-1
2200	pyrilamine	SE-30
2204	cyclobenzaprine	SE-30
2205	phenoxybenzamide	SE-30
2206	acetic acid, 3-(5-hydroxyindolyl), trimethylsilyl derivative	OV-1
2207	protriptyline	SE-30
2208	terphenyl, 1,4-	OV-1
2208	terphenyl, 1,4-	SE-30
2209	pyruvic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative	SE-30
2211	trihexyphenidyl	SE-30
2212	cinnamic acid, 3,5-dimethoxy-4-hydroxy, trimethylsilyl derivative	SE-30
2212	ethane, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-TDE)	OV-1
2212	ethane, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-TDE)	OV-1
2213	ethane, 1,1-dichloro-2,2-bischlorophenyl (TDE)	OV-1
2217	phenazopyridine	SE-30
2219	ethylbenzoylecgonine	SE-30
2219	isophthalic acid, dipentyl ester	OV-101
2219	isophthalic acid, dipentyl ester	OV-101
2220	diphosphorodithioic acid, O,O,O',O'-tetraethyl S,S'-methylene ester (ethion)	OV-1
2220	ethane, 1,1,1-trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDT)	OV-1
2220	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)	Me silicone
2222	biphenyl, 2,2',4,4',5,5'-hexachloro (PCB 153)	CP Sil 5CB
2222	isophthalic acid, dipentyl ester	SE-30
2224	triprolidine	SE-30
2224	triptylene	OV-1
2227	benzoic acid, 4-nitro, nonyl ester	SE-30
2228	propionic acid, 2-(N-(3-chloro-4-flourophenyl)benzamido)-, isopropyl ester (flampropisopropyl)	SE-30
2230	carbetapentane	SE-30
2231	pyrene, methyl	Me silicone
2232	diphosphorodithioic acid, O,O,O',O'-tetraethyl S,S'-methylene ester (ethion)	DB-1
2232	ethane, 1,1,1-trichloro-2,2-bis(chlorophenyl) (DDT)	OV-1
2233	cocaine	Me silicone
2234	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2234	promethazine	SE-30
2235	benactyzine	SE-30
2236	naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (endrin)	SE-30
2239	fluoranthene, 3-chloro	Me silicone
2240	cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H- (chlordecone)	OV-1
2242	ethane, 1,1,1-trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDT)	SE-30
2244	benzodiazopine-2,4-(2H,5H)-dione, 1-methyl-5-phenyl-7-trifluoromethyl-1H-1,5- (triflubazam)	OV-1
2244	biphenyl, 2,2',3,4,5,5'-hexachloro (PCB 141)	CP Sil 5CB
2246	pentazocine	SE-30
2248	pramoxine	SE-30
2249	indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)	OV-1
2250	dimethindine	SE-30
2250	propane, 2-nitro-1,1-bis(4-chlorophenyl) (prolan)	OV-1
2251	bupivacaine	SE-30
2253	citric acid, acetyltributyl ester	OV-1
2255	phosphorodithioic acid, S-[[(4-chlorophenyl)thio]methyl] O,O-diethyl ester (carbophenothion)	OV-1
2257	biphenyl, 2,2',3,4,4',5-hexachloro (PCB 137)	CP Sil 5CB
2258	terephthalic acid, dipentyl ester	OV-101
2261	hyoscine	SE-30
2261	terephthalic acid, dipentyl ester	SE-30
2264	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	CP Sil 5CB

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2265	diphosphorodithioic acid, O,O,O',O'-tetraethyl S,S'-methylene ester (ethion)	Me silicone
2266	benzoic acid, 3,5-dinitro, heptyl ester	SE-30
2266	imidan oxygen analog	DB-1
2266	promazine	SE-30
2269	atropine	Me silicone
2270	sebacic acid, diethoxyethyl ester	OV-1
2271	oxazepam	SE-30
2271	tribenzylamine	OV-1
2273	biphenyl, 2,2',3,4,4',5'-hexachloro (PCB 138)	CP Sil 5CB
2275	dichlorobenzyl undecyl ether, 2,4-	CP Sil 5CB
2277	phosphorodithioic acid, s-4-chlorophenylthiomethyl o,o-diethyl ester (trithion)	DB-1
2280	dichlorobenzyl undecyl ether, 2,4-	CP Sil 5CB
2282	adipic acid, dicyclohexyl ester	OV-1
2284	dichlorobenzyl undecyl ether, 2,4-	CP Sil 5CB
2287	benztropine	SE-30
2287	dichlorobenzyl undecyl ether, 2,4-	CP Sil 5CB
2287	phthalic acid, butyl benzyl ester	OV-1
2288	anthracene, 9,10-dicarbonitrile	OV-1
2290	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	OV-1
2290	octadecane, 1-iodo	Me silicone
2290	phthalic acid, butyl benzyl ester	OV-1/SE-30
2292	eicosane, 1-chloro	Me silicone
2293	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	OV-1
2294	ethane, 1,1,1-trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDT)	CP Sil 5CB
2295	sulphide, didecyl	SE-30
2296	glutamic acid, phenylacetyl, trimethylsilyl derivative	OV-1
2296	maprotiline	SE-30
2297	amine, tri-n-octyl	DB-1
2300	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	OV-1
2300	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	OV-1
2300	tricosane	Me silicone
2305	phthalic acid, dihexyl ester	OV-101
2306	binaphthyl, 1,1'-	Me silicone
2306	levallorphan	SE-30
2306	phthalic acid, dihexyl ester	OV-101
2307	phosphoric acid, tris(2,3-dichloropropyl) ester	OV-1
2307	propoxycaine	SE-30
2308	phthalic acid, dihexyl ester	SE-30
2309	hydroxyamitriptyline	SE-30
2310	butane, 2-nitro-1,1-bis(4-chlorophenyl (bulan)	OV-1
2310	phosphorodithioic acid, S-[[(4-chlorophenyl)thio]methyl] O,O-diethyl ester (carbophenothion)	SE-30
2310	phthalic acid, heptyl pentyl ester	SE-30
2316	benzonitrile, 3,5-dibromo-4-octanoloxy ester (bromoxynil octanoate)	SE-30
2316	piperidolate	SE-30
2317	phthalic acid, butyl octyl ester	SE-30
2319	glutamic acid, 4-methoxyphenylacetyl, trimethylsilyl derivative	OV-1
2322	biphenyl, 2,2',3,3',4,4'-hexachloro (PCB 128)	CP Sil 5CB
2323	codeine	SE-30
2323	dihydrocodeine	SE-30
2325	hydroxynortriptyline	SE-30
2325	phthalic acid, nonyl propyl ester	SE-30
2326	hippuric acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative	OV-1
2327	hippuric acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative	OV-1
2327	phthalic acid, butyl benzyl ester	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2330	ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)	SE-30
2333	benzoic acid, 4-nitro, decyl ester	SE-30
2343	phthalic acid, decyl ethyl ester	SE-30
2345	benzo(ghi)fluoranthene	Me silicone
2348	norpropoxyphene	SE-30
2350	adipic acid, dioctyl ester	Me silicone
2353	lorazepam	SE-30
2358	guthion oxygen analog	DB-1
2363	phosphoric acid, triphenyl ester	OV-1
2363	phosphoric acid, tris(butoxyethyl) ester	OV-1
2364	ethylmorphine	SE-30
2366	aniline, 4-methylsuphonyl-2,6-dinitro-N,N-dipropyl (planavin)	DB-1
2367	morphine	SE-30
2370	benzoic acid, 3,5-dinitro, octyl ester	SE-30
2370	norpropoxyphene	SE-30
2372	anthracene, 9-methyl	Me silicone
2375	hydrocodone	SE-30
2375	phosphorodithioic acid, o,o-dimethyl s-phthalimidomethyl ester (imidan)	DB-1
2376	codeine	OV-1/SE-30
2376	diazepam	OV-1
2376	diazepam	OV-1
2378	dichlorobenzyl dodecyl ether, 2,4-	CP Sil 5CB
2379	flurazepam, N-desalkyl	SE-30
2381	adipic acid, di(2-ethylhexyl) ester	OV-1
2381	biphenyl, 2,2',3,3',5,5',6,6'-octachloro (PCB 202)	CP Sil 5CB
2381	hydromorphone	SE-30
2383	adipic acid, dioctyl ester	OV-1
2383	diazepam	SE-30
2385	dichlorobenzyl dodecyl ether, 2,4-	CP Sil 5CB
2389	dichlorobenzyl dodecyl ether, 2,4-	CP Sil 5CB
2389	phthalic acid, methyl undecyl ester	SE-30
2390	benzophenone, 2-amino-5-nitro (nitrazepam benzophenone)	Me silicone
2391	pyrene, cyclopenta(cd)	Me silicone
2393	dichlorobenzyl dodecyl ether, 2,4-	CP Sil 5CB
2395	eicosane, 1-bromo	Me silicone
2397	adipic acid, diphenyl ester	OV-1
2400	pyrazine, 2-phenylthio	OV-101
2400	tetracosane	Me silicone
2400	tryptophan, N-acetyl, trimethylsilyl derivative	OV-1
2404	phthalic acid, heptyl hexyl ester	SE-30
2405	benzo(a)anthracene	Me silicone
2405	chrysene	Me silicone
2405	triphenylene	Me silicone
2410	acetic acid, 4-chloro-2-methylphenoxy (MCPA)	OV-1
2410	acetic acid, 4-chloro-2-methylphenoxy (MCPA)	OV-1
2410	ethane, 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) (methoxychlor)	OV-1
2414	isophthalic acid, dihexyl ester	OV-101
2414	isophthalic acid, dihexyl ester	OV-101
2415	phthalic acid, butyl nonyl ester	SE-30
2416	isophthalic acid, heptyl pentyl ester	SE-30
2417	ethane, 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) (methoxychlor)	OV-1/SE-30
2417	isophthalic acid, dihexyl ester	SE-30
2417	isophthalic acid, dihexyl ester	SE-30
2419	diazepam	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2419	isophthalic acid, butyl octyl ester	SE-30
2419	isophthalic acid, nonyl propyl ester	SE-30
2420	ethane, 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) (methoxychlor)	OV-1
2420	ethane, 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) (methoxychlor)	OV-1
2421	methdilazine	SE-30
2422	butacaine	SE-30
2422	codeine	Me silicone
2423	biphenyl, 2,2',3,4,4',5,5'-heptachloro (PCB 180)	CP Sil 5CB
2423	isophthalic acid, decyl ethyl ester	SE-30
2424	ethyl guthion oxygen analog	DB-1
2425	diazepam	OV-1/SE-30
2428	diazepam, n-desmethyl	SE-30
2430	diphenyl sulphone, 2,4,4',5-tetrachloro (tetradifon)	OV-1
2430	phosphorodithioic acid, O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-methyl)	OV-1
2430	pyruvic acid, 3-indolyl, trimethylsilyl derivative	OV-1
2442	glyceryl dibenzoate isomer	OV-1
2443	benzoic acid, 4-nitro, undecyl ester	SE-30
2444	adipic acid, diisooctyl ester	OV-1/SE-30
2445	cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H- (mirex)	CP Sil 5CB
2445	phosphoric acid, trioctyl ester	OV-1
2452	chlorpromazine	SE-30
2453	oxycodone	SE-30
2453	phthalic acid, dicyclohexyl ester	OV-1
2455	terephthalic acid, decyl ethyl ester	SE-30
2457	hydantoin, 5-(4-methylphenyl)-5-phenyl	OV-1
2459	isophthalic acid, methyl undecyl ester	SE-30
2459	terephthalic acid, nonyl propyl ester	SE-30
2460	chlorprothixene	SE-30
2460	terephthalic acid, dihexyl ester	OV-101
2461	diazepam	Me silicone
2461	phthalic acid, dicyclohexyl ester	OV-1
2462	benzene, 1,2,4-trichloro-5-[(4-chlorophenyl)sulphonyl] (tedion)	DB-1
2462	oxymorphone	SE-30
2462	phosphorodithioic acid, s-3,4-dihydro-4-oxo-1,2,3-benzotriazin-3-ylmethyl o,o-dimethyl ester (guthion)	DB-1
2463	phosphoric acid, tri(2-ethylhexyl) ester	OV-1
2463	terephthalic acid, dihexyl ester	SE-30
2464	phosphorodithioic acid, O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-methyl)	OV-1
2465	chrysene	SE-30
2465	terephthalic acid, butyl octyl ester	SE-30
2466	terephthalic acid, heptyl pentyl ester ester	SE-30
2469	terephthalic acid, dihexyl ester	SE-30
2470	cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H- (mirex)	OV-1
2470	disopyramide	SE-30
2471	biphenyl, 2,2',3,3',4,4',5-heptachloro (PCB 170)	CP Sil 5CB
2475	phthalic acid, dicyclohexyl ester	SE-30
2476	benzoic acid, 3,5-dinitro, nonyl ester	SE-30
2476	phosphorodithioic acid, s-6-chloro-2,3-dihydro-2-oxo-1,3-benzoxazol-3-ylmethyl o,o-diethyl ester (phosalone)	DB-1
2478	ethene, tetraphenyl	OV-1
2480	cinnamoylcocaine	SE-30
2480	phthalic acid, di(2-ethylhexyl) ester	Me silicone
2482	torak oxygen analog	DB-1
2483	dichlorobenzyl tridecyl ether, 2,4-	CP Sil 5CB
2483	terephthalic acid, methyl undecyl ester	SE-30
2484	adipic acid, dinonyl ester	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2488	androsterone	OV-1/SE-30
2488	phosphorodithioic acid, s-6-chloro-2,3-dihydro-2-oxo-1,3-benzoxazol-3-ylmethyl o,o-diethyl ester (phosalone)	SE-30
2490	dichlorobenzyl tridecyl ether, 2,4-	CP Sil 5CB
2490	methotrimeprazine	SE-30
2494	benzophenone, 2-amino-2'-chloro-5-nitro (clonazepam benzophenone)	Me silicone
2494	phthalic acid, diheptyl ester	OV-101
2495	dichlorobenzyl tridecyl ether, 2,4-	CP Sil 5CB
2495	dichlorobenzyl tridecyl ether, 2,4-	CP Sil 5CB
2495	phosphonothioic acid, o-4-bromo-2,5-dichlorophenyl o-methyl phenyl ester (phosvel)	DB-1
2495	phthalic acid, diheptyl ester	OV-101
2497	phthalic acid, diheptyl ester	SE-30
2497	phthalic acid, hexyl octyl ester	SE-30
2500	mepazine	SE-30
2500	phthalic acid, diheptyl ester	OV-1
2502	biphenyl, 2,2'3,3',4',5,5',6-octachloro (PCB 201)	CP Sil 5CB
2504	phthalic acid, di(2-ethylhexyl) ester	OV-1
2505	norpropoxypheneamide	SE-30
2505	phthalic acid, di(2-ethylhexyl) ester	OV-1
2506	phthalic acid, di(2-ethylhexyl) ester	OV-1
2506	phthalic acid, dioctyl ester	OV-1
2507	phosphorodithioic acid, O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-methyl)	Me silicone
2507	phthalic acid, di(2-ethylhexyl) ester	OV-1
2509	phthalic acid, di(2-ethylhexyl) ester	SE-30
2510	nalorphine	SE-30
2511	phthalic acid, diisodecyl ester	OV-1
2514	trimethoprim	SE-30
2517	benzophenone, 2-amino-5-chloro-2'-fluoro (flurazepam benzophenone)	Me silicone
2518	phthalic acid, cyclohexyltridecyl ester	OV-1
2519	phthalic acid, dioctyl ester	OV-1
2525	phthalic acid, diisooctyl ester	OV-1/SE-30
2526	chlorpromazine	Me silicone
2530	acetylcodeine	Me silicone
2540	adipic acid, dioctyl ester	OV-1
2542	benzophenone, 2-amino-5-chloro-2'-fluoro (flurazepam benzophenone)	Me silicone
2542	loxepine	SE-30
2550	benzoic acid, 4-nitro, dodecyl ester	SE-30
2550	phthalic acid, diphenyl ester	OV-1
2551	phosphorodithioic acid, s-3,4-dihydro-4-oxo-1,2,3-benzotriazin-3-yl o,o-diethyl ester (ethyl guthion)	DB-1
2553	phosphorodithioic acid, O,O-diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-ethyl)	OV-1
2570	phosphorodithioic acid, s-2-chloro-1-phthalimidoethyl o,o-diethyl ester (torak)	DB-1
2573	biphenyl, 2,2',3,3',4,4',5,6-octachloro (PCB 195)	CP Sil 5CB
2575	amoxapine	SE-30
2579	phosphorodithioic acid, O,O-diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-ethyl)	Me silicone
2581	benzoic acid, 3,5-dinitro, decyl ester	SE-30
2581	diacetylmorphine	SE-30
2588	dichlorobenzyl tetradecyl ether, 2,4-	CP Sil 5CB
2594	dichlorobenzyl tetradecyl ether, 2,4-	CP Sil 5CB
2600	dichlorobenzyl tetradecyl ether, 2,4-	CP Sil 5CB
2600	dichlorobenzyl tetradecyl ether, 2,4-	CP Sil 5CB
2600	flurazepam, hydroxy-ethyl	SE-30
2600	hexacosane	Me silicone
2602	phthalic acid, decyl pentyl ester	SE-30
2605	isophthalic acid, diheptyl ester	OV-101
2605	isophthalic acid, diheptyl ester	OV-101

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2608	isophthalic acid, diheptyl ester	SE-30
2608	naloxone	SE-30
2610	benzodiazepin-2-one, 7-chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-2H-1,4- (prazepam)	OV-1
2612	benzodiazepin-2-one, 7-chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-2H-1,4- (prazepam)	OV-1/SE-30
2612	mestranol	OV-1/SE-30
2613	bromazepam	Me silicone
2615	permethrin, cis	CP Sil 5CB
2619	dinitrobenzenesulphonamide, 4-(dipropylamino)-3,5- (oryzalin)	DB-1
2620	testosterone	OV-1/SE-30
2625	biphenyl, 2,2',3,3',4,4'5,5'-octachloro (PCB 194)	CP Sil 5CB
2634	cyclopropanecarboxylic acid, 3-(2,2-dichlorovinyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (permethrin)	SE-30
2637	permethrin, trans	CP Sil 5CB
2639	diamorphine	Me silicone
2641	trifluroperizine	SE-30
2649	phthalic acid, dinonyl ester	OV-1
2654	phosphorothioic acid, O,O-diethyl O-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) ester (coumaphos)	OV-1
2657	cyclopropanecarboxylic acid, 3-(2,2-dichlorovinyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (permethrin)	OV-1
2659	oestradiol	OV-1/SE-30
2661	terephthalic acid, diheptyl ester	OV-101
2665	terephthalic acid, diheptyl ester	SE-30
2675	cinchocaine	SE-30
2676	benzacridine, dimethyl	OV-1
2681	fentanyl	SE-30
2682	phthalic acid, dioctyl ester	OV-101
2685	phthalic acid, dioctyl ester	SE-30
2686	benzoic acid, 3,5-dinitro, undecyl ester	SE-30
2687	phthalic acid, heptyl nonyl ester	SE-30
2690	phthalic acid, dibenzyl ester	OV-1
2694	dichlorobenzyl pentyldecyl ether, 2,4-	CP Sil 5CB
2695	phosphoric acid, tricresyl ester	OV-1
2696	terphenyl, 4-nitro-p-	SE-30
2698	dichlorobenzyl pentyldecyl ether, 2,4-	CP Sil 5CB
2700	heptacosane	Me silicone
2700	sebacic acid, dibutoxyethyl ester	OV-1
2704	dichlorobenzyl pentyldecyl ether, 2,4-	CP Sil 5CB
2705	dichlorobenzyl pentyldecyl ether, 2,4-	CP Sil 5CB
2719	ethinyloestradiol	OV-1/SE-30
2730	isophthalic acid, di(2-ethylhexyl) ester	OV-1
2735	phthalic acid, dicycloheptyl ester	SE-30
2740	nitrazepam	Me silicone
2741	flurazepam	SE-30
2741	quinine	SE-30
2742	chlordiazepoxide	SE-30
2745	adipic acid, diisodecyl ester	OV-1
2745	adipic acid, octyldecyl ester	OV-1
2745	quinidine	SE-30
2750	nitrazepam	OV-1/SE-30
2759	clonazepam	SE-30
2782	sebacic acid, dioctyl ester	OV-1
2788	flurazepam	Me silicone
2791	benzoic acid, 3,5-dinitro, dodecyl ester	SE-30
2792	sebacic acid, di(2-ethylhexyl) ester	OV-1
2793	progesterone	OV-1/SE-30
2800	clonazepam	Me silicone

