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3. Part 60 is amended by adding appendix J to read as follows:

Appendix J to Part 60 -- How to Determine Henry's Law Constants, Fm Values, Fr Values, and Fe Values for organic Compounds

1. Use of Appendix and General Information. This appendix has four sections. Section 2 contains the procedures for determining Henry's law constants, fraction measured (Fm) values, fraction removed (Fr) values, and fraction emitted (Fe) values for an individual chemical. Section 3 describes how to locate certain resources. Section 4 contains five tables and thirteen forms.

You should use this appendix if you need to:

1. Determine whether a chemical has a Henry's law constant at 25° C that is less than 0.1 y/x atmosphere per mole fraction (see section 2.1).
2. Determine a fraction measured (Fm) value for a chemical (see section 2.2).
3. Subtract the concentration of a chemical from a Method 25D concentration (see section 2.3).
4. Determine the fraction removed (Fr) value for a chemical that has a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x atmosphere per

mole fraction (see section 2.4).

5. Determine the fraction emitted (Fe) value for a chemical that has a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x atmosphere per mole fraction (see section 2.5).

6. Calculate a Henry's law constant at a specific temperature using a Henry's law constant at a different temperature for the same chemical (see section 2.6).

This appendix requires documentation for some procedures. The referencing subpart, i.e., the rule with which you are complying, may require additional recordkeeping and may specify records concerning this appendix that are to be included in reports.

When the term "WATER9" is used in this appendix, the term "WATER9, or updates to WATER9" must be used for the purposes of this appendix. When the term "waste" or "wastewater" is used in this appendix, the term "waste or wastewater, as applicable to the referencing subpart" must be used for the purposes of this appendix. When the term "Henry's law constant" or "Henry's law constants" is used in this appendix, the term "Henry's law constant(s) with units of atmosphere per mole fraction" must be used for the purposes of this appendix.

2. Procedures.

2.1 How to determine whether a chemical has a Henry's law

constant at 25° C that is less than 0.1 y/x. You must use one of the following to determine whether a chemical has a Henry's law constant that is less than 0.1 y/x atmosphere per mole fraction.

2.1.1 Use Table 1. The chemicals listed in Table 1 have a Henry's law constant at 25° C that is less than 0.1 y/x atmosphere per mole fraction.

2.1.2 Use WATER9. Use WATER9 to determine the Henry's law constant at 25° C. You must know compound properties, such as solubility in water and vapor pressure, and the structure of the compound to estimate a Henry's law constant using WATER9.

2.1.3 Determine experimentally. The Henry's law constant may be measured by several laboratory techniques. These techniques can be categorized as either two phase closed system techniques or open system techniques. In addition to the methods described below for specific compounds, 40 CFR Part 63 Appendix C provides procedures for calculating Henry's laws for nonspeciated OWC in laboratory tests.

2.1.3.1 Two phase closed systems. For two phase closed system techniques, the volume of each phase and two concentration measurements are needed. The concentration measurements are: (1) concentration in one of the phases, and (2) either the concentration in the other phase or the total concentration in both phases. Use Form 1 to calculate the Henry's law constant for two phase closed systems.

2.1.3.2 Open systems. For open systems, gas