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
2800	dichlorobenzyl hexadecyl ether, 2,4-	CP Sil 5CB
2800	dichlorobenzyl hexadecyl ether, 2,4-	CP Sil 5CB
2805	dichlorobenzyl hexadecyl ether, 2,4-	CP Sil 5CB
2807	hexachlorophane	OV-1/SE-30
2807	quinidine	Me silicone
2810	oxapine, 8-methoxyl	SE-30
2813	dichlorobenzyl hexadecyl ether, 2,4-	CP Sil 5CB
2814	perylene	OV-1
2815	quinine	Me silicone
2818	papaverine	Me silicone
2832	hydroxyzine	SE-30
2839	anileridine	SE-30
2841	cyclomethycaine	SE-30
2850	phthalic acid, di(butoxyethyl) ester	OV-1
2852	cholestane, 5alpha-	OV-1
2860	phthalic acid, dioctyl ester	OV-101
2862	amine, tri-n-decyl	DB-1
2876	phthalic acid, decyl octyl ester	SE-30
2876	phthalic acid, dinonyl ester	SE-30
2887	haloperidol	SE-30
2900	amoxapine, 7-hydroxy	SE-30
2905	adipic acid, didecyl ester	OV-1
2907	amoxapine, 8-hydroxy	SE-30
2921	prochlorperazine	SE-30
2940	adipic acid, didecyl ester	OV-1
2970	oestriol	OV-1/SE-30
3000	meclizine	SE-30
3008	cholesterol	OV-1
3041	cholesterol	SE-30
3058	strychnine	SE-30
3063	strychnine	Me silicone
3067	phthalic acid, didecyl ester	SE-30
3080	thioridazine	SE-30
3086	cholesterol	OV-1/SE-30
3093	cholesterol	OV-1
3105	sitosterol	OV-1
3115	cholestanol	OV-1
3125	desmosterol	OV-1
3130	cholesterol, 7-dehydro	OV-1
3135	cholest-7-en-3beta-ol	OV-1
3135	cholesterol, 7-dehydro	OV-1
3145	cholestanone	OV-1
3165	cholest-7-en-3-one	OV-1
3193	sitosterol	OV-1/SE-30
3210	campesterol	OV-1
3210	ergostanol	OV-1
3210	lophenone	OV-1
3210	thiethylperazine	SE-30
3215	campesterol	OV-1
3215	campesterol	OV-1
3215	ergost-8(14)-en-3beta-ol	OV-1
3215	lophenol	OV-1
3215	sitostenone	OV-1
3220	cholestenone	OV-1

RETENTION INDEX	COMPOUND NAME	STATIONARY PHASE
3230	cholesta-4,24-dien-3-one	OV-1
3230	ergost-8(14)-en-3-one	OV-1
3234	stigmasterol	OV-1
3240	ergostanone	OV-1
3240	stigmasterol	OV-1
3255	cholesterol, 4,4-dimethyl	OV-1
3255	diosgenin	OV-1
3260	tigogenin	OV-1
3267	buclizine	SE-30
3270	spinasterol, alpha-	OV-1
3280	fucosterol	OV-1
3285	sitosterol	OV-1
3290	sitosterol	OV-1
3290	stigmastanol	OV-1
3290	stigmastanol	OV-1
3295	spinasterone, alpha-	OV-1
3295	tigogenone	OV-1
3300	cholesterol, 24-oxo	OV-1
3300	stigmastanol	OV-1
3308	butaperazine	SE-30
3315	stigmastanone	OV-1
3315	stigmastanone	OV-1
3320	campestenone	OV-1
3320	campestenone	OV-1
3325	campestenone	OV-1
3325	stigmastanone	OV-1
3326	mesoridazine	SE-30
3355	stigmasterone	OV-1
3360	diosgenone	OV-1
3390	fucosterone	OV-1
3395	stigmastanone	OV-1
3405	stigmastanone	OV-1
3425	cholestenone, 24-oxo	OV-1

TABLE 2

SECOND TIER LIBRARY OF LINEAR TEMPERATURE PROGRAMMED RETENTION INDICES FULL VERSION IN ALPHABETICAL ORDER OF COMPOUND NAME

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
acenaphthene									
1357		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1423	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1424	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1522		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
acenaphthylene									
1402	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1412	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1412	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1491		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
acenaphthylene-1-carbonitrile									
1750	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
acenaphthylene-1-carboxaldehyde									
1759	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
acetaldehyde, diethylacetal									
0717		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
acetaldehyde, trichloro									
0699		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetanilide, 2-chloro-2',6'-diethyl-N-methoxymethyl (alachlor)									
1882		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
acetanilide, 2-chloro-N-isopropyl (propachlor)									
1608		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
acetic acid									
0723		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
acetic acid, 1,1-dimethylpropyl ester									
0793	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, 1,2-dimethylpropyl ester									
0811	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, 1-methyl-3-butenyl ester									
0799	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, 1-methylbutyl ester									
0828	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
0828	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, 1-methylpropyl ester									
0737	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, 2,4,5-trichlorophenoxy (2,4,5-T)									
1766	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
acetic acid, 2,4-dichlorophenoxy (2,4-D)									
1766	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
acetic acid, 2,5-dihydroxyphenyl lactone, trimethylsilyl derivative									
1730		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 2,5-dihydroxyphenyl, trimethylsilyl derivative									
1845		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 2,5-dimethoxyphenyl, trimethylsilyl derivative									
1677		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 2-furfuryl ester									
0967		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
acetic acid, 2-hydroxyphenyl, methyl ester									
1264		SE-30		25%w/w on Celite				standard	19
acetic acid, 2-hydroxyphenyl, trimethylsilyl derivative									
1556		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1560		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 2-methylpropyl ester									
0749	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
acetic acid, 2-naphthyl ester									
1585		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, 2-propenyl ester									
0656	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0670		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
acetic acid, 2-propynyl ester									
0672	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, 3,4,5-trimethoxyphenyl, trimethylsilyl derivative									
1812		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative									
1835		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 3,4-dimethoxyphenyl, trimethylsilyl derivative									
1687		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1692		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 3-(5-hydroxyindolyl), trimethylsilyl derivative									
2206		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 3-butenyl ester									
0751	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, 3-hydroxy-4-methoxyphenyl, trimethylsilyl derivative									
1758		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 3-hydroxyphenyl, trimethylsilyl derivative									
1597		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1598		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 3-indolyl, trimethylsilyl derivative									
1865		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1934		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 3-methoxyphenyl, trimethylsilyl derivative									
1501		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 3-methylbutyl ester									
0853		SE-30		25%w/w on Celite				standard	19
0853	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, 4-chloro-2-methylphenoxy (MCPA)									
1672	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2410	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2410	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
acetic acid, 4-hydroxy-3-methoxyphenyl, trimethylsilyl derivative									
1761		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 4-hydroxyphenyl, methyl ester									
1460		SE-30		25%w/w on Celite				standard	19
acetic acid, 4-hydroxyphenyl, trimethylsilyl derivative									
1628		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1629		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetic acid, 4-methoxyphenyl, trimethylsilyl derivative									
1513		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1517		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, 4-pentenyl ester									
0861	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, 4-tert-octyl-2-methylcyclohexyl ester									
1611		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, benzyl ester									
1141		SE-30		25%w/w on Celite				standard	19
acetic acid, bromomethyl ester									
0809		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
acetic acid, butyl ester									
0792		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0793	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0799		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0802		SE-30		25%w/w on Celite				standard	19
acetic acid, butyl ester, 2,4-dichlorophenoxy (2,4-D butyl ester)									
1840		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1841	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1927	HP	Me silicone				25	helium	tap water	44
acetic acid, chloromethyl ester									
0749		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetic acid, cinnamyl ester									
1422		SE-30		25%w/w on Celite				standard	19
acetic acid, cis-3-hexenyl ester									
0969	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, decyl ester									
1395		SE-30		25%w/w on Celite				standard	19
1400	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
acetic acid, dichloromethyl ester									
0833		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetic acid, dimethylethyl ester									
0687	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, dodecyl ester									
1588	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
1595		SE-30		25%w/w on Celite				standard	19
acetic acid, ethyl ester									
0593	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
0594		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0600		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0607	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0611	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0616	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
acetic acid, ethyltrifluoro ester									
0527		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetic acid, heptyl ester									
1096		SE-30		25%w/w on Celite				standard	19
1166	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
acetic acid, hexyl ester									
0990	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0993		SE-30		25%w/w on Celite				standard	19
acetic acid, iso-octyl ester, 2,4-dichlorophenoxy (2,4-D iso-octyl ester)									
2163	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
acetic acid, isobutyl ester									
0748		OV-101	glass		0.27	50		standard	45
0750		OV-101	glass		0.27	50		standard	45
0750		OV-101	glass		0.27	50		standard	45
0766		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
acetic acid, isobutyl ester, 2,4-dichlorophenoxy (2,4-D isobutyl ester)									
1805		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, isopropenyl ester									
0644		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
acetic acid, isopropyl ester									
0650		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
acetic acid, isopropyl ester, 2,4,5-trichlorophenoxy (2,4,5-T isopropyl ester)									
1825		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
acetic acid, isopropyl ester, 2,4-dichlorophenoxy (2,4-D isopropyl ester)									
1700		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, linalyl ester									
1250		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
acetic acid, methyl ester									
0516	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
acetic acid, methyl ester, 2,2-bis(4-chlorophenyl)									
2085		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, methyl ester, 2,4,5-trichlorophenoxy (2,4,5-T methyl ester)									
1740		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, methyl ester, 2,4-dichlorophenoxy (2,4-D methyl ester)									
1588	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1605		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
acetic acid, methylethyl ester									
0639	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
acetic acid, nonyl ester									
1290	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
1296		SE-30		25%w/w on Celite				standard	19
acetic acid, octyl ester									
1200	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
acetic acid, pentyl ester									
0892	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0898		SE-30		25%w/w on Celite				standard	19
acetic acid, phenyl, methyl ester									
1155		SE-30		25%w/w on Celite				standard	19
acetic acid, phenyl, trimethylsilyl derivative									
1264		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1281		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
acetic acid, propyl ester									
0693		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0695	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0704		SE-30		25%w/w on Celite				standard	19
acetic acid, trans-3-hexenyl ester									
0967	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
acetic acid, trichloromethyl ester									
0907		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetic acid, undecyl ester									
1490	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
acetic acid, vinyl ester									
0548		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
0564		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
acetone, 1,1,1-trichloro									
0815	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0815	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0815	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
acetone, 1,1-dichloro									
0705	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0707	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0708	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0713	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0794	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0794	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
acetonitrile									
0464		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
acetonitrile, bromochloro									
0758	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0765	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0768	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0769	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
acetonitrile, chloro									
0662		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
acetonitrile, dibromo									
0857	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0860	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0861	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0867	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
acetonitrile, dichloro									
0692	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0693	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0693	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0695	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
acetonitrile, trichloro									
0668		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
aceturic acid, 4-methoxyphenyl, trimethylsilyl derivative									
2082		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
acetylcodeine									
2530	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
acridine									
1789	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
acrylonitrile									
0500		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0876	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	air	6
adamantane, 1-chloro									
0977	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1286		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
adamantane, 2-chloro									
1332		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
adipic acid, di(2-ethylhexyl) ester									
2381		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, di(ethoxyethyl) ester									
1880		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1924		OV-1/SE-30	glass					standard	4
adipic acid, dibutyl ester									
1660		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1695		OV-1/SE-30	glass					standard	4
adipic acid, dicyclohexyl ester									
2282		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, didecyl ester									
2905		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2940		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, diethyl ester									
1344		OV-1/SE-30	glass					standard	4
adipic acid, diisobutyl ester									
1660		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, diisodecyl ester									
2745		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, diisooctyl ester									
2444		OV-1/SE-30	glass					standard	4

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
adipic acid, dimethyl ester									
1213		SE-30		25%w/w on Celite				standard	19
1223		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, dinonyl ester									
2484		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, dioctyl ester									
2350	HP	Me silicone				25	helium	tap water	44
2383		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2540		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, diphenyl ester									
2397		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, dipropyl ester									
1545		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
adipic acid, octyldecyl ester									
2745		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
alanine, N-acetyl-4-methoxyphenyl, trimethylsilyl derivative									
2009		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
alanine, N-acetylphenyl, trimethylsilyl derivative									
1788		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
allobarbitone									
1609	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
alphaprodine									
1777	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amantidine									
1211	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amine, 1,1-dimethylethyl									
0501		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, 1-methylpropyl (butane, 2-amino)									
0471		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, 2-methylethyl									
0469		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, 3-methylbutyl									
0615		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, allyl (propene, 3-amino)									
0463		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, butyl (butane, 1-amino)									
0552		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, di-n-butyl									
0943		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, di-n-propyl									
0694		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, diallyl									
0660		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, diethyl									
0527		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, methylbutyl									
0630		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, methylhexyl									
0871		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, methylpentyl									
0706		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, pentyl (pentane, 1-amino)									
0635		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
amine, propyl (propane, 1-amino)									
0466		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
amine, tri-n-amyl									
1420		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-butyl									
1192		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-decyl									
2862		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-heptyl									
1973		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-hexyl									
1740		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-octyl									
2297		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
amine, tri-n-propyl									
0937		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
aminoparathion									
1885		OV-1/SE-30	glass					standard	4
amitripyline									
2162	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amobarbitone									
1727	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
amoxapine									
2575	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amoxapine, 7-hydroxy									
2900	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amoxapine, 8-hydroxy									
2907	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
amphetamine									
1111	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
androsterone									
2488		OV-1/SE-30	glass					standard	4
anethole									
1284		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
anileridine									
2839	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
aniline, 2,3-dichloro									
1306	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2,4-dichloro									
1287	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2,5-dichloro									
1288	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2,6-dichloro									
1204	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2,6-dichloro-4-nitro (botran, dicloran)									
1716		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
aniline, 2,6-dimethyl									
1130	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2-chloro									
1094	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 2-chloro-4-methyl									
1195	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1253	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
aniline, 3,4-dichloro									
1377	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1387		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
aniline, 3,5-dichloro									
1352	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 3-chloro									
1158	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 4-chloro									
1161	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 4-chloro-2-nitro									
1538	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
aniline, 4-methylsuphonyl-2,6-dinitro-N,N-dipropyl (planavin)									
2366		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
aniline, N,N-dimethyl									
1061		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1062		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1062		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1064		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
aniline, N-butyl-N-ethyl-2,6-dinitro-4-trifluoromethyl (benefin)									
1672		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
aniline, N-phenyl									
1575	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
anisole									
0916		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
anisole, 2,3,4,5-tetrachloro									
1620	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1644	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1660	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3,4,6-tetrachloro									
1500	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1520	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1530	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3,4-trichloro									
1465	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1469	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1484	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1494	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3,5,6-tetrachloro									
1494	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1497	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1516	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1529	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3,5-trichloro									
1418	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1433	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1440	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3,6-trichloro									
1341	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1344	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1350		OV-101	quartz glass		0.30	50	helium	tap water	43
1359	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1370	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,3-dichloro									
1287	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1299	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1306	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
anisole, 2,4,5-trichloro									
1415	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1429	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1436	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1494	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
anisole, 2,4,6-trichloro									
1302	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1305	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1319	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1327	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,4-dichloro									
1253	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1263	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1269	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,5-dichloro									
1244	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1254	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1260	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2,6-dichloro									
1174	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1185	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1190		OV-101	quartz glass		0.30	50	helium	tap water	43
1192	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 2-chloro									
1093	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1099	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1102	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 3,4,5-trichloro									
1431	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1448	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1457	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 3,4-dichloro									
1259	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1271	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1281	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 3,5-dichloro									
1222	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1232	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1238	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 3-chloro									
1072	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1081	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1084	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, 4-chloro									
1082	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1090	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1093	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
anisole, butylated hydroxy isomer									
1462		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
anisole, pentachloro									
1689	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1690	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1724	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50
1741	SGE	SE-30	soda glass	wall-coated open tubular	0.30	25	nitrogen	standard	50

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
anthracene									
1711		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1713	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1713	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1713		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1747	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1750		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1752	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1758		OV-1	glass	wall-coated open tubular	0.30	25	helium	standard	9
1758		OV-1	glass	wall-coated open tubular	0.30	24	helium	standard	9
1766		OV-1	glass	wall-coated open tubular	0.30	30	helium	standard	9
anthracene, 1,2,3,4,5,6,7,8-octahydro									
1668		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
anthracene, 2-methyl									
1877	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthracene, 9,10-dicarbonitrile									
2288		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
anthracene, 9,10-dihydro									
1622		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1662		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
anthracene, 9,10-dimethyl									
2097	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthracene, 9-methyl									
1929	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
2372	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthracene, 9-nitro									
2165	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthracene, hydroxy									
1829	HP	Me silicone				25	helium	tap water	44
1856	HP	Me silicone				25	helium	tap water	44
anthracene-9-carbonitrile									
2107	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthracene-9-carboxaldehyde									
2183	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthranilic acid, methyl ester									
1325		SE-30		25%w/w on Celite				standard	19
1343		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
anthranilic acid, phenylethyl ester									
2088		SE-30		25%w/w on Celite				standard	19
anthraquinone									
1937	HP	Me silicone				25	helium	tap water	44
1976	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
anthrone									
1945	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
atropine									
2147	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2269	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
azeleic acid, dimethyl ester									
1519		SE-30		25%w/w on Celite				standard	19
azobenzene									
1556		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
azulene									
1296		OV-1	glass	wall-coated open tubular	0.23	50		standard	33

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
azulene, 1-methyl									
1401		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
azulene, 4,6,8-trimethyl									
1638		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
azulene, 5-methyl									
1400		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
azulene, 6-methyl									
1410		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
barbituric acid, 5-ethyl-5-(4-methylphenyl)									
2085		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benactyzine									
2235	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
benzacenaphthylene									
2055	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzacridine, dimethyl									
2676	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzaldehyde									
0929	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0929	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0947		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0950	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0961		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzaldehyde, 4-dimethylamino									
1528		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzaldehyde, 4-hydroxy-3-methoxy									
1447		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
benzaldehyde, 4-methoxy (anisaldehyde)									
1236		OV-101	glass		0.27	50		standard	45
1238		OV-101	glass		0.27	50		standard	45
1240		OV-101	glass		0.27	50		standard	45
benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl) (pronamide, Kerb)									
1760		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
benzamide, N,N-diethyl methyl isomer									
1571		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzene									
0642	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0643	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0645		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0646		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0646		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0646		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0649		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0650	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0653	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0654	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0655	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0655		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0658	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0659		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0664		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0667	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0669	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0673	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
benzene dicarbonitrile, 2,4,5,6-tetrachloro-1,3- (chlorothalonil, Bravo)									
1787		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, 1,1-diethylpropyl									
1275	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,1-dimethylpropyl									
1148	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1148	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1148	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1,2,3,4-tetramethyl									
1125		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1126		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1133	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1137	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1137	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1137	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
benzene, 1,2,3,5-tetramethyl									
1098		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1103	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1106	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1106	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1106	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1456		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,2,3-trichloro									
1188	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1188	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1189	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
benzene, 1,2,3-trimethyl									
1004	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1005	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1005	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1005		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1005	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1009		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1011		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,2,4,5-tetrachloro									
1301	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 1,2,4,5-tetramethyl									
1095		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1103	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1103	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1103	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
benzene, 1,2,4-trichloro									
1150	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1154	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1154	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1154	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1186		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, 1,2,4-trichloro-5-[(4-chlorophenyl)sulphonyl] (tedion)									
2462		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
benzene, 1,2,4-triethyl									
1223	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,2,4-trimethyl									
0975		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0977	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0977	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0977	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, 1,2,4-trimethyl (cont)									
0977	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0984		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0985		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,2-dibromo									
1216	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1221		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzene, 1,2-dichloro									
1007	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1009	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1009	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1009	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1030	HP	Me silicone				25	helium	tap water	44
1031		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,2-diethyl									
1043		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1047		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1052		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,2-dimethyl, (o-xylene)									
0871	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0871	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0871	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0874		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0874	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0875		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0875		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0876		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0879		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0879	HP	Me silicone				25	helium	tap water	44
0880		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0885		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1,2-dimethyl-3-ethyl									
1082		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1087	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1090	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1090	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1431		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,2-dimethyl-3-vinyl									
1097		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,2-dimethyl-4-ethyl									
1066		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1068	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1070	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1070	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1070	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1,2-dimethyl-4-vinyl									
1100		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,2-dimethylpropyl									
1069	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,2-divinyl									
1102		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1,3,5-trichloro									
1113	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1113	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1113	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

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benzene, 1,3,5-triethyl									
1158		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1206	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,3,5-triisopropyl									
1495		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,3,5-trimethyl									
0952		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0952	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0952	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0952	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0953		OV-1	glass	wall-coated open tubular	0.30	25	helium	standard	9
0953		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0953		OV-1	glass	wall-coated open tubular	0.30	24	helium	standard	9
0953	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0954		OV-1	glass	wall-coated open tubular	0.30	30	helium	standard	9
0959		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0960		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1,3-dibromo									
1190	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1197		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzene, 1,3-dichloro									
0981	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0982	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0982	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0982	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1017		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,3-diethyl									
1032		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1033	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1034	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1034	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1036		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1038		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,3-diethyl-5-methyl									
1130	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1130	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1130	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
benzene, 1,3-diisopropyl									
1135		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1139	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,3-dimethyl, (m-xylene)									
0849	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0849	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0849	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0852	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0854		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0858	HP	Me silicone				25	helium	tap water	44
0858		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0864		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1,3-dimethyl-2-ethyl									
1070		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1076	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1076	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1076	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3

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benzene, 1,3-dimethyl-4-ethyl									
1061		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1062	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1064	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1064	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1064	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1,3-dimethyl-5-ethyl									
1043		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1043	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1044	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1044	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1,3-dimethyl-5-vinyl									
1073		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1,3-divinyl									
1085		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1086		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1092		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1,4-dibromo									
1193		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzene, 1,4-dichloro									
0913		SE-30		25%w/w on Celite				standard	19
0985	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0988	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0988	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0988	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0995		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1007	HP	Me silicone				25	helium	tap water	44
benzene, 1,4-diethyl									
1037		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1039	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1041	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1041	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1041	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1042		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1043		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1,4-diisopropyl									
1152		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1158	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,4-dimethyl, (p-xylene)									
0850	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0850	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0850	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0853	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0854		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0858	HP	Me silicone				25	helium	tap water	44
0858		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0864		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0864		OV-101	glass		0.27	50		standard	45
0864		OV-101	glass		0.27	50		standard	45
0865		OV-101	glass		0.27	50		standard	45
0868		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, 1,4-dimethyl-2-ethyl									
1061		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1061	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2

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benzene, 1,4-dimethyl-2-ethyl (cont)									
1063	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1063	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1073	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1,4-divinyl									
1096		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-allyl-2-methyl									
1041		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-allyl-3-methyl									
1028		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1029		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-allyl-4-methyl									
1033		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1033		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-chloro-2,4-dinitro									
1490	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 1-chloro-2-nitro									
1199	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 1-chloro-3-nitro									
1185	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 1-chloro-4-nitro									
1193	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 1-ethyl-2,3,5-trimethyl									
1195	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1195	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1195	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1-ethyl-2,4-dimethyl									
1070		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1-ethyl-2,5-dimethyl									
1066		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1-ethyl-2-methyl									
0961	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0961	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0961	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0961	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0963		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0965		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0968		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-ethyl-2-vinyl									
1086		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1091		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-ethyl-3-isopropyl									
1089	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-ethyl-3-methyl									
0945	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0946	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0946	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0946	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0948		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0949		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0952		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-ethyl-3-vinyl									
1064		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1064		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1066		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

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benzene, 1-ethyl-4-methyl									
0944	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0944	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0944	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0948		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0952		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0954		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-ethyl-4-vinyl									
1072		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1072		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1073		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-ethylpropyl									
1071	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-isopropyl-3-vinyl									
1117		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-isopropyl-4-vinyl									
1006	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
1137		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-methyl-2-bromo									
1037	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-2-iodo									
1149		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
1150	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-2-isopropyl									
1017		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-methyl-2-propyl									
1046		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1050	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-methyl-2-vinyl									
0982		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0991		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-methyl-3-bromo									
1033	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-3-iodo									
1148	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-3-isopropyl									
1002		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1006	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-methyl-3-propyl									
1032		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1035	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-methyl-3-vinyl									
0973		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0982		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-methyl-4-bromo									
1042	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-4-iodo									
1182	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 1-methyl-4-isopropyl									
1003		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1014		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
benzene, 1-methyl-4-propyl									
1035		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1039	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, 1-methyl-4-vinyl									
0978		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0978		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0985		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, 1-methylbutyl									
1082		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1086	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-methylpropyl									
0993		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0995	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0996	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0996	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0996	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 1-t-butyl-2-methyl									
1115	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-t-butyl-3,4,5-trimethyl									
1307	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-t-butyl-3,5-dimethyl									
1152		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1163	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1431		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, 1-t-butyl-3-methyl									
1067		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1071	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-t-butyl-4-ethyl									
1166	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 1-t-butyl-4-methyl									
1072		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1076	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 2,3-dichloronitro									
1344	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 2,4-dichloronitro									
1322	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 2,5-dichloronitro									
1315	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 2-diiodo									
1445	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 2-methylbutyl									
1102	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 2-methylpentyl									
1191	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, 3,4-dichloronitro									
1339	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 3,5-dichloronitro									
1288	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, 3-amino-1,2-dimethyl									
1178		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzene, 3-diiodo									
1431	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, 3-ethyl-1,2,4-trimethyl									
1185	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1185	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1185	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, 3-methylbutyl									
1107	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1109	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1109	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, 4-diiodo									
1412	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, allyl									
0929		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0934		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
benzene, bromo									
0930	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, butyl									
1037		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1040	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1041	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1041		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1041	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
benzene, chloro									
0820	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0820	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0820	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0827	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0828		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0839	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0844		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, ethyl									
0830	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0840	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0840	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0843	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0846	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0848	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0849		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0850		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0854		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0859		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, fluoro									
0664	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, hexachloro (HCB)									
1202	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1662	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1680	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, hexaethyl									
1682	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, hexamethyl									
1431	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, iodo									
1033	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
benzene, isobutyl									
0992	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0992	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0992	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0992	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0993		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, isopropyl, (cumene)									
0906	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0906	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0906	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0909	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0910		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0913	HP	Me silicone				25	helium	tap water	44
0913		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0915		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0921		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, methyl, (toluene)									
0734	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0739	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0742	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0745	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0748	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0748	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0748	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0751		OV-1	glass	wall-coated open tubular	0.30	30	helium	standard	9
0752		OV-1	glass	wall-coated open tubular	0.30	25	helium	standard	9
0752		OV-1	glass	wall-coated open tubular	0.30	24	helium	standard	9
0753		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
0753		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0757	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0758		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0761		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0764	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0767		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, n-butyl, sulphonamide									
1721	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, n-decyl									
1659	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, n-heptyl									
1348	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, n-hexyl									
1244	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, n-nonyl									
1555	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, n-octyl									
1451	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, neopentyl									
1048	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzene, nitro									
1046	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzene, pentachloro									
1504	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1504	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1504	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
benzene, pentachloronitro (PCNB)									
1719		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
benzene, pentamethyl									
1261	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1266	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1266	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1266	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzene, pentyl									
1135		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1141	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1145	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1145	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1145	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1433		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
benzene, propyl									
0936	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0936	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0936	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0937	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0938		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0941		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0944		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0950		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0956	HP	Me silicone				25	helium	tap water	44
benzene, t-butyl									
0975		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0975	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1008		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzene, t-pentyl									
1070		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1076	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
benzidine									
1683	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1683	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2042	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzo(a)anthracene									
2405	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzo(a)fluorene									
2177	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzo(b)fluorene									
2195	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzo(b)naphtho(2,1-d)-thiophene									
1726	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzo(ghi)fluoranthene									
2345	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
benzocaine									
1513	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
benzodiazepin-2-one, 7-chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-2H-1,4- (prazepam)									
2610		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2612		OV-1/SE-30	glass					standard	4
benzodiazopine-2,4-(2H,5H)-dione, 1-methyl-5-phenyl-7-trifluoromethyl-1H-1,5- (triflubazam)									
2244		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan I)									
2085		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2086	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzodioxathiepin 3-oxide, 6,7,8,9,10,10-hexachloro1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3- (endosulfan II)									
2175		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2183	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
benzoic acid, 1,2-dimethylpropyl ester									
1356	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzoic acid, 1-methyl-3-butenyl ester									
1361	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 1-methylbutyl ester									
1370	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 1-methylpropyl ester									
1285	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 2,2,2-trichloroethyl ester									
1523	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 2,2-dichloroethyl ester									
1453	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 2,3-dihydroxy, trimethylsilyl derivative									
1749		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 2,4-dihydroxy, trimethylsilyl derivative									
1823		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 2,5-dihydroxy, trimethylsilyl derivative									
1785		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 2,6-dihydroxy, trimethylsilyl derivative									
1768		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 2-chloroethyl ester									
1366	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 2-hydroxy, trimethylsilyl derivative									
1501		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 2-propenyl ester									
1243	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 2-propynyl ester									
1252	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,4-dihydroxy, trimethylsilyl derivative									
1835		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 3,4-dimethoxy, trimethylsilyl derivative									
1684		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 3,5-dihydroxy, trimethylsilyl derivative									
1828		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 3,5-dinitro, 1,2-dimethylpropyl ester									
1953	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 1-methyl-3-butenyl ester									
1962	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 1-methylbutyl ester									
1971	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 1-methylpropyl ester									
1883	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2,2,2-trichloroethyl ester									
2149	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2,2-dichloroethyl ester									
2104	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2-chloroethyl ester									
2014	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2-methylbutyl ester									
2015	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2-methylpropyl ester									
1903	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2-propenyl ester									
1842	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 2-propynyl ester									
1857	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1958	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzoic acid, 3,5-dinitro, 3-butenyl ester									
1938	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, 4-pentenyl ester									
2054	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, butyl ester									
1957	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, cis-3-hexenyl ester									
2158	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, decyl ester									
2581	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, dodecyl ester									
2791	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, ethyl ester									
1755	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, heptyl ester									
2266	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, hexyl ester									
2162	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, methyl ester									
1690	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, methylethyl ester									
1785	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, nonyl ester									
2476	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, octyl ester									
2370	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, pentyl ester									
2058	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, propyl ester									
1761	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1853	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3,5-dinitro, trans-3-butenyl ester									
1970	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, trans-3-hexenyl ester									
2156	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3,5-dinitro, undecyl ester									
2686	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 3-butenyl ester									
1334	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 3-hydroxy, trimethylsilyl derivative									
1557		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1560		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
benzoic acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative									
1760		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 4-hydroxy, trimethylsilyl derivative									
1620		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1621		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
benzoic acid, 4-hydroxy-3,5-dimethoxy, trimethylsilyl derivative									
1889		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 4-hydroxy-3-ethoxy, trimethylsilyl derivative									
1804		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative									
1753		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzoic acid, 4-methoxy, trimethylsilyl derivative									
1495		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
benzoic acid, 4-nitro, 1,2-dimethylpropyl ester									
1708	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 1-methyl-3-butenyl ester									
1708	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 1-methylbutyl ester									
1724	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 1-methylpropyl ester									
1628	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2,2,2-trichloroethyl ester									
1891	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2,2-dichloroethyl ester									
1826	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2-chloroethyl ester									
1736	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2-methylpropyl ester									
1649	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2-propenyl ester									
1577	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 2-propynyl ester									
1586	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 3-butenyl ester									
1678	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 3-methylbutyl ester									
1764	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, 4-pentenyl ester									
1791	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, butyl ester									
1697	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, cis-3-hexenyl ester									
1905	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, decyl ester									
2333	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, dodecyl ester									
2550	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, ethyl ester									
1497	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, heptyl ester									
2016	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, hexyl ester									
1911	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, methyl ester									
1423	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, methylethyl ester									
1528	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, nonyl ester									
2227	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, octyl ester									
2121	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, pentyl ester									
1803	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-nitro, propyl ester									
1491	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1594	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzoic acid, 4-nitro, trans-3-butenyl ester									
1709	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, trans-3-hexenyl ester									
1904	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, 4-nitro, undecyl ester									
2443	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, 4-pentenyl ester									
1444	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, benzyl ester									
1738		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzoic acid, butyl ester									
1353	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
1360		SE-30		25%w/w on Celite				standard	19
benzoic acid, cis-3-hexenyl ester									
1552	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, decyl ester									
1965	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, dodecyl ester									
2173	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, ethyl ester									
1145	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
1149	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1153		OV-101	glass		0.27	50		standard	45
1155		OV-101	glass		0.27	50		standard	45
1156		OV-101	glass		0.27	50		standard	45
1227		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1349		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzoic acid, heptyl ester									
1651	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, hexyl ester									
1551	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
1565		SE-30		25%w/w on Celite				standard	19
benzoic acid, isobutyl ester									
1306	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1318		SE-30		25%w/w on Celite				standard	19
benzoic acid, isopentyl ester									
1413	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
1425		SE-30		25%w/w on Celite				standard	19
benzoic acid, methyl ester									
1071	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
1080		SE-30		25%w/w on Celite				standard	19
1095		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
benzoic acid, methyl ester, 4-hydroxy									
1419		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1435		SE-30		25%w/w on Celite				standard	19
1500		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
benzoic acid, methylethyl ester									
1193	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, nonyl ester									
1860	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, octyl ester									
1757	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, pentyl ester									
1455	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
benzoic acid, propyl ester									
1249	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzoic acid, propyl ester, 4-hydroxy									
1567		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzoic acid, trans-2-butenyl ester									
1364	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, trans-3-hexenyl ester									
1541	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	52
benzoic acid, trimethylsilyl derivative									
1226		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1233		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
benzoic acid, undecyl ester									
2068	SGE	SE-30	soda glass	wall-coated open tubular	0.33	25	nitrogen	standard	51
benzonitrile									
0895	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0895	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0976	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0983	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
benzonitrile, 2,6-dichloro (dichlobenil)									
1290	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1307		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
benzonitrile, 3,5-dibromo-4-octanoloxy ester (bromoxynil octanoate)									
2316	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
benzophenone									
1610		OV-1/SE-30	glass					standard	4
1611		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzophenone, 2-amino-2'-chloro-5-nitro (clonazepam benzophenone)									
2494	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 2-amino-5,2'-dichloro (lorazepam benzophenone)									
2191	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 2-amino-5-chloro									
1989	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1995	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2039		OV-1/SE-30	glass					standard	4
2067	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 2-amino-5-chloro-2'-fluoro (flurazepam benzophenone)									
2517	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
2542	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 2-amino-5-nitro (nitrazepam benzophenone)									
2390	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 2-methylamino-5-chloro									
2107		OV-1/SE-30	glass					standard	4
2115	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
benzophenone, 4-methoxy									
1874		OV-1/SE-30	glass					standard	4
benzoquinone, 1,4-									
0919		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 2,5-di(1,1-dimethylpropyl)-1,4-									
1640	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1640	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1640	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
benzoquinone, 2,6-di(methoxymethyl)-1,4-									
1447	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1447	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1447	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5

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benzoquinone, 2,6-di-t-butyl-1,4-									
1480		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 2,6-dimethoxy-1,4-									
1522		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 2,6-dimethyl-1,4-									
1125		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 2-methoxy-1,4-									
1234		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 2-methyl-1,4-									
1018		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzoquinone, 3-methoxy-6-hydroxymethyl-1,4-									
1562		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
benzothiazole									
1178	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
1187	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
benzothiazole, 2-mercapto									
1936		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzphetamine									
1806	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
benztropine									
2287	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
benzyl alcohol									
1017		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
1035		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
1046		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
benzyl cyanide									
1094	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1094	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
bicyclo[4.3.0]nona-3,6(1)-diene									
1038		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
bicyclohexyl									
1313		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
bicyclohexyl, 4-phenyl									
1971	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
bicyclopentadiene									
1014		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
binaphthyl, 1,1'-									
2306	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
biphenyl									
1342	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1343	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1348	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1348	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1349	HP	Me silicone				25	helium	tap water	44
1350	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1355	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1355	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1357	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1359		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1365		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1374	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
1389		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

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biphenyl, 2,2',3',4,5-pentachloro (PCB 97)									
2088	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,3',4,4',5,6-octachloro (PCB 195)									
2573	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,3',4,4',5-heptachloro (PCB 170)									
2471	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,3',4,4'-hexachloro (PCB 128)									
2322	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,3',4,4'5,5'-octachloro (PCB 194)									
2625	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,3',5,5',6,6'-octachloro (PCB 202)									
2381	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4',5',6-hexachloro (PCB 149)									
2170	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4,4',5'-hexachloro (PCB 138)									
2273	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4,4',5,5'-heptachloro (PCB 180)									
2423	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4,4',5-hexachloro (PCB 137)									
2257	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4,5'-pentachloro (PCB 87)									
2088	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,4,5,5'-hexachloro (PCB 141)									
2244	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,5',6-pentachloro (PCB 95)									
2003	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,5'-tetrachloro (PCB 44)									
1919	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',3,5,5',6-hexachloro (PCB 151)									
2147	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',4,4',5,5'-hexachloro (PCB 153)									
2222	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',4,5'-tetrachloro (PCB 49)									
1895	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',5,5'-tetrachloro (PCB 52)									
1886	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2',5,6'-tetrachloro (PCB 53)									
1839	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2'3,3',4',5,5',6-octachloro (PCB 201)									
2502	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2'4,5,5'-pentachloro (PCB 101)									
2053	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,2-dinitro									
2055	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
biphenyl, 2,3',4',5-tetrachloro (PCB 70)									
1988	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,4',5-trichloro (PCB 31)									
1818	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2,4,4'-trichloro (PCB 28)									
1818	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
biphenyl, 2-nitro									
1651	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1669	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
biphenyl, 3-nitro									
1786	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1808	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
biphenyl, 4-nitro									
1815	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1834	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
biphenyl, methyl									
1465	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
bipyridyl dihydrate, 4,4-									
1507		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
borneol, 2-methyliso									
1164	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1183		OV-101	quartz glass		0.30	50	helium	tap water	43
bromazepam									
2613	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
bromoacetic acid, 1,1-dimethylpropyl ester									
1065	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, 1,2-dimethylpropyl ester									
1077	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, 1-methyl-3-butenyl ester									
1076	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, 1-methylbutyl ester									
1094	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, 2-methylpropyl ester									
1021	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, 2-propenyl ester									
0943	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, 2-propynyl ester									
0958	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, 3-butenyl ester									
1040	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, 3-methylbutyl ester									
1125	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, 4-pentenyl ester									
1146	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, cis-3-hexenyl ester									
1255	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromoacetic acid, dimethylethyl ester									
0949	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, methylethyl ester									
0906	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
bromoacetic acid, trans-3-hexenyl ester									
1251	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
bromodiphenhydramine									
2125	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
brompheniramine									
2067	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
buclizine									
3267	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
bupivacaine									
2251	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
but-2-enoic acid, 2-sec-butyl-4,6-dinitrophenyl 3-methyl ester (morocide)									
2188		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
butacaine									
2422	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

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butadiene, 2,3-dimethyl-1,3-									
0616		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butadiene, 2-methyl-1,3- (isoprene)									
0507		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butadiene, hexachloro									
1202	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1206	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1222		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
1285		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butan-2-one, 3,3-dimethyl									
0698		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butan-2-one, 4-phenyl									
1230		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butanal									
0574		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butanal, 3-methyl									
0645		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butane, 1,2-dibromo									
0945		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1,2-dichloro									
0785		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1,3-dibromo									
0973		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1,3-dichloro									
0809		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1,4-diamino (putrescine)									
0930		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butane, 1,4-dibromo									
1011	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
1053		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1,4-dichloro									
0819		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1-bromo									
0718		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1-chloro									
0635	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0635	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0637		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1-chloro-3-methyl									
0706		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 1-iodo									
0797	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0802		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0814		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butane, 1-iodo-3-methyl									
0868		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2,2,3-trimethyl									
0628	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0638	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
butane, 2,2-dichloro									
0722		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2,2-dimethyl									
0536	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0537	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0540	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37

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butane, 2,3-dibromo-2,3-dimethyl									
1054		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2,3-dichloro									
0746		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2,3-dimethyl									
0558	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0563	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0567	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0567	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
butane, 2-bromo									
0673		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2-bromo-2-methyl									
0734		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2-chloro									
0701		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2-chloro-2-methyl									
0655		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2-iodo-2-methyl									
0829		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, 2-methyl									
0465	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
butane, 2-methyl-2,3-dicarboxamide (trimethyl succinamide)									
1195		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butane, 2-nitro-1,1-bis(4-chlorophenyl (bulan)									
2310		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butane, meso-1,2,3,4-tetrabromo									
1549		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, meso-2,2-dichloro									
0915		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butane, rac-2,3-dichloro									
0903		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butanedione, 2,3-									
0619		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butanoic acid, (butyric acid)									
0834		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butanoic acid, 2-propenyl ester									
0853		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butanoic acid, 3-methyl, 2-propenyl ester									
0915		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butanoic acid, benzyl ester									
1325		SE-30		25%w/w on Celite				standard	19
butanoic acid, methyl ester									
0900		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butanoic acid, vinyl ester									
0750		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butanol, 1-									
0637		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0646	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0661	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
butanol, 2-									
0586		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0594	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
butanol, 2-methyl-2-									
0625	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12

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butanol, 3-methyl-1-									
0716	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
0725		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0725		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butanol, 3-methyl-2-									
0663	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
butanone									
0579		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butanone, 1-hydroxy-2- (acetol)									
0652		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butanone, 3-hydroxy-2- (acetoin)									
0693		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butanone, 3-methyl-2-									
0646		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
butaperazine									
3308	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
buten-1-ol, 3-									
0609	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
butene, 1-bromo-3-methyl									
0837		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, 1-phenyl-1-									
1098		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
butene, 1-phenyl-2-									
1052		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butene, 2-phenyl-1-									
1058		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
butene, 2-phenyl-2-									
1091		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
butene, 3,4-dichloro-1-									
0769		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, 3-bromo-1-									
0655		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, 3-chloro-1-									
0576		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, 4-bromo-1-									
0695		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, 4-phenyl-2-									
1028		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butene, cis-1,3-dichloro-2-									
0812		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, cis-1,4-dichloro-2-									
0874		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, cis-2-chloro-2-									
0595		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, trans-1,3-dichloro-2-									
0829		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, trans-1,4-dichloro-2-									
0895		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, trans-1-bromo-2-									
0734		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, trans-1-chloro-2-									
0622		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
butene, trans-1-phenyl-1-									
1105		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

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butenedioc acid, disextyl ester, cis- (disextyl maleate)									
2116		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butenoic acid, 2-, 3-methylbutyl ester									
1082		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, 3-methylpropyl ester									
0983		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, butyl ester (butyl crotonate)									
1021		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, ethyl ester (ethyl crotonate)									
0820		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, isopropyl ester (isopropyl crotonate)									
0863		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, pentyl ester (pentyl crotonate)									
1119		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 2-, propyl ester (propyl crotonate)									
0917		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
butenoic acid, 3-[(dimethoxyphosphinyl)oxy]-2- (mevinphos)									
1394	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1450		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
butenoic acid, 4-methyl-2-, gamma-lactone									
0914		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
butyne, 1-phenyl-1-									
1118		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butyne, 4-phenyl-1-									
1053		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
butyric acid, 2-hydroxy, methyl ester									
1118		SE-30		25%w/w on Celite				standard	19
butyric acid, 2-methyl, methyl ester									
0758		SE-30		25%w/w on Celite				standard	19
butyric acid, 4-(4-chloro-2-methylphenoxy) (MCPB)									
1820	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
butyric acid, beta-hydroxy, methyl ester									
1320		SE-30		25%w/w on Celite				standard	19
butyric acid, ethyl ester									
0781		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0787		SE-30		25%w/w on Celite				standard	19
butyric acid, hexyl ester									
1177		SE-30		25%w/w on Celite				standard	19
butyronitrile									
0642		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cadaverine									
0974	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
caffeine									
1749	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
1776	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1777	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1810		OV-1/SE-30	glass					standard	4
1840	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
campestenone									
3320		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3320		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3325		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
campesterol									
3210		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3215		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3215		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
camphor									
1137		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
carbamic acid, 1-(methylthio)ethylideneamino methyl ester (methomyl)									
1059	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
carbamic acid, 1-naphthyl methyl ester (sevin)									
1871		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl methyl ester (carbofuran)									
1294	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
carbamic acid, 2,3-dihydro-2,2-dimethylbenzofuran-7-yl methyl (furadan 3 keto)									
1780		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 2,3-dihydro-2,2-dimethylbenzofuran-7-yl methyl ester (furadan)									
1702		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 2-chloroallyl diethyldithio ester (vegadex, sulfallate)									
1704		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 2-chloroallyldiethyldithio (CDEC)									
1685		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
carbamic acid, 2-dimethylamino -5,6-dimethylpyrimidin-4-yl dimethyl ester (pirimicarb)									
1816		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1816	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
carbamic acid, 2-isopropoxyphenyl methyl ester (baygon, propoxur)									
1598		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 2-methyl-2(-methylthio)propylidene amino ester (aldicarb)									
0866	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
carbamic acid, 3,5-dimethyl-4-methylthiophenyl methyl ester (methiocarb)									
1530	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
carbamic acid, 4-(dimethylamino)-3-methylphenyl methyl ester (matacil)									
1743		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 4-chlorobut-2-ynyl 3-chlorophenyl ester (barban)									
1102	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2119		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, 4-methylthio-3,5-xylyl methyl ester (mesurol)									
1915		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, N,N-hexamethylene, s-ethyl ester (molinate)									
1539		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, butyl(ethyl)thio, s-propyl ester (tillam)									
1446		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, diisobutylthio-, s-ethyl ester (sutan)									
1411		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, dipropylthio, s-ethyl ester (eptam, EPTC)									
1337		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, dipropylthio-, s-propyl ester (vernam, vernolate)									
1418		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, s-4-chlorobenzyl diethylthio ester (benthiocarb)									
1938		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbamic acid, s-ethyl-N-cyclohexyl-N-ethylthio ester (roneet, cycloate)									
1638		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbanilic acid, m-chloro, isopropyl ester (chlorpropham)									
1626	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1629		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
carbaryl									
1490		OV-1/SE-30	glass					standard	4
1494	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
carbazole									
1784		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1806	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1807	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1828	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1836	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
carbetapentane									
2230	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
carbinoxamine									
2047	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
carboxylic acid, 3-indolyl, trimethylsilyl derivative									
1995		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
caryophyllene, beta-									
1442		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
cedrenyl acetate									
1752	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
chlordane, alpha-									
2050	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
chlordane, gamma-									
2018	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
chlordiazepoxide									
2742	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
chloroacetic acid, 1,1-dimethylpropyl ester									
0995	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 1,2-dimethylpropyl ester									
1012	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 1-methyl-3-butenyl ester									
1004	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, 1-methylbutyl ester									
1031	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 1-methylpropyl ester									
0941	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 2-methylpropyl ester									
0956	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 2-propenyl ester									
0870	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, 2-propynyl ester									
0885	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, 3-butenyl ester									
0969	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, 3-methylbutyl ester									
1061	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, 4-pentenyl ester									
1072	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, cis-3-hexenyl ester									
1182	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chloroacetic acid, dimethylethyl ester									
0891	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, methylethyl ester									
0845	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
chloroacetic acid, trans-3-hexenyl ester									
1177	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
chlorodane, oxy									
1982	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
chlorodene, alpha-									
1854	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
chlorodene, gamma-									
1902	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
chloroformic acid, methyl ester									
0569		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
chloroprocaine									
2177	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
chlorotulidine, p- (fundal metab.)									
1272		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
chlorpentermine									
1329	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
chlorpheniramine									
1972	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
chlorpromazine									
2452	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2526	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
chlorprothixene									
2460	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
chlorpyrifos									
1982	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
cholest-7-en-3-one									
3165		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholest-7-en-3beta-ol									
3135		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholesta-4,24-dien-3-one									
3230		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholestane, 5alpha-									
2852		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
cholestanol									
3115		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholestanone									
3145		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholestenone									
3220		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholestenone, 24-oxo									
3425		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholesterol									
3008		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
3041	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
3086		OV-1/SE-30	glass					standard	4
3093	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
cholesterol, 24-oxo									
3300		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholesterol, 4,4-dimethyl									
3255		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
cholesterol, 7-dehydro									
3130		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3135		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
chrysene									
2405	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
2465	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
cinchocaine									
2675	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cineole, 1,8-									
1127		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
cinnamic acid, 2,4-dimethoxy, trimethylsilyl derivative									
2012		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 2-hydroxy, methyl ester									
1430		SE-30		25%w/w on Celite				standard	19
cinnamic acid, 2-hydroxy, trimethylsilyl derivative									
1800		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
cinnamic acid, 2-methoxy, trimethylsilyl derivative									
1754		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3,4,5-trimethoxy, trimethylsilyl derivative									
2119		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3,4-dihydroxy, trimethylsilyl derivative									
2136		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative									
2149		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
cinnamic acid, 3,4-dimethoxy, trimethylsilyl derivative									
1998		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3,5-dimethoxy, trimethylsilyl derivative									
1994		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3,5-dimethoxy-4-hydroxy, trimethylsilyl derivative									
2212		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 3-hydroxy, methyl ester									
1690		SE-30		25%w/w on Celite				standard	19
cinnamic acid, 3-hydroxy, trimethylsilyl derivative									
1863		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
cinnamic acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative									
2054		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
cinnamic acid, 3-methoxy, trimethylsilyl derivative									
1766		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 4-hydroxy, methyl ester									
1498		SE-30		25%w/w on Celite				standard	19
cinnamic acid, 4-hydroxy, trimethylsilyl derivative									
1928		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
cinnamic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative									
2078		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2080		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, 4-methoxy, trimethylsilyl derivative									
1796		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1803		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamic acid, benzyl ester									
1682		SE-30		25%w/w on Celite				standard	19
cinnamic acid, cinnamyl ester									
2052		SE-30		25%w/w on Celite				standard	19
cinnamic acid, ethyl ester									
1447		SE-30		25%w/w on Celite				standard	19
cinnamic acid, isobutyl ester									
1598		SE-30		25%w/w on Celite				standard	19
cinnamic acid, methyl ester									
1363		SE-30		25%w/w on Celite				standard	19
cinnamic acid, phenylethyl ester									
2096	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2125		OV-1/SE-30	glass					standard	4
2143		SE-30		25%w/w on Celite				standard	19

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cinnamic acid, trimethylsilyl derivative									
1497		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1527		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
cinnamoylcocaine									
2480	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
citral									
1272		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citric acid, acetyltributyl ester									
2253		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citric acid, acetyltriethyl ester									
1730		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citric acid, tributyl ester									
2150		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citric acid, triethyl ester									
1655		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citric acid, trimethyl ester									
1442		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
citronellal									
1146		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
citronellol									
1225		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
clofibrate									
1456	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1481	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1549		OV-1/SE-30	glass					standard	4
clonazepam									
2759	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2800	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
clotermine									
1305	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
cocaine									
2161	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2233	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
codeine									
2323	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2376		OV-1/SE-30	glass					standard	4
2422	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
cotarmine									
1758	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
cotarmine decomposition product									
1828	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
cyanoacetic acid, ethyl ester									
0958	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0960	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
cyclobarbitone									
1973	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
cyclobenzaprine									
2204	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H- (chlordecone)									
2240		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H- (mirex)									
2445	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2470		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

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cyclododecanone									
1524		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
cycloheptadiene, 1,3-									
0800		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0811	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0815		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cycloheptane									
0794	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0797		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cycloheptane, bromo									
1110		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cycloheptane, chloro									
1026		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cycloheptatriene, 1,3,5-									
0784		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0785	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cycloheptatriene, 1-methoxy									
0994	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
cycloheptene									
0783	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0788		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohex-1-ene, 1-bromo									
0975	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohex-1-ene, 1-bromo-4-methyl									
1036	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohex-1-ene, 1-chloro									
0894	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohex-1-ene, 1-iodo									
1079	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohex-1-ene, 1-nitro									
1174	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexadiene, 1,3-									
0665	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0671		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexadiene, 1,4-									
0706		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0713	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexadiene, 1-ethyl-1,4-									
0900		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexadiene, 1-methoxy-1,3-									
0904	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexadiene, 1-methoxy-1,4-									
0939	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexadiene, 1-methyl-1,3-									
0771		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexadiene, 1-methyl-1,4-									
0800		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane									
0645		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0648	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0650	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0661	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0662	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0662	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0662	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cyclohexane (cont)									
0662	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0664	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0669	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0669		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0675		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclohexane, (1-methylpropyl)									
1019	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1019	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1019	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
cyclohexane, 1,1,3-trimethyl									
0832	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, 1,1,4-trimethyl									
0833	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, 1,1-dimethyl									
0778	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, 1-ethyl-1-methyl									
0903	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, allyl									
0919		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, alpha-hexachloro (alpha-BHC)									
1640	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1645	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1690		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1716		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, beta-hexachloro (beta-BHC)									
1668	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1672	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1710		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1749		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, bromo									
0969		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0969	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexane, butyl									
1026	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1028	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1028	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1028	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1030		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, chloro									
0880		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0888	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexane, cis,cis,cis-1,3,5-trimethyl									
0825	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis,cis,trans-1,3,5-trimethyl									
0849	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis,trans,cis-1,2,3-trimethyl									
0867	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis,trans,cis-1,2,4-trimethyl									
0869	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis,trans,trans-1,2,4-trimethyl									
0845	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis-1,2-dimethyl									
0820	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0834		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

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cyclohexane, cis-1,3-dimethyl									
0770	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0776	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0804		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, cis-1,4-dichloro									
1106		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, cis-1,4-dimethyl									
0810		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, cis-1-ethyl-2-methyl									
0921	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis-1-ethyl-3-methyl									
0881	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis-1-ethyl-4-methyl									
0904	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, cis-1-methyl-4-isopropyl									
0984	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, delta-hexachloro (delta-BHC)									
1755		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1817		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, ethyl									
0837		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, ethylidene									
0870		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, fluoro									
0738	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexane, gamma-hexachloro (gamma-BHC, lindane)									
1682	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
1694	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1704	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1715		OV-1/SE-30	glass					standard	4
1728	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1745		OV-1/SE-30	glass					standard	4
1757		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1797		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, hexachloro (BHC)									
1645	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
cyclohexane, iodo									
1067		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
1070	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexane, isopropyl									
0910	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0910	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0910	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0913	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0915		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, methyl									
0715	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0715	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0715	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0716	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0723	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0727	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0730		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0736		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cyclohexane, methylene									
0745		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, n-propyl									
0921	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0921	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0921	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0923	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0931		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, nitro									
1079	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexane, phenyl									
1296	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1314		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, tetradecafluoromethyl									
0490		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, trans-1,2-dimethyl									
0792	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0804		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, trans-1,3-dimethyl									
0783		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, trans-1,4-dichloro									
1070		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexane, trans-1,4-dimethyl									
0772	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0778	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0785		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexane, trans-1-ethyl-2-methyl									
0901	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, trans-1-methyl-4-isopropyl									
0970	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
cyclohexane, vinyl									
0824		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexanol									
0885	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0891		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclohexanol,3-methyl									
0947	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexanone									
0881	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
0900		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclohexanone, 3-methyl									
0945	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexanone, 4-t-butyl									
1198	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
cyclohexen-1-ol, 2-									
0887	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexen-1-one, 2-									
0920	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexen-1-one, 3-methyl-2-									
1039	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexene									
0661	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0661	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0667	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cyclohexene (cont)									
0667	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0681		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0690		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclohexene, 1,3-dimethyl-1-									
0825		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexene, 1,4-dimethyl-1-									
0825		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexene, 1-methyl									
0758	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0772		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0773	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexene, 1-phenyl									
1384		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclohexene, 3-bromo									
0988		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclohexene, 3-methyl-1-									
0743		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0745	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexene, 4-methyl-1-									
0743		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0744	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexene, 4-vinyl-1-									
0833		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0840		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclohexylamine									
0862	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclohexylamine, 3-methyl									
0926	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclomethycaine									
2841	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
cyclooctadiene, 1,5-									
0926		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0949	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclooctane									
0920		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0932	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1004		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
cyclooctatetraene, 1,3,5,7-									
0880	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclooctene									
0900		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0910	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
cyclopentadiene, 1,3-									
0540		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentadiene, 5-methyl-1,3-									
0639		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentadiene, hexachloro									
1318	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1343		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclopentamine									
1065	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cyclopentane									
0557	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0567	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0570		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0577		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclopentane, 1,1,2-trimethyl									
0762	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, 1,1,3,3-tetramethyl									
0763	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, 1,1,3-trimethyl									
0725	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, 1,1-dimethyl									
0675	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, bromo									
0845		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclopentane, chloro									
0767		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
cyclopentane, cis-1,2-dimethyl									
0715	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0722	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, cis-1,3-dimethyl									
0684	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, cis-1-trans-2,4-trimethyl									
0773	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, ethyl									
0725	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0733	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0739		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentane, methyl									
0620	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0622		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0627	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0627	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0629	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0634		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentane, pentyl									
1032	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1032	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1032	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
cyclopentane, phenyl									
1196		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentane, trans-1,2-dimethyl									
0690	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, trans-1,3-dimethyl									
0687	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, trans-1-cis-2,3-trimethyl									
0748	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, trans-1-cis-2,4-trimethyl									
0741	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
cyclopentane, vinyl									
0727		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentanol									
0792		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclopenten-1-one, 2-hydroxy-3-methyl-2-									
1021		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
cyclopentene									
0558		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0565		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
cyclopentene, 1,2-dimethyl-1-									
0764		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentene, 1-methyl-1-									
0654		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopentene, 3-methyl-1-									
0615		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
cyclopropanecarboxylic acid, 3-(2,2-dichlorovinyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (permethrin)									
2634	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2657	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
cymene, p-									
1009	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1013		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
decalin, cis-									
1084	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1087		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
decalin, trans-									
1049		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
decalol, trans-1,10-dimethyl-trans-9- (geosmin)									
1384	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1385		OV-101	quartz glass		0.30	50	helium	tap water	43
decane, 1,10-dibromo									
1735		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
decane, 1,10-dichloro									
1546		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
decane, 1-bromo									
1251	HP	Me silicone				25	helium	tap water	44
1326		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1344		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
decane, 1-chloro									
1258		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
decane, 2,6-dimethyl									
1119	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1119		SE-30	stainless steel	wall-coated open tubular				standard	15
decane, 2-methyl									
1065	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
decane, 4-methyl									
1061	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
decanoic acid, ethyl ester									
1379		SE-30		25%w/w on Celite				standard	19
decanoic acid, methyl ester									
1308	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1310		SE-30		25%w/w on Celite				standard	19
decanol									
1187	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1187	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1188	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
decanol, 1-									
1257	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
decene, 1-									
0988		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0988	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
decene, trans-2-									
0990		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
decene, trans-4-									
0990		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
decene, trans-5-									
1000		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
def									
2126		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
desipramine									
2200	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
desmosterol									
3125		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
dextromethorphan									
2097	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diacetylmorphine									
2581	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diamorphine									
2639	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
diazepam									
2376	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2376	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2383	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2419	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2425		OV-1/SE-30	glass					standard	4
2461	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
diazepam, n-desmethyl									
2428	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
dibenz(b,f)(1,4)oxazepine									
1726	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
dibenzofuran									
1459	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1487	HP	Me silicone				25	helium	tap water	44
1494	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
dibenzofuran, 2-chloro									
1680	HP	Me silicone				25	helium	tap water	44
dibenzofuran, 3-nitro									
1967	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
dibenzofuran, chloromethyl									
1790	HP	Me silicone				25	helium	tap water	44
dibenzothiophene									
1713	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
dibromoacetic acid, 1,1-dimethylpropyl ester									
1221	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 1,2-dimethylpropyl ester									
1244	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 1-methyl-3-butenyl ester									
1241	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibromoacetic acid, 1-methylbutyl ester									
1262	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 1-methylpropyl ester									
1169	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 2-methylpropyl ester									
1187	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 2-propenyl ester									
1114	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
dibromoacetic acid, 2-propynyl ester									
1130	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibromoacetic acid, 3-butenyl ester									
1210	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibromoacetic acid, 3-methylbutyl ester									
1296	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, 4-pentenyl ester									
1318	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibromoacetic acid, cis-3-hexenyl ester									
1433	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibromoacetic acid, dimethylethyl ester									
1103	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, methylethyl ester									
1068	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dibromoacetic acid, trans-3-hexenyl ester									
1427	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dibutyl ether									
0873	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0873	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0873	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
dichloroacetic acid, 1,1-dimethylpropyl ester									
1068	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 1,2-dimethylpropyl ester									
1084	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 1-methyl-3-butenyl ester									
1077	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, 1-methylbutyl ester									
1102	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 1-methylpropyl ester									
1015	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 2-methylpropyl ester									
1030	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 2-propenyl ester									
0946	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, 2-propynyl ester									
0962	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, 3-butenyl ester									
1042	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, 3-methylbutyl ester									
1133	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, 4-pentenyl ester									
1147	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, cis-3-hexenyl ester									
1261	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichloroacetic acid, dimethylethyl ester									
0960	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, methylethyl ester									
0918	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
dichloroacetic acid, trans-3-hexenyl ester									
1256	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
dichlorobenzene, 1,4-									
1000		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
dichlorobenzyl butyl ether, 2,4-									
1562	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1563	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
dichlorobenzyl butyl ether, 2,4- (cont)									
1565	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1567	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl decyl ether, 2,4-									
2171	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2176	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2179	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2183	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl dodecyl ether, 2,4-									
2378	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2385	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2389	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2393	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl ethyl ether, 2,4-									
1368	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1369	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1370	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1372	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl heptyl ether, 2,4-									
1863	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1866	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1870	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1872	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl hexadecyl ether, 2,4-									
2800	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2800	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2805	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2813	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl hexyl ether, 2,4-									
1760	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1764	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1767	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1768	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl nonyl ether, 2,4-									
2067	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2072	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2076	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2078	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl octyl ether, 2,4-									
1964	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1969	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1972	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1975	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl pentyl ether, 2,4-									
1659	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1663	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1665	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1666	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl pentyldecyl ether, 2,4-									
2694	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2698	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2704	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2705	CHROMPAK CP Sil 5CB		quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
dichlorobenzyl propyl ether, 2,4-									
1464	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1464	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1465	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1467	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl tetradecyl ether, 2,4-									
2588	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2594	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2600	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2600	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl tridecyl ether, 2,4-									
2483	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2490	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2495	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2495	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dichlorobenzyl undecyl ether, 2,4-									
2275	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2280	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2284	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2287	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
dicyclohexylamine									
1400	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
dicyclomine									
2080	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diethyl ether									
0496		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
diethylpropion									
1470	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diethyltryptamine									
1875	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
dihydrocodeine									
2323	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diisopropyl ether									
0594		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
diisopropyl ether, 2,2'-dichloro									
1029	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1029	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1029	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
dimehydrinate									
1841	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
dimethindine									
2250	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
dimethyltryptamine									
1720	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
dinitrobenzenesulphonamide, 4-(dipropylamino)-3,5- (oryzalin)									
2619		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
diosgenin									
3255		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
diosgenone									
3360		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
dioxane, 1,3-									
0695	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0696	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
dioxane, 1,4-									
0686	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
dichlorobenzyl propyl ether, 2,4-									
0687	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
dioxane, 1,4- (cont)									
0692	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0721		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
dioxolane, 1,3-									
0597		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
dioxolane, 2-ethyl-4-methyl									
0766	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0766	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0766	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
dipentene									
1019		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
diphenhydramine									
1842	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
1888	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
diphenhydramine metabolite									
1827	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diphenyl ether									
1363	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1376	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1376	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
diphenyl sulphone, 2,4,4',5-tetrachloro (tetradifon)									
2430		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
diphenylamine, 2-amino-5-chloro									
2078		OV-1/SE-30	glass					standard	4
diphenylamine, 2-nitro									
1965	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
diphenylpyralamine									
2073	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
diphosphorodithioic acid, O,O,O',O'-tetraethyl S,S'-methylene ester (ethion)									
2220		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2232		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
2265	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
disopyramide									
2470	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
disulphide, bis(2-chloroethyl)									
1336	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
disulphide, diethyl									
0903	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0908	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
disulphide, dimethyl									
0718	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0720	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0724		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0736		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0743		SE-30	glass	Chromosorb W DCMS (100-120 mesh)	2.4	1.5	nitrogen	standard	36
disulphide, ethylmethyl									
0867		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0869	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0869	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
disulphide, propylmethyl									
0913		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
disyston sulfone									
2060		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
dithane, 1,4-									
1019	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
dithiocarbonate, s,s-(6-methylquinoxaline-2,3-diyl) (morestan)									
2058		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
docosane									
2200	HP	Me silicone				25	helium	tap water	44
dodecanal									
1389	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1389	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1389	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
dodecane, 1,12-dibromo									
1946		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
dodecane, 1-bromo									
1554		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
dodecane, 2,6,10-trimethyl									
1379		SE-30	stainless steel	wall-coated open tubular				standard	15
dodecanoic acid, (lauric acid)									
1732	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1742	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
dodecanoic acid, ethyl ester									
1579		SE-30		25%w/w on Celite				standard	19
dodecanoic acid, methyl ester									
1507	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1513		SE-30		25%w/w on Celite				standard	19
1526	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1526	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
dodecanol, 1-									
1460	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
dodecene, 1-									
1189	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
doxepin									
2194	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
doxylamine									
1888	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
durene									
1100		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
ecgonine, methyl ester									
1439	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
1462		SE-30		25%w/w on Celite				standard	19
eicosane									
2000	HP	Me silicone				25	helium	tap water	44
eicosane, 1-bromo									
2395		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
eicosane, 1-chloro									
2292		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ephedrine									
1336	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
epichlorhydrin									
0700		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
epoxide, propylene									
0636	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0636	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0664	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
ergost-8(14)-en-3-one									
3230		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
ergost-8(14)-en-3beta-ol									
3215		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
ergostanol									
3210		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
ergostanone									
3240		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
ethanal									
0363		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0369		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethane, 1,1'-oxybis[2-((2-chloroethyl)thio)]									
1910	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
ethane, 1,1,1,2-tetrachloro									
0833		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1,1-trichloro									
0627	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0630	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0632	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0635		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0650		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethane, 1,1,1-trichloro-2,2,2-trifluoro									
0528		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl) (p,p'-DDT)									
2264	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2290		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2293	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
2300	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2300	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2330	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
ethane, 1,1,1-trichloro-2,2-bis(4-methoxyphenyl) (methoxychlor)									
2410		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2417		OV-1/SE-30	glass					standard	4
2420	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
2420	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
ethane, 1,1,1-trichloro-2,2-bis(chlorophenyl) (DDT)									
2232	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ethane, 1,1,1-trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDT)									
2220		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2242	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2294	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
ethane, 1,1,2,2-tetrabromo									
1269		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1,2,2-tetrachloro									
0876	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0886		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0888	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0888	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0888	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
ethane, 1,1,2-tribromo									
1013		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1,2-trichloro									
0751		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1,2-trichloro-1,2,2-trifluoro									
0529		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,1-dibromo									
0724		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
ethane, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-TDE)									
2200		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2212	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
2212	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
ethane, 1,1-dichloro-2,2-bis(4-ethylphenyl) (ethylan)									
2175		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
ethane, 1,1-dichloro-2,2-bis(4-ethylphenyl) (perthane)									
2175		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
ethane, 1,1-dichloro-2,2-bischlorophenyl (TDE)									
2200		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
2213	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ethane, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-TDE)									
2130		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2140		OV-1/SE-30	glass					standard	4
2146	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ethane, 1,2-bis[(2-chloroethyl)thio] (Sesquimustard)									
1623	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
ethane, 1,2-dibromo									
0784		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0803	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0805	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
ethane, 1,2-dibromo-1,1-dichloro									
1016		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,2-dichloro									
0628		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0632		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0640		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0641	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0643	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
ethane, 1,2-difluoro-1,1,2,2-tetrachloro									
0704		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1,2-diiodo									
1008		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 1-bromo-2-chloro									
0704	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0704	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0704	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0707		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, 2,2-bis(4-chlorophenyl)-1,1-dichloro (4,4'DDD)									
2184	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
ethane, 2-(2-chlorophenyl)-2-(4-chlorophenyl)-1,1-dichloro (2,4'DDD)									
2118	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2146	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ethane, bromo									
0518		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0522		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethane, chloro									
0429		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, hexachloro									
1000		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1055	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1057	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1057	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1057	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1073		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

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ethane, iodo									
0601		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, meso-1,2-dibromo-1,2-dichloro									
1076		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, pentabromo									
1525		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, pentachloro									
0950	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0950	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0950	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0965		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethane, rac-1,2-dibromo-1,2-dichloro									
1073		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethanol									
0427		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0509	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
ethanol, 2,2'-thiodi									
1131	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
ethanol, 2,2,2-trichloro									
0862		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethanol, phenyl									
1104		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
ethene, 1,1-dichloro									
0520		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethene, 1,1-dichloro-2,2-bis(4-chlorophenyl) (p,p'-DDE)									
2112	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2130		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2145	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
2151	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
ethene, 1,1-dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl) (o,p'-DDE)									
2047	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2070		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2072	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ethene, bromo									
0450		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethene, bromotrichloro									
0884	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
ethene, cis-1,2-dibromo									
0728		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethene, tetrachloro									
0789	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0789	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0789	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0797		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0800		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0814		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethene, tetraphenyl									
2478		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
ethene, trans-1,2-dibromo									
0756		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethene, trans-1,2-dichloro									
0551		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

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ethene, tribromo									
0961		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ethene, trichloro									
0673	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0677	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0680	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0686		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0689		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0698		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ether, 1,2-dichloroethyl ethyl									
0846		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, 2,2'-dichlorodiethyl									
0956		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, 2-bromoethyl ethyl									
0798		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, 4-bromophenyl phenyl									
1652	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
ether, chloromethyl ethyl									
0632		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, chloromethyl methyl									
0544		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, di-n-hexyl									
1287	HP	Me silicone				25	helium	tap water	44
ether, dibenzyl									
1620	HP	Me silicone				25	helium	tap water	44
ether, dichloromethyl methyl									
0657		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
ether, methyl-t-butyl									
0562		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethinyloestradiol									
2719		OV-1/SE-30	glass					standard	4
ethion dioxin									
2077		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
ethion monoxon									
2142		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
ethoheptazine									
1823	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
ethyl guthion oxygen analog									
2424		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
ethylamine, 1-phenyl									
1050		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
ethylamine, 2-hydroxy (ethanolamine)									
0780		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
ethylamine, 2-phenyl									
1125		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1133	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
ethylbenzoylecgonine									
2219	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
ethylene, trans-1,2-di-t-butyl									
0793		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
ethylmorphine									
2364	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
ethyne, phenyl									
0862		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
eugenol									
1368		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
fenchone									
1067	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1067	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1067	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
fenitrothion									
1922	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
1944	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
fentanyl									
2681	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
fluoranthene									
1352	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2023	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
2030	HP	Me silicone				25	helium	tap water	44
fluoranthene, 3-chloro									
2239	HP	Me silicone				25	helium	tap water	44
fluorene									
1527	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1535		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1547	HP	Me silicone				25	helium	tap water	44
1560	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1580		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1583	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
fluorene, 2-chloro									
1762	HP	Me silicone				25	helium	tap water	44
fluorene, 2-nitro									
2102	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
2120	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
fluorene, 3-nitro-9-									
2149	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
fluorenone									
1698	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1705		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1708	HP	Me silicone				25	helium	tap water	44
flurazepam									
2741	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2788	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
flurazepam, N-desalkyl									
2379	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
flurazepam, hydroxy-ethyl									
2600	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
formic acid, 2-propenyl ester									
0571		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
formic acid, benzyl ester									
1057		SE-30		25%w/w on Celite				standard	19
formic acid, cinnamyl ester									
1332		SE-30		25%w/w on Celite				standard	19
formic acid, ethyl ester									
0501		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
fucosterol									
3280		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
fucosterone									
3390		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
furan									
0498		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
furan, 2-acetyl									
0896		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furan, 2-hydroxymethyl (furfuryl alcohol)									
0856		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furan, 2-methyl									
0501		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
furan, 2-propionyl									
0984		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furan, tetrahydro									
0616		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0624	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0626		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0651	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
furfural, 5-(hydroymethyl)									
1270		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furfural, 5-methyl									
0984		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furfuraldehyde									
0812		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
furoic acid, methyl ester									
0950		SE-30		25%w/w on Celite				standard	19
glutamic acid, 4-methoxyphenylacetyl, trimethylsilyl derivative									
2319		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
glutamic acid, phenylacetyl, trimethylsilyl derivative									
2039		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2067		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2296		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
glutamine, phenylacetyl, trimethylsilyl derivative									
2068		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2080		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2195		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
glutaric acid, dimethyl ester									
1105		SE-30		25%w/w on Celite				standard	19
glyceryl dibenzoate isomer									
2442		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
guthion oxygen analog									
2358		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
haloperidol									
2887	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
harman									
2000		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
heneicosane									
2100	HP	Me silicone				25	helium	tap water	44
heptabarbitone									
2098	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
heptacosane									
2700	HP	Me silicone				25	helium	tap water	44
heptadecane									
1700	HP	Me silicone				25	helium	tap water	44
heptadecane, 1-bromo									
2073		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
heptadecane, 2,6,10,14-tetramethyl									
1893		SE-30	stainless steel	wall-coated open tubular				standard	15

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
heptadiene, 1,6-									
0676		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
heptanal									
0876	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0876	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0876	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
heptane, 1-bromo									
1027		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
heptane, 1-chloro									
0950		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
heptane, 1-iodo									
1123		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
heptane, 2,2,4,6,6-pentamethyl									
1067	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,2-dimethyl									
0817	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,3-dimethyl									
0853	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,4,6-trimethyl									
0874	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,4-dimethyl									
0821	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,5-dimethyl									
0833	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2,6-dimethyl									
0827	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 2-chloro									
0894		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
heptane, 2-methyl									
0761	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0766	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
heptane, 3,3-dimethyl									
0835	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 3-ethyl									
0868	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 3-ethyl-2-methyl									
0946	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 3-ethyl-3-methyl									
0940	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 3-methyl									
0769	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0774	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
heptane, 4,4-dimethyl									
0823	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 4-ethyl									
0858	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, 4-methyl									
0762	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0768	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
heptane, 4-propyl									
0945	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
heptane, n-									
0700	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
heptanoic acid, allyl ester									
1163		SE-30		25%w/w on Celite				standard	19
heptanoic acid, ethyl ester									
1080		SE-30		25%w/w on Celite				standard	19
heptanoic acid, methyl ester									
1008		SE-30		25%w/w on Celite				standard	19
heptanol, 1-									
0948	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
0953		OV-101	glass		0.27	50		standard	45
0955		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
heptanone, 3-									
0866	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0866	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0866	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
heptanone, 5-methyl-3-									
0923	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
hepten-2-one, 6-methyl-5-									
0962	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
heptene, 1-									
0685	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0689		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexachlorophane									
2807		OV-1/SE-30	glass					standard	4
hexacosane									
2600	HP	Me silicone				25	helium	tap water	44
hexadecane									
1600	HP	Me silicone				25	helium	tap water	44
hexadecane, 1-bromo									
1968		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexadecane, 1-chloro									
1871		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexadecane, 2,6,10,14-tetramethyl (phytane)									
1814		SE-30	stainless steel	wall-coated open tubular				standard	15
hexadecane, 2,6,10-trimethyl									
1744		SE-30	stainless steel	wall-coated open tubular				standard	15
hexadecane, 3,7,11-trimethyl									
1751		SE-30	stainless steel	wall-coated open tubular				standard	15
hexadecanoic acid, (palmitic acid)									
1945	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1945	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1973		OV-1/SE-30	glass					standard	4
1980	HP	Me silicone				25	helium	tap water	44
hexadecanoic acid, ethyl ester									
1979		SE-30		25%w/w on Celite				standard	19
1981		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
hexadecanoic acid, methyl ester (methyl palmitate)									
1867		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1910	HP	Me silicone				25	helium	tap water	44
1911		SE-30		25%w/w on Celite				standard	19
hexadiene, 1,3-									
0620		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexadiene, 1,4-									
0593		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexadiene, 1,5-									
0575		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
hexadiene, 2,5-dimethyl-2,4-									
0862		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexadiene, cis, trans-2,4-									
0673		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexadiene, trans, trans-2,4-									
0662		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexanal									
0773	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0773	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0773	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
hexanal, 2-ethyl									
0932	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0932	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0932	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
hexane, 1,6-dibromo									
1307		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 1-bromo									
0923		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 1-bromo-2-ethyl									
1083		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 1-chloro									
0844		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 1-iodo									
1019		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 2,2,3-trimethyl									
0821	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
hexane, 2,2,4-trimethyl									
0789	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
hexane, 2,2,5-trimethyl									
0781	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0784	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0786	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
hexane, 2,2-dimethyl									
0718	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0724	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 2,3,3-trimethyl									
0834	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
hexane, 2,3-dimethyl									
0754	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0761	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 2,4-dimethyl									
0728	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0734	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 2,5-dimethyl									
0726	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0732	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 2-bromo-2-methyl									
0927		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 2-chloro									
0795		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 2-methyl									
0659	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0665		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0667	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
hexane, 3,3,4,4-tetramethyl									
0971	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
hexane, 3,3-dimethyl									
0735	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0741	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 3,4-diethyl									
0937	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
hexane, 3,4-dimethyl									
0764	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0770	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 3-chloro									
0795		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
hexane, 3-ethyl									
0770	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0775	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 3-methyl									
0669	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0675		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0676	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexane, 5,5-dimethyl-2-									
0709	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
hexane, n-									
0600	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
hexanoic acid, 2-ethyl									
1117	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
hexanoic acid, 2-propenyl ester									
1056		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
hexanoic acid, allyl ester									
1061		SE-30		25%w/w on Celite				standard	19
hexanoic acid, ethyl ester									
0981		SE-30		25%w/w on Celite				standard	19
hexanoic acid, hexyl ester									
1371		SE-30		25%w/w on Celite				standard	19
hexanoic acid, methyl ester									
0907		SE-30		25%w/w on Celite				standard	19
hexanol, 1-									
0848	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0854		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
hexanone, 3-									
0761	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0761	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0761	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0768		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
hexatriene, 1,3,5-									
0647		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexen-1-ol, cis-3-									
0818	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
hexen-1-ol, trans-3-									
0814	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
hexene, 1-									
0585	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0589		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hexene, 5,5-dimethyl-2-									
0709	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
hippuric acic, trimethylsilyl derivative									
1802		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hippuric acid, 2-hydroxy, trimethylsilyl derivative									
2041		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hippuric acid, 3-hydroxy, trimethylsilyl derivative									
2120		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hippuric acid, 3-hydroxy-4-methoxy, trimethylsilyl derivative									
2326		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hippuric acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative									
2327		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hippuric acid, 4-methoxy, trimethylsilyl derivative									
2079		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hydantoin, 5-(4-methylphenyl)-5-phenyl									
2457		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
hydantoin, 5-methyl-5-phenyl									
1866		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
hydracrylic acid, beta-(3-hydroxy-4-methoxyphenyl), trimethylsilyl derivative									
2004		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hydracrylic acid, beta-(3-hydroxyphenyl), trimethylsilyl derivative									
1863		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
hydrazine, 1,2-diphenyl									
1588	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1596	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1596	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1596	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
hydrindane, cis- (hexahydroindane)									
0975	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0987		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hydrindane, trans- (hexahydroindane)									
0955		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
hydrocodone									
2375	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hydromorphone									
2381	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hydroxyamitriptyline									
2309	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hydroxynortriptyline									
2325	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hydroxyzine									
2832	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hyocyamine									
2146	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
hyoscine									
2261	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
imidan oxygen analog									
2266		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
imidazole									
1095		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
imipramine									
2190	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
indan, 5-nitro									
1501	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
indane									
1013	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1014	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1014	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1014	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1018		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1021		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
indane, 1,1,3-trimethyl-3-phenyl									
1695	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1695	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
indane, 1,1-dimethyl									
1081	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
indane, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor epoxide)									
1975	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2012	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2015		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2015		OV-1/SE-30	glass					standard	4
indane, 1-methyl									
1077		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
indene									
1017		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1020	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1023		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1023	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1023	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1059		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
1062		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H- (chlordane)									
1610	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1834	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1874	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1931	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1939	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1989	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2036	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2042	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2063	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2073	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2097	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2116	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2234	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2249	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H- (heptachlor)									
1843	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1870	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1870	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1873	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1880		OV-1/SE-30	glass					standard	4
1890		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1968	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
indene, 1-methyl									
1124		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
indene, 2,3-dihydro									
1012		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
indene, 4,5,6,7,8,8-hexachloro-1-hydroxy-3a,4,7,7a-tetrahydro-4,7-methano-1H- (1-hydroxychlordene)									
1955		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
indene, octahydro									
0940	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0940	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0940	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
indole									
1276		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
isatin									
1712		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
isobutanoic acid, cinnamyl ester									
1562		SE-30		25%w/w on Celite				standard	19
isobutyric acid, isobutyl ester									
0901		SE-30		25%w/w on Celite				standard	19
isodurene									
1104		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-1H- (folpet)									
2015		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2077	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H- (captan)									
2000		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2019		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
2030	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
isophedrine									
1339	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
isophthalic acid, butyl octyl ester									
2419		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, decyl ethyl ester									
2423		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, di(2-ethylhexyl) ester									
2730		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
isophthalic acid, dibutyl ester									
2025		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2025		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2030		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, diethyl ester									
1638		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1638		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1639		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, diheptyl ester									
2605		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2605		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2608		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, dihexyl ester									
2414		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2414		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2417		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2417		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, dimethyl ester									
1488		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1512		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
isophthalic acid, dipentyl ester									
2219		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2219		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2222		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
isophthalic acid, dipropyl ester									
1828		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1828		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1829		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, heptyl pentyl ester									
2416		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, methyl undecyl ester									
2459		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isophthalic acid, nonyl propyl ester									
2419		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
isoquinoline									
1248		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
isotetralin									
1179		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
isovaleric acid, cinnamyl ester									
1663		SE-30		25%w/w on Celite				standard	19
ketamine									
1798	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
lactic acid, beta-(3-indolyl), trimethylsilyl derivative									
2107		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2168		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
lactic acid, beta-(4-hydroxy-3-methoxyphenyl), trimethylsilyl derivative									
2027		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
lactic acid, beta-(4-hydroxyphenyl), trimethylsilyl derivative									
1906		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1913		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
lactic acid, beta-(4-methoxyphenyl), trimethylsilyl derivative									
1795		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1797		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
lactic acid, beta-phenyl, trimethylsilyl derivative									
1585		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1587		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
lactic acid, ethyl ester									
0801		SE-30		25%w/w on Celite				standard	19
0803		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
levallorphan									
2306	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
levorphanol									
2169	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
lidocaine									
1842	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
limonene									
1018	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1018	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1023		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1029		OV-101	glass		0.27	50		standard	45
1030		OV-101	glass		0.27	50		standard	45
1031		OV-101	glass		0.27	50		standard	45
1051		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
1053		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
limonene oxide, d-									
1148		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
linalool									
1082		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
linoleic acid, cis-									
1309		OV-1/SE-30	glass					standard	4
linolenic acid									
2178		OV-1/SE-30	glass					standard	4
lophenol									
3215		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
lophenone									
3210		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
lorazepam									
2353	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
loxepine									
2542	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
maleic acid, dibutyl ester									
1505		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
maleic acid, diethyl ester									
1081		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
malonic acid, diethyl ester									
1035		SE-30		25%w/w on Celite				standard	19
malonic acid, dimethyl ester									
0895		SE-30		25%w/w on Celite				standard	19
malonitrile, 4-chlorobenzylidene									
1490	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
1516		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
mandelic acid, 3,4-dihydroxy, trimethylsilyl derivative									
1948		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
mandelic acid, 4-hydroxy, trimethylsilyl derivative									
1794		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
mandelic acid, 4-hydroxy-3-methoxy, trimethylsilyl derivative									
1892		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
mandelic acid, 4-methoxy, trimethylsilyl derivative									
1691		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
mandelic acid, trimethylsilyl derivative									
1469		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
maprotiline									
2296	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
meclizine									
3000	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
menth-4(8)-ene, p-									
0998		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
menth-8-en-1-ol, p-									
1156		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
menth-8-en-2-ol, p-									
1208		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
menthan-1-ol, p-									
1156		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
menthan-8-ol, p-									
1162		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
menthene, 1-									
0985		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
1019		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
mepazine									
2500	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
meperidine									
1720	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
mephenesin									
1518	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mephentermine									
1236	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mepivicaine									
2025	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mercaptan, allyl (1-propen-3-thiol)									
0575	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0583	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0778		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
mercaptan, isopropyl									
0654		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
mercaptan, n-butyl									
0692	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0696	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
mercaptan, n-propyl									
0580	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0596	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
mercaptan, pentyl									
0795	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0808	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
mercaptan, s-butyl									
0647	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0681	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
mercury, diphenyl									
1873		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
mescaline									
1657	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mesoridazine									
3326	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mestranol									
2612		OV-1/SE-30	glass					standard	4
meth-1-ene, p-									
1205		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
meth-2-ene, p-									
0985		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
methadone									
2121	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2148		OV-1/SE-30	glass					standard	4
2194	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
methamphetamine									
1161	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methane, bis-(methylthio)									
0860	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
methane, bromchloro									
0601		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, bromo									
0420		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, bromochloroiodo									
0877	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0883	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0884	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0884	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
methane, bromodichloro									
0678	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0691		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0693	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0694	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0696	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0704	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
methane, bromotrichloro									
0752		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, dibromo									
0680		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0700	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0700	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
methane, dibromochloro									
0753	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0759	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0762	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0766	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0768	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0768	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0768	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0776		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, dichloro									
0515		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0524		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0524		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
methane, dichloroiodo									
0779	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0786	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0787	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0795	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0795	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
methane, diiodo									
0904		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, diphenyl									
1445	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1461	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
methane, iodo									
0518		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, nitro									
0536		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
methane, tetrabromo									
1054		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, tetrachloro									
0646		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0646	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0655		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0658	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0667	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0672		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0673	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
methane, tetraiodo									
1862		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, tribromo									
0822	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0827	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
methane, tribromo (cont)									
0840	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0852	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0855	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0855	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0855	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0860	HP	Me silicone				25	helium	tap water	44
0867		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, trichloro									
0595		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0603	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0609		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0609		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0610	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0616	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
methane, trichlorofluoro									
0477		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, trichloronitro (chloropicrin)									
0761		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methane, triiodo									
1243		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
methanimidamide, N'-(4-chloro-2-methylphenyl)-N,N-dimethyl (fundal, chlordimeform)									
1655		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
methanol									
0384		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0475	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
methapyrilene									
1952	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methaqualone									
2197	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
methdilazine									
2421	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methenamine									
1191	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methotrimeprazine									
2490	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methoxamine									
1700	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
methyl isopropyl ketone									
0651	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0651	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
methyl parathion oxygen analog									
1747		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
methylphenidate									
1702		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
methyprylon									
1489	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
mobam									
1873		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
morphine									
2367	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
morpholine									
0810		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
myrcene									
0983		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0984		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
myrcenol, dihydro									
1062	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
nalorphine									
2510	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
naloxone									
2608	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
naphazoline									
1958	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
naphthal, 2-nitro									
1659	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene									
1150	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1150	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1152		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1154		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1155	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1155	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1156	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1156	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1157		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1157		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1160		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1162	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1162	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1165	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1168	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1170		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1180	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1184		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
1186		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1188	HP	Me silicone				25	helium	tap water	44
1189	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
naphthalene, 1,2,3,4,10,10-hexachloro-1,4,4,5,8,8-hexahydro-exo-1,4-endo-5,8-dimethano (aldrin)									
1906	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
1943		OV-1/SE-30	glass					standard	4
1946	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1950		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2008	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2027		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (dieldrin)									
2088	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2100		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2110		OV-1/SE-30	glass					standard	4
2139	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
2139	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2140	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
2170	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
2220		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
naphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4:5,8-dimethano (endrin)									
2121	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2165		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2183		OV-1/SE-30	glass					standard	4
2236	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53

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naphthalene, 1,2,3,4-tetrahydro (tetralin)									
1136	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1137		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1141	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1141	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1144	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1151		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1232		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
naphthalene, 1,2-dihydro									
1137		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
naphthalene, 1,2-dimethyl									
1430		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1432		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,3,7-trimethyl									
1509		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,3-dimethyl									
1391	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1400		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1402		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,4-dimethyl									
1409	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1418		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1419		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,5-dimethyl									
1421		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,5-dinitro									
1900	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene, 1,6-dimethyl									
1402		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,7-dimethyl									
1410		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,8-dimethyl									
1449		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1,8-dinitro									
2171	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene, 1-ammino-4-nitro									
2185	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene, 1-chloro									
1348	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1348	HP	Me silicone				25	helium	tap water	44
1354	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1376	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
naphthalene, 1-ethyl									
1343		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1367	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1379		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1-isobutyl									
1501		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1-methyl									
1268		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1282	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1288	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1288	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1288	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1296		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1302		OV-1	glass	wall-coated open tubular	0.23	50		standard	33

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
naphthalene, 1-n-butyl									
1555		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1-n-propyl									
1460		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 1-nitro									
1573	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1579	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1586	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
naphthalene, 2,3,5-trimethyl									
1533		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2,3,6-trimethyl									
1515		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1522		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2,3-dimethyl									
1381		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1411	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1420		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2,6-dimethyl									
1377	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1387		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1388		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2,7-dimethyl									
1389		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1390		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-chloro									
1348	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
naphthalene, 2-ethyl									
1328		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1366	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1377		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-isobutyl									
1513		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-isopropyl									
1435		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-methoxy									
1410		OV-101	quartz glass		0.30	50	helium	tap water	43
naphthalene, 2-methyl									
1252		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1267	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1273	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1273	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1273	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1283		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1287		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
1313		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
naphthalene, 2-methyl-1-nitro									
1590	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene, 2-methyldecahydro									
1120	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1120	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1120	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
naphthalene, 2-methyltetrahydro									
1208		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
naphthalene, 2-n-butyl									
1564		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-n-propyl									
1465		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-nitro									
1610	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1631	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
naphthalene, 2-phenyl									
1935	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
naphthalene, 2-sec-butyl									
1521		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-t-butyl									
1502		OV-1	glass	wall-coated open tubular	0.23	50		standard	33
naphthalene, 2-vinyl									
1403		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
naphthalene, bromo isomer									
1434		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
naphthalene, chloromethyl									
1462	HP	Me silicone				25	helium	tap water	44
naphthalene, decahydro									
1043	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
1045	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1045	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1045	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
naphthalene, tetrachloro (TCN)									
1891	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
naphthalenedione, 2,3-dichloro-1,4- (dichlone)									
1760		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
naphthonitrile, 1-									
1489		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
naphthoquinone, 1,4-									
1427		SE-30		Chromosorb P AW DMCS (60-80 mesh)	0.32	2	nitrogen	standard	59
nicotinamide									
1475		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
nicotine									
1315	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
nitrazepam									
2740	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
2750		OV-1/SE-30	glass					standard	4
nitropropane, 2-									
0676		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
nonachlor, trans									
2067	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
nonadecane									
1900	HP	Me silicone				25	helium	tap water	44
nonadecane, 2,6,10,14,18-pentamethyl									
2141		SE-30	stainless steel	wall-coated open tubular				standard	15
nonadecane, 2,6,10,14-tetramethyl									
2020		OV-1/SE-30	glass					standard	4
2076		SE-30	stainless steel	wall-coated open tubular				standard	15

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
nonanal									
1084	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1084	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1084	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
nonane, 1-bromo									
1238		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
nonane, 1-chloro									
1154		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
nonane, 2,6-dimethyl									
1026		SE-30	stainless steel	wall-coated open tubular				standard	15
nonane, 2-methyl									
0964	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
nonane, 3-ethyl									
0993	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
nonane, 3-methyl									
0970	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
nonane, 4-methyl									
0955	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
nonane, 5-methyl									
0960	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
nonanoic acid, methyl ester (pelargonic acid)									
1211		SE-30		25%w/w on Celite				standard	19
1215		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
nonanol, 1-									
1158	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
nonene, 1-									
0658		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0884	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0884	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0887	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0889		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulphite, 5- (endosulphan)									
2039	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
2086	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
norharman									
2005		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
normeperidine									
1738	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
norpropoxyphene									
2348	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2370	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
norpropoxypheneamide									
2505	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
nortripyline									
2174	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
oct-1-yne									
0811		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
octadecadienoic acid, methyl ester, 9,12- (methyl linoleate)									
2100		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
octadecane									
1800	HP	Me silicone				25	helium	tap water	44
octadecane, 1-bromo									
2180		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
octadecane, 1-chloro									
2084		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octadecane, 1-iodo									
2290		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octadecane, 2,6,10,14-tetramethyl									
1984		SE-30	stainless steel	wall-coated open tubular				standard	15
octadecanoic acid (stearic acid)									
2170	HP	Me silicone				25	helium	tap water	44
octadecanoic acid, ethyl ester									
2175		SE-30		25%w/w on Celite				standard	19
octadecanoic acid, methyl ester, (methyl stearate)									
2098		SE-30		25%w/w on Celite				standard	19
2112	HP	Me silicone				25	helium	tap water	44
2116		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2180		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
octadecenoic acid, ethyl ester, cis-9- (ethyl oleate)									
2149		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
2175		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
octadecenoic acid, methyl ester, cis-9- (methyl oleate)									
2086		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
octadiene, 1,7-									
0777		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
octanal									
0981	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0981	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0981	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
octane, 1,8-dibromo									
1523		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octane, 1,8-dichloro									
1330		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octane, 1-bromo									
1132		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octane, 1-chloro									
1048		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octane, 1-iodo									
1230		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
octane, 2,2-dimethyl									
0918	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 2,3-dimethyl									
0953	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 2,6-dimethyl									
0932		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
0934	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 2,7-dimethyl									
0929	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 2-methyl									
0863	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 3,3-dimethyl									
0934	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 3-ethyl									
0967	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 3-methyl									
0869	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 4,4-dimethyl									
0920	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
octane, 4-ethyl									
0961	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, 4-methyl									
0861	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
octane, n-									
0800	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
octanoic acid, 2-keto, methyl ester									
1200		SE-30		25%w/w on Celite				standard	19
octanoic acid, allyl ester									
1262		SE-30		25%w/w on Celite				standard	19
octanoic acid, ethyl ester									
1181		SE-30		25%w/w on Celite				standard	19
octanoic acid, methyl ester (methyl caprylate)									
1109		SE-30		25%w/w on Celite				standard	19
1130		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
octanol, 1-									
1050	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
1056	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
octanol, 3,7-dimethyl-1									
1190		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
octanol, 3,7-dimethyl-3									
1091		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
octanone, 4-									
0739	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0739	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0739	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
octene, 1-									
0786	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0789		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0790		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
octene, 3,7-dimethyl-1									
0963		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
octene, 3,7-dimethyl-2									
0922		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
octene, 3,7-dimethyl-3									
0922		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
oestradiol									
2659		OV-1/SE-30	glass					standard	4
oestriol									
2970		OV-1/SE-30	glass					standard	4
orphenadrine									
1915	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
oxadiazol-2(3H)-one, 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4- (oxadiazon)									
2158		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
oxalic acid, dicyclohexyl									
1880		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
oxalic acid, diethyl ester									
0948		SE-30		25%w/w on Celite				standard	19
oxalic acid, dimethyl ester									
0837		SE-30		25%w/w on Celite				standard	19
oxapine, 8-methoxyl									
2810	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
oxazepam									
2271	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
oxazole, 2,5-diphenyl (PPO)									
2050		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
oxycodone									
2453	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
oxymetalozine									
2123	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
oxymorphone									
2462	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
papaverine									
2818	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
paracetamol									
1687		OV-1/SE-30	glass					standard	4
parathion oxygen analog									
1901		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1915	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
penta-2,4-dione									
0843		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
pentadecane, 2,6,10,14-tetramethyl (pristane)									
1709	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1709		SE-30	stainless steel	wall-coated open tubular				standard	15
pentadecane, 2,6,10-trimethyl									
1650		SE-30	stainless steel	wall-coated open tubular				standard	15
pentadecane, 3,7,11-trimethyl									
1658		SE-30	stainless steel	wall-coated open tubular				standard	15
pentadiene, 1,3-									
0525		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentadiene, 1,4-									
0480		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentadiene, 2,4-dimethyl-1,3-									
0700		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentadiene, 4-methyl-1,3-									
0636		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentadiene, trans-1-methyl-1,3-									
0632		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentadione, 2,3-									
0675		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
pentan-2,4-dione, 1,1,1,5,5,5-hexafluoro									
0526		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentanal									
0679		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
pentane, 1,4-dibromo									
1103		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 1,5-diamino (cadaverine)									
1035		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
pentane, 1,5-dibromo									
1170		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 1,5-dichloro									
1002		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 1-bromo									
0819		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 1-bromo-4-methyl									
0885		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 1-chloro									
0741		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pentane, 1-iodo									
0912		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 2,2,4,4-tetramethyl									
0766	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0773	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane, 2,2,4-trimethyl									
0686	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pentane, 2,2-dimethyl									
0618	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0625	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0626	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0626	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
pentane, 2,3,3-trimethyl									
0747	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pentane, 2,3,4-trimethyl									
0743	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0744	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0744	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0744	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0750	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane, 2,3-dimethyl									
0661	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0670	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0670	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane, 2,4-dibromo									
1003		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 2,4-dimethyl									
0623	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0631	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0632	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0632	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
pentane, 2,4-dimethyl-3-ethyl									
0833	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pentane, 2-bromo									
0769		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 2-bromo-2,4-dimethyl									
0886		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
pentane, 2-methyl									
0562	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0569		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0570	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane, 3,3-dimethyl									
0646	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0657	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
0658	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0658	PEC	SE-30	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
0671	PEC	OV-1	borosilicate glass	wall-coated open tubular	0.2	17		standard	37
pentane, 3-ethyl									
0682	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pentane, 3-ethyl-2,4-dimethyl									
0973	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0973	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0973	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pentane, 3-ethyl-2-methyl									
0755	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0762	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane, 3-ethyl-3-methyl									
0764	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pentane, 3-methyl									
0578	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
0584		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
pentane, n-									
0500	PEC	OV-101	soda glass	wall-coated open tubular	0.27	100		standard	37
pentane-1,3-diol, 2,2,4-trimethyl									
1582	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1582	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1582	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
pentanoic acid, 2-propenyl ester									
0960		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
pentanol, 1-									
0746	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0754		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
pentanol, 2-									
0682	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
0682	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
pentanol, 2-methyl-2-									
0723	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
pentanol, 4-methyl-2-									
0748	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
pentanone, 2,2,4,4-tetramethyl-3-, (di-t-butyl ketone)									
0955	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0955	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0955	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
pentanone, 2-									
0639	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0639	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0662		OV-101	glass		0.27	50		standard	45
0662		OV-101	glass		0.27	50		standard	45
0662		OV-101	glass		0.27	50		standard	45
0671		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0674	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
pentanone, 4-methyl-2-									
0720	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0720	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0720	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0724		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
pentasulphide, dimethyl									
1415		SE-30	glass	Chromosorb W DCMS (100-120 mesh)	2.4	1.5	nitrogen	standard	36
pentazocine									
2246	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
penten-1-ol, 4-									
0717	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
penten-2-ol, 4-									
0639	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
pentene, 1-									
0492		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentene, 2-methyl-1-									
0589		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pentene, 2-methyl-2-									
0606		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentene, 3-methyl-1-									
0561		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
pentobarbitone									
1740		OV-1/SE-30	glass					standard	4
1763	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
permethrin, cis									
2615	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
permethrin, trans									
2637	CHROMPAK	CP Sil 5CB	quartz glass	wall-coated open tubular	0.22	25	hydrogen	standard	48
perylene									
2814	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenacetin									
1675		OV-1/SE-30	glass					standard	4
1699	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phenaceturic acid, trimethylsilyl derivative									
1847		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1862		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
phenanthrene									
1704		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1738	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
1747	HP	Me silicone				25	helium	tap water	44
1786		OV-1/SE-30	glass					standard	4
1791	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
phenanthrene, 1,2,3,4,5,6,7,8-octahydro									
1668		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
phenanthrene, 3,6-dimethyl									
1984	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
phenanthrene, 9,10-dichloro									
2178	HP	Me silicone				25	helium	tap water	44
phenanthrene, 9,10-dihydro									
1623		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
phenanthrene, 9-chloro									
1950	HP	Me silicone				25	helium	tap water	44
phenanthrene-9-carboxaldehyde									
2147	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
phenazine									
1703		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phenazopyridine									
2217	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phencyclidine									
1860	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phendimetrazine									
1431	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenelezine									
1265	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenenthrene, 1-methyl									
1888	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
phenenthrene, 2-methyl									
1866	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
phenindiamine									
2109	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pheniramine									
1779	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenmetrazine									
1409	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenobarbitone									
1957		OV-1/SE-30	glass					standard	4
1995	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phenol									
0926		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0959	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0962	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
phenol, 2,3,4-trichloro									
1332	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2,3,5-trichloro									
1304	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2,3,5-trimethyl									
1260		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,3,6-trichloro									
1346	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2,3-dimethyl									
1169		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4,5-trichloro									
1327	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1341	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1355	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1362		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4,6-trichloro									
1349		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4,6-trimethyl									
1204		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4-dichloro									
1140	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1156	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1164	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1183		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4-dimethyl									
1134		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,4-dimethyl (m-xylenol)									
1123	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2,4-dinitro									
1435	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1471		OV-1/SE-30	glass					standard	4
phenol, 2,5-dimethyl (2,5-xylenol)									
1125	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2,6-di-t-butyl-methyl									
1495	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
phenol, 2,6-dichloro									
1206		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,6-dimethoxy									
1347		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,6-dimethoxy-4-methyl									
1473		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2,6-dimethoxy-4-propyl									
1624		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
phenol, 2,6-dimethyl									
1078		OV-1	glass	wall-coated open tubular	0.30	24	helium	standard	9
1078		OV-1	glass	wall-coated open tubular	0.30	25	helium	standard	9
1079		OV-1	quartz glass	wall-coated open tubular	0.20	50	helium	standard	9
1079		OV-1	glass	wall-coated open tubular	0.30	30	helium	standard	9
1079	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1098		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-amino									
1242		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-amino-4-chloro									
1415	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2-bromo									
1065	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
phenol, 2-chloro									
0965	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 2-isopropyl-5-methyl									
1271		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-methoxy									
1077		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
phenol, 2-methoxy-4-propenyl									
1367		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-methoxy-4-propyl									
1392		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-methyl (o-cresol)									
1035		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-methyl-4,6-dinitro									
1617		OV-1/SE-30	glass					standard	4
phenol, 2-nitro									
1095		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 2-sec-butyl-4,6-dinitro (dinoseb)									
1695	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
1771	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1771	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1802	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phenol, 2-sec-butyl-4,6-dinitro (premerge)									
1800		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phenol, 3,4,5-trichloro									
1589	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 3,4-dimethyl (3,4-xylenol)									
1167	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 3,5-dichloro									
1391		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3,5-dimethyl									
1163		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-amino									
1335		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-bromo									
1262	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1270		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-chloro									
1173	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1194		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-ethyl									
1160		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
phenol, 3-hydroxy									
1368		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-iodo									
1369	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
phenol, 3-methoxy									
1211		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-methyl (m-cresol)									
1065		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 3-methyl-4-chloro									
1283		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-acetyl									
1578		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-acetyl-2,6-dimethoxy									
1849		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-acetyl-2-methoxy									
1531		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-amino									
1314		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-bromo									
1256	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1274		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-chloro									
1171	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1192		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-chloro-3-methyl									
1260	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phenol, 4-ethyl									
1162		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-hydroxy									
1334		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-iodo									
1343	HP	SE-30	stainless steel	Supelcoport (100-200 mesh)	3.18	3.1	helium	standard	39
1398		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-methoxy									
1210		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
phenol, 4-methyl (p-cresol)									
1059		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
1075	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1078	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
phenol, pentachloro									
1715	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1726	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1749		OV-1/SE-30	glass					standard	4
1754		OV-1/SE-30	glass					standard	4
1754	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
phenoxybenzamide									
2205	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phentermine									
1138	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenylacetaldehyde (alpha-tolualdehyde)									
1019		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
phenylpropanolamine									
1287	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phenyltoloxamine									
1915	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
phenyramidol									
1932	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
phosphonodithioic acid, o-ethyl s-phenyl ethyl ester (dyfonate, fonofos)									
1736		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphonofluoridic acid, methyl-, 1-methylethyl ester (Sarin)									
0792	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
phosphonofuloridic acid, methyl-, 2-methylcylcohexyl ester									
1211	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
phosphonothioic acid, methyl-, S-[2-(bis(1-methylethyl)amino)] ester									
1664	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
phosphonothioic acid, o-4-bromo-2,5-dichlorophenyl o-methyl phenyl ester (phosvel)									
2495		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoramidic acid, morpholino-, dimethyl ester									
1296	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
phosphoramidocyanidic acid, dimethyl-, methyl ester (Tabun)									
1078	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
phosphoramidothioic acid, n-acetyl, o,s-dimethyl ester (orthene, acephate)									
1440		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoramidothioic acid, o-2,4-dichlorophenyl o-methyl isopropyl ester (zytron)									
1942		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoramidothioic acid, O,S-dimethyl ester (methamidophos, Monitor, Tamaron)					0.25	15	helium	standard	49
1204		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, (1-methoxycarboxypropen-2-yl) dimethyl ester (phosdrin, alpha)									
1392		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, (1-methoxycarboxypropen-2-yl) dimethyl ester (phosdrin, beta)									
1390		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, (E)-1-methyl-2-(methylcarbamoyl)vinyl, dimethyl ester (azodrin, monocrotophos)									
1645		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, (Z)-2-chloro-1-(2,4,5-trichlorophenyl)vinyl ester (gardona)									
2084		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, 1,2-dibromo-2,2-dichloroethyl dimethyl ester (dibrom, naled)									
1635		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, 2,2-dichlorovinyl dimethyl ester (DDVP, dichlorvos)									
1220	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1221		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester (tetrachlorvinphos Z isomer)									
2084		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2112	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphoric acid, 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl ester (chlorfenvinphos)									
2053	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphoric acid, 2-chloro-2-diethyl carbomyl-1-methylvinyl dimethyl ester (phosphamidon mixed isomers)									
1850	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphoric acid, 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl ester (phosphamidon 1)									
1767		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl ester (phosphamidon 11)									
1837		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphoric acid, tri(2-ethylhexyl) ester									
2463		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tributyl ester									
1614	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1616	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
1690		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tricresyl ester									
2695		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, triethyl ester									
1091	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
1109		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

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phosphoric acid, triisobutyl ester									
1483		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, triisopropyl ester									
1182		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, trimethyl ester									
0995		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, trioctyl ester									
2445		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, triphenyl ester									
2363		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tripropyl ester									
1372		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tris(2,3-dichloropropyl) ester									
2307		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tris(2-chloroethyl) ester									
1740		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoric acid, tris(butoxyethyl) ester									
2363		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphoroamidate, 4-tert-butyl-2chlorophenyl methyl methyl (crufomate, Ruelene)									
1966		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid o,o-diethyl s-(ethylsulfinyl)methyl) ester (disyston sulfoxide)									
1303		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, O,O-diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-ethyl)									
2553	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2579	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphorodithioic acid, O,O-diethyl S-ethylthiomethyl ester (phorate)									
1675		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphorodithioic acid, O,O-diethyl S-ethylthiomethyl ester (thimet)									
1688		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] ester (azinphos-methyl)									
2430		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2464	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2507	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphorodithioic acid, OO-dimethyl S-1,2-dicarbethoxyethyl ester (malathion)									
1900		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1917		OV-1/SE-30	glass					standard	4
1917	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1920	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1930	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
1938		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, OO-dimethyl S-[2-(methylamino)-2-oxoethyl] ester (dimethoate)									
1690	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1707		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1720		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1725		OV-1/SE-30	glass					standard	4
1733	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphorodithioic acid, S,S'-(1,4-dioxane-2,3-diyl) O,O,O',O'-tetramethyl ester (delnav II)									
1714		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, S-((5-methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl)O,O-dimethyl ester (methidathion)									
2092	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphorodithioic acid, S-[[(4-chlorophenyl)thio]methyl] O,O-diethyl ester (carbophenothion)									
2255		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2310	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53

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phosphorodithioic acid, o,o-diethyl s-2-ethylthioethyl ester (disyston)									
1783		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, o,o-dimethyl s-phthalimidomethyl ester (imidan)									
2375		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, o-ethyl s,s-dipropyl ester (mocap, ethoprophos)									
1629		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s,s'-p-dioxane-2,3-diyl o,o,o',o'-tetramethyl ester (delnav I, dioxathion)									
1142		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-2,3-dihydro-5-methoxy-2-oxo1,3,4-thiadiazol-3-ylmethyl o,o-dimethyl ester(supracide)									
2012		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-2-chloro-1-phthalimidoethyl o,o-diethyl ester (torak)									
2570		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-3,4-dihydro-4-oxo-1,2,3-benzotriazin-3-yl o,o-diethyl ester (ethyl guthion)									
2551		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-3,4-dihydro-4-oxo-1,2,3-benzotriazin-3-ylmethyl o,o-dimethyl ester (guthion)									
2462		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-4-chlorophenylthiomethyl o,o-diethyl ester (trithion)									
2277		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-4-chlorophenylthiomethyl o,o-dimethyl ester (methyl trithion)									
2187		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorodithioic acid, s-6-chloro-2,3-dihydro-2-oxo-1,3-benzoxazol-3-ylmethyl o,o-diethyl ester (phosalone)									
2476		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
2488	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphorothioic acid, O,2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl ester (pirimiphos-methyl)									
1919	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphorothioic acid, O,O-diethyl O-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) ester (coumaphos)									
2654	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
phosphorothioic acid, O,O-diethyl S-2-(ethylthio)ethyl ester (disulfoton)									
1776	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphorothioic acid, O,O-dimethyl O-3,5,6-trichloro-2-pyridyl ester (chlorpyrifos methyl)									
1866	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphorothioic acid, O-(4-bromo-2,5-dichlorophenyl) OO-dimethyl ester, (bromophos)									
1971	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1978	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
phosphorothioic acid, O-2,5-dichloro-4-iodophenyl O,O-dimethyl ester (iodofenphos)									
2150	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion)									
1935		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1941	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1942		OV-1/SE-30	glass					standard	4
1961		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1989	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
2040		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphorothioic acid, OO-diethyl O-4-nitrophenyl ester (parathion-ethyl)									
1953		OV-1/SE-30	glass					standard	4
phosphorothioic acid, OO-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (diazinon)									
1758		OV-1/SE-30	glass					standard	4
1760		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1766	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1769	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1772		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phosphorothioic acid, OO-dimethyl O-2,4,5-trichlorophenyl ester (ronnel)									
1880		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1893		OV-1/SE-30	glass					standard	4
1897		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49

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phosphorothioic acid, OO-dimethyl O-4-nitrophenyl ester (parathion-methyl)									
1845		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1851		OV-1/SE-30	glass					standard	4
1856		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1905	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
phosphorothioic acid, S-2-ethylthioethyl OO-dimethyl ester (demeton-S-methyl)									
1628		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phosphorothioic acid, o,o-diethyl o-3,5,6-trichloro-2-pyridyl ester (dursban)									
1965		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
phthalic acid, butyl benzyl ester									
2287	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2290		OV-1/SE-30	glass					standard	4
2327		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, butyl ethyl ester									
1768		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, butyl hexyl ester									
2124		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, butyl isodecyl ester									
1950		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, butyl nonyl ester									
2415		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, butyl octyl ester									
2317		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, cyclohexyltridecyl ester									
2518		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, decyl ethyl ester									
2343		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, decyl octyl ester									
2876		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, decyl pentyl ester									
2602		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, di(2-ethylhexyl) ester									
2480	HP	Me silicone				25	helium	tap water	44
2504	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2505	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2506	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2507		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2509		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, di(butoxyethyl) ester									
2850		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, diallyl ester									
1698		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1712		OV-1/SE-30	glass					standard	4
phthalic acid, dibenzyl ester									
2690		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, dibutyl ester									
1903	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1911	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1913		OV-1/SE-30	glass					standard	4
1924		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1937		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1938		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1940		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27

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phthalic acid, dibutyl ester (cont)									
1955	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1965	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
phthalic acid, dicycloheptyl ester									
2735		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, dicyclohexyl ester									
2453		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2461		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2475		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, didecyl ester									
3067		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, diethoxyethyl ester									
2103		OV-1/SE-30	glass					standard	4
2135		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, diethyl ester									
1548	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1550	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1551	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1559	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1559	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1560	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1564		OV-1/SE-30	glass					standard	4
1568		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1581		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1583		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, diheptyl ester									
2494		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2495		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2497		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2500		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, dihexyl ester									
2305		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2306		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2308		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, diisobutyl ester									
1826	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1826	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1862	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1863		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1868		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1871	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1937		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
phthalic acid, diisodecyl ester									
2511		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, diisooctyl ester									
2525		OV-1/SE-30	glass					standard	4
phthalic acid, diisopentyl ester									
2122		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
phthalic acid, diisopropyl ester									
1633		OV-1/SE-30	glass					standard	4
1758		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
phthalic acid, dimethoxyethyl ester									
1980		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
phthalic acid, dimethyl ester									
1434		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1449	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
1453		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1457	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
phthalic acid, dinonyl ester									
2649		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2876		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, dioctyl ester									
2506	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2519		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2682		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2685		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2860		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
phthalic acid, dipentyl ester									
2120		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
2121		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2122		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2127		OV-1/SE-30	glass					standard	4
2140		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, diphenyl ester									
2550		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
phthalic acid, dipropyl ester									
1743		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1756		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1756		OV-101	glass	wall-coated open tubular	0.30	50	nitrogen	standard	27
1758		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, heptyl hexyl ester									
2404		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, heptyl nonyl ester									
2687		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, heptyl pentyl ester									
2310		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, hexyl octyl ester									
2497		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, isobutylcyclohexyl ester									
2159		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2174		OV-1/SE-30	glass					standard	4
phthalic acid, methyl undecyl ester									
2389		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, nonyl propyl ester									
2325		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phthalic acid, pentyl propyl ester									
1942		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
phytane									
1811		OV-1	glass	wall-coated open tubular	0.3	50	hydrogen	standard	35
1812	HP	Me silicone				25	helium	tap water	44
picloram (methylated)									
1908		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
picoline, beta (3-methylpyridine)									
0832	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0841		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
picoline, gamma (4-methylpyridine)									
0832	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
pimelic acid, dimethyl ester									
1313		SE-30		25%w/w on Celite				standard	19

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pinane, (+)cis-									
1002		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
pinene, (+)-gamma-									
0926	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pinene, (-)-beta-									
0965	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
pinene, alpha-									
0970		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
piperidine									
0790		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
piperidolate									
2316	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
pipradrol									
2105	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
pramoxine									
2248	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
prilocaine									
1800	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
pristane									
1709		OV-1	glass	wall-coated open tubular	0.3	50	hydrogen	standard	35
pristane, nor-									
1652		OV-1	glass	wall-coated open tubular	0.3	50	hydrogen	standard	35
procainamide									
2175	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
procaine									
1978	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2049	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
prochlorperazine									
2921	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
progesterone									
2793		OV-1/SE-30	glass					standard	4
promazine									
2266	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
promethazine									
2234	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
propanal									
0480		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propanal, 2-methyl									
0500		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
propane, 1,1,1,2,3,3,3-heptachloro									
1380		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,1,1,2-tetrachloro									
0918		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,1,2,3,3-pentachloro									
1119		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,1,2,3-tetrachloro									
1008		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,1,2-trichloro									
0827		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,2,2,3-tetrachloro									
0963		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,2,3-tribromo									
1148		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
propane, 1,2,3-trichloro									
0886	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0886	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0886	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0894		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,2-dibromo									
0835		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0842	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
0849	HP	OV1-1/SE-54	glass	bonded phase	0.31	25	hydrogen	standard	55
propane, 1,2-dichloro									
0666	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0667	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0679		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,3-dibromo									
0919		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1,3-dichloro									
0757	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
0757	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0757	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0759		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1-bromo									
0617		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1-bromo-3-chloro									
0841		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1-chloro									
0536		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1-chloro-2-methyl									
0608		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 1-iodo									
0702		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
0715		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propane, 1-nitro									
0707	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0712		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propane, 2,2-dibromo									
0754		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2,2-dichloro									
0604		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2,2-dimethyl-1,3-dichloro									
0875		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-bromo									
0565		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-bromo-1-chloro									
0747	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0747	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
0747	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
propane, 2-bromo-2-methyl									
0618		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-chloro									
0495		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-chloro-2-methyl									
0538		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-iodo									
0654		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, 2-iodo-2-methyl									
0698		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
propane, 2-nitro-1,1-bis(4-chlorophenyl) (prolan)									
2250		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
propane, 3-chloro-1,2-dibromo (nemagon, fumazone)									
1063		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propane, octachloro									
1580		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propanoic acid (propionic acid)									
0781		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
propanoic acid, -dihydroxyphenyl, trimethylsilyl derivative									
1946		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
propanoic acid, 2-(4-chloro-2-methylphenoxy) (mecoprop)									
1740	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
propanoic acid, 2-methyl, 2-propenyl ester (allyl isobutyrate)									
0815		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propanoic acid, 2-propenyl ester									
0770		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propanoic acid, 3(4-methoxyphenyl), trimethylsilyl derivative									
1630		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1637		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
propanoic acid, 3-(2-methoxyphenyl), trimethylsilyl derivative									
1590		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
propanoic acid, 3-(4-hydroxyphenyl), trimethylsilyl derivative									
1751		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1753		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, 3-phenyl, trimethylsilyl derivative									
1398		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1405		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, benzyl ester									
1237		SE-30		25%w/w on Celite				standard	19
propanoic acid, beta-(3-hydroxy-4-methoxyphenyl), trimethylsilyl derivative									
1871		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, beta-(3-hydroxyphenyl), trimethylsilyl derivative									
1717		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, beta-(3-indolyl), trimethylsilyl derivative									
1971		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
2053		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, beta-(4-hydroxy-3-methoxyphenyl), trimethylsilyl derivative									
1884		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
propanoic acid, cinnamyl ester									
1519		SE-30		25%w/w on Celite				standard	19
propanoic acid, ethyl ester									
0700		SE-30		25%w/w on Celite				standard	19
propanoic acid, vinyl ester									
0648		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propanol, 1-									
0530		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0561	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
propanol, 2-									
0480		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0515	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
0616		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
propanol, 2-methyl-1-									
0601		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0614	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12

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propanol, 2-methyl-2-									
0493		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0543	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
propanone (acetone)									
0475		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propanone, 1,1,3-trichloro-2-									
0936		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propanone, bromo-2-									
0751		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propanone, chloro-2-									
0627		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propen-1-ol, 2-									
0532	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
0534		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propenal (acrolein)									
0469		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propene, 1,1-dichloro									
0644		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 1-(2-methylphenyl)-1-									
1116		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 1-(3-methylphenyl)-1-									
1102		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1187	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
propene, 1-(4-methylphenyl)-1-									
1104		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 1-chloro-2-methyl-1-									
0614		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 2,3-dibromo									
0852		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 2,3-dichloro									
0684		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 2-(2-methylphenyl)-1-									
1061		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 2-(3-methylphenyl)-1-									
1066		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 2-(3-vinylphenyl)-1-									
1196		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 2-(4-methylphenyl)-1-									
1069		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 2-(4-vinylphenyl)-1-									
1218		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 2-methyl-3-phenyl-1-									
1022		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
propene, 3-bromo-1-									
0601		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 3-chloro-1-									
0526		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, 3-chloro-2-methyl-1-									
0620		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, cis-1,2,3-trichloro									
0852		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, cis-1,3-dichloro									
0724		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, cis-1-bromo-1-									
0582		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
propene, cis-1-chloro-1-									
0512		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, trans-1,2,3-trichloro									
0895		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, trans-1,3-dichloro									
0743		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, trans-1-bromo-1-									
0592		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propene, trans-1-chloro-1									
0521		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propenoic acid, 2-methyl, 2-methylpropyl ester (2-methylpropyl methacrylate)									
0928		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, 2-methyl, butyl ester (butyl methacrylate)									
0962		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, 2-methyl, ethyl ester (ethyl methacrylate)									
0756		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, 2-methyl, hexyl ester (hexyl methacrylate)									
1165		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, 2-methyl, methyl ester (methyl methacrylate)									
0677		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
0694		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propenoic acid, 2-methyl, pentyl ester (pentyl methacrylate)									
1064		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, 2-methyl, propyl ester (propyl methacrylate)									
0835		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0856		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, butyl ester (butyl acrylate)									
0873		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0878		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, ethyl ester (ethyl acrylate)									
0664		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
0676		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propenoic acid, hexyl ester (hexyl acrylate)									
1068		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, methyl ester (methyl acrylate)									
0569		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propenoic acid, pentyl ester (pentyl acrylate)									
0978		SE-30	aluminium	10%w/w on Celite 560 AW(60-80mesh)		3.6		standard	18
propionamide, (RS)-N,N-diethyl-2-(1-naphthyloxy) (devrinol)									
2100		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
propionanilide, 3',4'-dichloro (propanil)									
1816	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
propionate, ethyl									
0691		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propionic acid, 2-(2,4-dichlorophenoxyl) ester (dichlorprop)									
1756	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
propionic acid, 2-(N-(3-chloro-4-flourophenyl)benzamido)-, isopropyl ester (flampropisopropyl)									
2228	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
propoxycaine									
2307	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
propoxyphene									
2165	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
propranolol									
2111	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
proprionitrile									
0547		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
propyn-1-ol, 2-									
0546	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
propyne, 3-bromo-1-									
0631		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
propyne, 3-chloro-1-									
0545		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
protriptyline									
2207	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
pyrazine									
0696		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
0710	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
0710	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
0710	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0718		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
1179	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2,3,5-trimethyl									
0980		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0981	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,3-dichloro									
1032	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,3-diethyl									
1065	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,3-diethyl-5-methyl									
1137	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,3-dimethyl									
0897	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0897	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
0901		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
pyrazine, 2,3-dimethyl-5-(2-methylbutyl)									
1306	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-(2-methylpentyl)									
1377	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-isobutyl									
1200	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-isopentyl									
1317	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-isopropyl									
1112	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-pentyl									
1352	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,3-dimethyl-5-propyl									
1154	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2,5-dimethyl									
0889	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0981		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
pyrazine, 2,5-dimethyl-3-ethyl									
1059	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,5-dimethyl-3-propyl									
1142	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,5-dimethyl-5-ethyl									
1066	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60

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pyrazine, 2,6-dimethyl									
0889	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0889	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2,6-dimethyl-3-ethyl									
1064	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2,6-dimethyl-3-propyl									
1151	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-(1-methylbutyl)									
1133	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1133	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1471	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-(1-methylpropyl)									
1040	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1394	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-(2-methylbutyl)									
1151	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1151	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1527	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-(2-methylbutyl)-3,5,6-trimethyl									
1363	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-(2-methylpentyl)									
1240	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1240	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1606	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-(ethylpropyl)									
1121	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-acetyl									
0993	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0993	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-acetyl-3,5-dimethyl									
1153	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
1153	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-acetyl-3-ethyl									
1138	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1138	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-acetyl-3-methyl									
1061	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-acetyl-5-methyl									
1093	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-acetyl-6-methyl									
1088	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1089	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-butyl									
1088	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1088	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1474	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-butyl-3-methyl									
1121	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-chloro-3-ethyl									
1044	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-chloro-3-methyl									
0951	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-chloro-3-methyl-5-(2-methylbutyl)									
1371	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60

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pyrazine, 2-chloro-3-methyl-5-(2-methylpentyl)									
1456	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-chloro-5-isobutyl-3-methyl									
1264	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-chloro-5-isopropyl-3-methyl									
1173	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethoxy									
0959	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
0959	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1348	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-ethoxy-3-ethyl									
1101	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1101	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-ethoxy-3-methyl									
1029	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-ethoxy-3-methyl-5-(2-methylbutyl)									
1415	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethoxy-5-isobutyl-3-methyl									
1314	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethoxy-5-isopropyl									
1143	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-ethoxy-5-isopropyl-3-methyl									
1230	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethoxy-5-methyl									
1047	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-ethyl									
0894	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
0894	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1300	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-ethyl-3-methoxy									
1037	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-ethyl-3-methylthio									
1237	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-ethyl-5-methyl									
0980	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
0980	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-ethylthio									
1148	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1148	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1635	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-ethylthio-3-methyl									
1215	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethylthio-3-methyl-5-(2-methybutyl)									
1602	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethylthio-3-methyl-5-(2methylpentyl)									
1686	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethylthio-5-isobutyl-3-methyl									
1496	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-ethylthio-5-isopropyl-3-methyl									
1418	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-hexyl									
1293	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1293	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1668	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54

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pyrazine, 2-isobutyl									
1043	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1043	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1406	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-isobutyl-3,5,6-trimethyl									
1250	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1263	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-isobutyl-3-methoxy									
1078	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1160	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
pyrazine, 2-isopentyl									
1157	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1157	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1530	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-isopropyl									
0949	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
0969	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1316	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-isopropyl-3-methoxy									
1040		OV-101	quartz glass		0.30	50	helium	tap water	43
1076	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1078	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-isopropyl-3-methylthio									
1273	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
1273	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-methoxy									
0877	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0877	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1306	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-methoxy-3-methyl									
0954	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0954	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 2-methyl									
0801	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0801	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
0806		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
1235	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-methyl-3-octyl									
1586	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-methyl-3-phenoxy									
1465	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-methyl-3-propyl									
1072	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 2-methyl-5-(2-methylbutyl)-3-octyl									
1923	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-methyl-6-(2-methylbutyl)-3-octyl									
1962	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1985	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-methylthio									
1076	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1076	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1600	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-methyoxy-5-methyl									
0969	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60

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pyrazine, 2-octyl									
1495	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 2-pentyl									
1192	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
1192	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1575	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-phenoxy									
1415	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1415	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
2104	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-phenylthio									
1606	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1606	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
2400	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-propyl									
0986	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
0986	OgawaLtd	OV-101	quartz glass	bonded phase	0.22	50	nitrogen	standard	54
1374	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	54
pyrazine, 2-vinyl									
0907	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	31
pyrazine, 3-butyl-2,5-dimethyl									
1184	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 3-butyl-2,6-dimethyl									
1196	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 3-ethyl-2-methoxy									
1037	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 3-methyl 5-(2-methylpentyl)-2-(methylthio)									
1638	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-2-(methylthio)									
1151	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 3-methyl-2-(phenylthio)									
1658	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-2-methoxy-5-(2-methylbutyl)									
1362	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-2-methoxy-5-(2-methylpentyl)									
1444	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-5-(2-methylbutyl)-2-(methylthio)									
1552	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-5-(2-methylbutyl)-2-phenoxy									
1807	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 3-methyl-5-(2-methylpentyl)-2-(phenylthio)									
2064	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-butyl-2,3-dimethyl									
1254	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isobutyl-3-methyl-2-(methylthio)									
1446	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isobutyl-3-methyl-2-(phenylthio)									
1882	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isobutyl-3-methyl-2-methyox									
1257	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isobutyl-3-methyl-2-phenoxy									
1706	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isopropyl-3-methyl-2-(methylthio)									
1362	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pyrazine, 5-isopropyl-3-methyl-2-(phenylthio)									
1806	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isopropyl-3-methyl-2-methoxy									
1170	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-isopropyl-3-methyl-2-phenoxy									
1620	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-methyl-2-(methylthio)									
1163	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
pyrazine, 5-sec-butly-2,3-dimethyl									
1194	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-2-chloro-3-methyl									
1256	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-2-ethoxy-3-methyl									
1306	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-2-ethylthio-3-methyl									
1494	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-3-methyl-2-(methylthio)									
1441	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-3-methyl-2-(phenylthio)									
1874	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, 5-sec-butyl-3-methyl-2-phenoxy									
1694	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, chloro									
0861	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
0895		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
pyrazine, sec-butyl									
1040	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen		60
pyrazine, tetramethyl									
1067	OgawaLtd	OV-101	quartz glass	wall-coated open tubular	0.22	50	nitrogen	standard	60
1068		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
pyrazole, 4-chloro									
0867	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	air	6
pyrene									
1385	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1983		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2036		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
2061	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
2071	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
pyrene, cyclopenta(cd)									
2391	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
pyrene, methyl									
2231	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
pyribenzamine									
1980		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
pyridine									
0692		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
0732	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
0733		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
0743		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0745		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 2,3-dimethyl									
0940		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 2,4,6-trimethyl									
0982		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
pyridine, 2,4-dimethyl									
0924		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 2,5-dimethyl									
0926		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 2,6-dimethyl									
0876		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 2-chloro									
0870		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
pyridine, 2-methyl									
0814		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 3,4-dimethyl									
1000		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 3,5-dimethyl									
0972		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 3-chloro									
0890		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
pyridine, 3-methyl									
0859		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyridine, 4-cyano									
0955		OV-101	pyrex glass	Chromosorb W HP(silanised 80-100 mesh)	2	1	argon	standard	42
pyridine, 4-methyl									
0863		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
pyrilamine									
2200	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
pyrimidinedione, 3-chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)- (terbacil)									
1800		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
pyrimidinemethanol, alpha-cyclopropyl-alpha-(4-methoxyphenyl)-5-, methylated (a-rest methylated)									
2173		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
pyrrolidine									
0695		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
pyruvic acid, 2,5-dihydroxyphenyl lactone, trimethylsilyl derivative									
2021		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, 2-hydroxyphenyl lactone, trimethylsilyl derivative									
1650		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, 2-methoxyphenyl, trimethylsilyl derivative									
1860		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1950		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
1954		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, 3,4-dihydroxyphenyl, trimethylsilyl derivative									
2209		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
pyruvic acid, 3,4-dimethoxyphenyl, trimethylsilyl derivative									
2130		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
pyruvic acid, 3-hydroxyphenyl, trimethylsilyl derivative									
2000		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
pyruvic acid, 3-indolyl, trimethylsilyl derivative									
2430		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, 4-hydroxy-3-methoxyphenyl, trimethylsilyl derivative									
2167		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, 4-hydroxyphenyl, trimethylsilyl derivative									
2051		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20
2061		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
pyruvic acid, phenyl, trimethylsilyl derivative									
1702		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
1705		SE-30		13% w/w on Chromosorb W AW	5.50	2.4	nitrogen	standard	20

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
quinidine									
2745	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2807	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
quinine									
2741	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
2815	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
quinoline									
1227		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
1247		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
quinoline, 2,4-dimethyl									
1418		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
1446		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
quinoline, 2,6-dimethyl									
1399		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinoline, 2,7-dimethyl									
1399		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
1425		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
quinoline, 2-methyl									
1293		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinoline, 4-methyl									
1357		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinoline, 5-amino									
1598		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
quinoline, 6-methyl									
1335		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinoline, 7-methyl									
1334		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinoline, 8-methyl									
1304		OV-101	glass	wall-coated open tubular	0.23	20	nitrogen	standard	58
quinone, 2,6-di-tert-butyl									
1440	HP	Me silicone				25	helium	tap water	44
retene									
2187	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
salicylic acid, ethyl ester									
1261		SE-30		25%w/w on Celite				standard	19
salicylic acid, hexyl ester									
1684		SE-30		25%w/w on Celite				standard	19
salicylic acid, methyl ester									
1163	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
1181		SE-30		25%w/w on Celite				standard	19
1193		OV-1/SE-30	glass					standard	4
salicylic acid, octyl ester									
1895		SE-30		25%w/w on Celite				standard	19
salicylic acid, pentyl ester									
1535		SE-30		25%w/w on Celite				standard	19
sebacic acid, di(2-ethylhexyl) ester									
2792		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, dibenzyl ester									
2135		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, dibutoxyethyl ester									
2700		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, dibutyl ester									
2137		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2137		OV-1/SE-30	glass					standard	4

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
sebacic acid, diethoxyethyl ester									
2270		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, diethyl ester									
1746		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, dimethyl ester									
1645		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
sebacic acid, dioctyl ester									
2782		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
secobarbitone									
1786	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
simazine									
1711		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
1722	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
sitostenone									
3215		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
sitosterol									
3105		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3193		OV-1/SE-30	glass					standard	4
3285		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3290		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
spinasterol, alpha-									
3270		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
spinasterone, alpha-									
3295		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
stigmastanol									
3290		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3290		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3300		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
stigmastanone									
3315		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3315		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3325		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3395		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
3405		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
stigmasterol									
3234		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
3240		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
stigmasterone									
3355		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
stilbene, trans-									
1755		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
strychnine									
3058	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
3063	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
styrene, (vinylbenzene)									
0868	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
0875		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0876		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0880		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
0886		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
styrene, 2,4-dimethyl									
1080		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1083		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
styrene, 2,5-dimethyl									
1076		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
1080		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8

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styrene, 2,6-dimethyl									
1060		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
1118		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
styrene, alpha-methyl									
0963		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0964		SE-30	glass	wall-coated open tubular	0.50	25	helium	standard	14
0968		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
styrene, beta-methyl									
1011		SE-30	quartz glass	wall-coated open tubular	0.20	50	nitrogen	standard	8
suberic acid, dimethyl ester									
1416		SE-30		25%w/w on Celite				standard	19
succinic acid, diethyl ester									
1139		SE-30		25%w/w on Celite				standard	19
succinic acid, dimethyl ester									
1002		SE-30		25%w/w on Celite				standard	19
sulphide, benzylmethyl									
1147		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphide, bis(2-chloroethyl) (Mustard)									
1124	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
sulphide, dibutyl									
1057		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, didecyl									
2295		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, diethyl (3-thiapentane)									
0681	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0683		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0685	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
sulphide, diheptyl									
1682		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, dihexyl									
1473		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, dimethyl (methylthiomethane)									
0505		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0509		SE-30	glass	Chromosorb W DCMS (100-120 mesh)	2.4	1.5	nitrogen	standard	36
sulphide, dinonyl									
2091		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, dioctyl									
1885		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, dipentyl									
1268		SE-30	glass	5% on Chromaton N AW HMDS (80-100mesh)	2.00	1.8	nitrogen	standard	26
sulphide, dipropyl									
0884	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0890	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
sulphide, ethylpropyl									
0783		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphide, methylallyl									
0672		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphide, methylisopropyl									
0650		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphide, methylpentyl									
0910		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphide, methylphenyl									
1068		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32

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sulphide, methylpropyl									
0696		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
sulphonamide, N-butyl									
1710	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1712	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
sulphone, dimethyl									
0851	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
sulphoxide, dimethyl									
0787	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
supracide oxygen analog									
1957		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
systox thiol isomer sulfoxide									
1706		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
systox thiono isomer sulfoxide									
1598		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
terephthalic acid, butyl octyl ester									
2465		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, decyl ethyl ester									
2455		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, dibutyl ester									
2058		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2060		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2066		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
terephthalic acid, diethyl ester									
1649		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1650		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, diheptyl ester									
2661		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2665		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, dihexyl ester									
2460		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2463		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
2469		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, diisobutyl ester									
1972		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
terephthalic acid, dimethyl ester									
1475		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1520		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
terephthalic acid, dimethyl ester, 2,3,5,6-tetrachloro (DCPA)									
1960		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
terephthalic acid, dipentyl ester									
2258		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
2261		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, dipropyl ester									
1850		OV-101	glass	wall-coated open tubular	0.30	50	hydrogen	standard	27
1851		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, heptyl pentyl ester ester									
2466		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, methyl undecyl ester									
2483		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terephthalic acid, nonyl propyl ester									
2459		SE-30	glass	wall-coated open tubular	0.30	42	helium	standard	27
terphenyl, 1,4-									
2208		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
2208	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
terphenyl, 4-nitro-p-									
2696	SGE	SE-30	quartz glass	wall-coated open tubular	0.33	25	nitrogen	standard	30
terpineol (mixed isomers)									
1127		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1170		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1183		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
terpineol, alpha-									
1205		SE-30	stainless steel	10%w/w on Chromosorb W HMDS(60-80mesh)	3.20	6.1	nitrogen	standard	13
testosterone									
2620		OV-1/SE-30	glass					standard	4
tetracaine									
2197	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
tetracosane									
2400	HP	Me silicone				25	helium	tap water	44
tetradecanal									
1593	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1593	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1593	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
tetradecane									
1400	HP	Me silicone				25	helium	tap water	44
tetradecane, 1-bromo									
1762		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
tetradecane, 1-chloro									
1662	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
1662	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1674		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
tetradecane, 2,6,10-trimethyl									
1555		SE-30	stainless steel	wall-coated open tubular				standard	15
tetradecane, 2-methyl									
1462		SE-30	stainless steel	wall-coated open tubular				standard	15
tetradecane, 3,7,11-trimethyl									
1566		SE-30	stainless steel	wall-coated open tubular				standard	15
tetradecane, 3-methyl									
1469		SE-30	stainless steel	wall-coated open tubular				standard	15
tetradecanoic acid, ethyl ester									
1172		OV-101	glass	wall-coated open tubular	0.28	80	nitrogen	food	46
1780		SE-30		25%w/w on Celite				standard	19
tetradecanoic acid, methyl ester, (methyl myristate)									
1714		SE-30		25%w/w on Celite				standard	19
1715		OV-1/SE-30	glass					standard	4
tetradecanoic acid, propyl ester, (propyl myristate)									
1859		OV-1/SE-30	glass					standard	4
tetradecene, 1-									
1389	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
tetrasulphide, dimethyl									
1202		SE-30	glass	Chromosorb W DCMS (100-120 mesh)	2.4	1.5	nitrogen	standard	36
thenyldiamine									
1963	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
theophylline									
1962	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
thiadiazine-2-thione, tetrahydro-3,5-dimethyl-1,3,5- (dazomet)									
1676	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
thianaphthene									
1161	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1200		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
thianthrene									
1901		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
thiethylperazine									
3210	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
thiocarbamic acid, s-2,3-dichloroallyl di-isopropyl ester (avadex 11, diallate)									
1713		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
thiodan 1									
2087		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
thiodan 11									
2187		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
thiophene									
0645	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0647	SAC	OV-1	quartz glass	bonded phase	0.3	50	helium	standard	3
0650		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 2,5-dimethyl									
0854		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 2-ethyl									
0851		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1120		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 2-methyl									
0755		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0757	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
thiophene, 2-methylthio									
1020		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 2-propyl									
0896		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 3-ethyl									
0862		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 3-methyl									
0763		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thiophene, 3-methylthio									
1060		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
thioridazine									
3080	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
thonzylamine									
2172	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
tigogenin									
3260		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
tigogenone									
3295		OV-1	glass	1% w/w on Gas-Chrom Q (100-120mesh)	3.00	3.0		standard	25
tok									
2159		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
toluene, 2,4-dinitro									
1468	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 2,6-dinitro									
1392	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 2-chloro									
0931	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 2-chloro-4-nitro									
1316	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 3-chloro									
0932	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
toluene, 4-chloro									
0936	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 4-chloro-2-nitro									
1268	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 4-chloro-3-nitro									
1312	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, 4-isobutyl									
1141	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
toluene, 6-chloro-2-nitro									
1259	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, alpha,alpha-dichloro (benzal chloride)									
1106	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, alpha-chloro (benzyl chloride)									
0983	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluene, butylated hydroxy isomer									
1490		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1494		SE-30	glass	3% on Chromosorb W HMDS (80-100 mesh)	2.0	2.9		standard	34
toluidine, 2-chloro-p-									
1252	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, 3-chloro-o-									
1182	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, 4-chloro-o-									
1256	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, 5-chloro-o-									
1256	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, 6-chloro-m-									
1201	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, 6-chloro-o-									
1249	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl-p- (trifluralin)									
1660	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1668		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
torak oxygen analog									
2482		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triacetin (glyceryl triacetate)									
1282		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
triazine, 2,4,6-trichloro-1,3,5- (cyanuric chloride)									
1051	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
triazine, 2-(sec-butylamino)-4-(ethylamino)-6-methoxy-s- (sumitol)									
1777		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triazine, 2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5- (cyanazine, Bladex, Fortrol)									
1951		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triazine-2,4-diamine, 2-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5- (atrazine)									
1699	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1705		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
1710	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1711	HP	Me silicone	quartz glass		0.20	25	helium	standard	47
1724		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)-1,3,5- (propazine)									
1713	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1735		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triazine-2,4-diamine, 6-chloro-N,N'-diethyl-1,3,5- (simazine)									
1690		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1

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triazine-2,4-diamine, N,N'-bis(1-methylethyl)-6-(methylthio)-1,3,5-, (prometryne)									
1853		OV-1/SE-30	glass					standard	4
1883		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
triazine-2,4-diamine, N-(1,1-dimethylethyl)-N'-ethyl-6-(methylthio)-1,3,5-, (terbutryne)									
1906	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
1940		OV-1/SE-30	glass					standard	4
triazine-2,4-diamine, N-ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-, (ametryne)									
1775		OV-1/SE-30	glass					standard	4
triazine-2,4-diamine, N-methyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-, (desmetryne)									
1795		OV-1/SE-30	glass					standard	4
triazine-2-amine, 4,6-dichloro-N-(2-chlorophenyl)-1,3,5- (Dyrene)									
2010		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
triazine-2-amine, 4,6-dichloro-N-(2-chlorophenyl)-1,3,5- (anilazine)									
2010		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
tribenzylamine									
2271		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
tribromoacetic acid, 1,1-dimethylpropyl ester									
1428	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 1,2-dimethylpropyl ester									
1446	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 1-methyl-3-butenyl ester									
1436	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, 1-methylbutyl ester									
1458	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 1-methylpropyl ester									
1366	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 2-methylpropyl ester									
1387	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 2-propenyl ester									
1308	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, 2-propynyl ester									
1322	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, 3-butenyl ester									
1405	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, 3-methylbutyl ester									
1492	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, 4-pentenyl ester									
1513	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, cis-3-hexenyl ester									
1629	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tribromoacetic acid, dimethylethyl ester									
1297	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, methylethyl ester									
1259	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
tribromoacetic acid, trans-3-hexenyl ester									
1623	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tributyrin (glyceryl tributyrate)									
1552		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
trichloroacetic acid, 1,1-dimethylpropyl ester									
1147	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 1,2-dimethylpropyl ester									
1163	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 1-methyl-3-butenyl ester									
1157	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10

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trichloroacetic acid, 1-methylbutyl ester									
1178	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 1-methylpropyl ester									
1091	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 2-methylpropyl ester									
1106	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 2-propenyl ester									
1027	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
trichloroacetic acid, 2-propynyl ester									
1039	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
trichloroacetic acid, 3-butenyl ester									
1122	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
trichloroacetic acid, 3-methylbutyl ester									
1208	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, 4-pentenyl ester									
1228	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
trichloroacetic acid, cis-3-hexenyl ester									
1342	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
trichloroacetic acid, dimethylethyl ester									
1035	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, methylethyl ester									
0995	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	12
trichloroacetic acid, trans-3-hexenyl ester									
1337	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	10
tricosane									
2300	HP	Me silicone				25	helium	tap water	44
tridecanal									
1492	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1492	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
1492	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
tridecane, 1-bromo									
1658		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
tridecane, 2,6,10-trimethyl									
1463		SE-30	stainless steel	wall-coated open tubular				standard	15
tridecane, 3,7,11-trimethyl									
1480		SE-30	stainless steel	wall-coated open tubular				standard	15
tridecene, 1-									
1289	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
trifluroperizine									
2641	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
trihexyphenidyl									
2211	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
trimethoprim									
2514	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
trioxane, 2,4,6-trimethyl-1,3,5-, (paraldehyde)									
1040	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	standard	3
1040	Hall	OV-1	quartz glass	bonded phase	0.30	50	helium	essential oil	3
tripelennamine									
1949	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23
triphenylamine									
2055		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
triphenylene									
2405	HP	Me silicone	quartz glass	bonded phase	0.20	12		standard	56
triprolidine									
2224	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
triptylene									
2224		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
trisulphide, bis(2-chloroethyl)									
1562	J&W SCI	DB-1	quartz glass	wall-coated open tubular	0.32	15	helium	standard	41
trisulphide, dimethyl									
0948		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
0948		OV-101	quartz glass		0.30	50	helium	tap water	43
0954		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
0972		SE-30	glass	Chromosorb W DCMS (100-120 mesh)	2.4	1.5	nitrogen	standard	36
tryptamine									
1750		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
tryptophan, N-acetyl, trimethylsilyl derivative									
2400		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
tyramine									
1405		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
tyrosine, N-acetyl, trimethylsilyl derivative									
2129		OV-1		10% w/w on Diatoport S (80-100mesh)	4.00	1.5	argon	standard	21
undecadien-2-one, 6,10-dimethyl-5,9-									
1430	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
undecane, 1-bromo									
1449		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
undecane, 1-chloro									
1364		Me silicone	quartz glass	wall-coated open tubular	0.2	50	nitrogen	standard	40
undecane, 2,6,10-trimethyl									
1275		SE-30	stainless steel	wall-coated open tubular				standard	15
undecane, 2,6-dimethyl									
1215		SE-30	stainless steel	wall-coated open tubular				standard	15
1216	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
undecane, 2-methyl									
1165	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
undecanoic acid, methyl ester									
1408	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1410		SE-30		25%w/w on Celite				standard	19
undecanol									
1288	Supelco	SP-2100	glass	wall-coated open tubular				tap water	5
undecanol, 1-									
1350	SGE	SE-30	quartz glass	wall-coated open tubular	0.30	25	nitrogen	standard	11
undecene, 1-									
1052		SE-30	glass	wall-coated open tubular	0.5	100	helium	standard	32
1088	Quadrex	OV-101	glass	wall-coated open tubular	0.25	108	helium	standard	2
urea, 1,1-dimethyl-3-(perhydro-4,7-methanoinden-5-yl) (noruron, norea, Herban)									
1941		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
urea, 3-(3,4-dichlorophenyl)-1-methyoxy-1-methyl (linuron)									
1903	SAC	OV-1	quartz glass	bonded phase	0.32	50	hydrogen	standard	28
1927		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
urea, 3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methyl (chlorbromuron)									
1408	PEC	SE-30	quartz glass	3% w/w on Chromosorb W HP (80-100mesh)	5	2	nitrogen	standard	53
urea, 3-(p-chlorophenyl)-1,1-dimethyl (monuron)									
1100		OV-1/SE-30	glass					standard	4
urea, 3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethyl (chloroxuron)									
1895		DB-1	quartz glass	bonded phase	0.25	15	helium	standard	49
valeric acid, ethyl ester									
0884		SE-30		25%w/w on Celite				standard	19

LTP INDEX	COLUMN ORIGIN	STATIONARY PHASE	COLUMN MATERIAL	COLUMN TYPE	ID (mm)	LEN (m)	CARRIER GAS	SAMPLE TYPE	LIT REF
valeric acid, methyl ester									
0808		SE-30		25%w/w on Celite				standard	19
valeronitrile									
0745		SE-30		15% w/w on Gas-Chrom Q (100-120 mesh)	2.0	2		standard	38
xanthine, 3-isobutyl-1-methyl									
2150		OV-1	glass	3% w/w on Chromosorb W HP (80-100mesh)	3.00	4	helium	standard	1
zolamine									
2193	J&W Sci.	SE-30	quartz glass	wall-coated open tubular	0.25	15	helium	standard	23

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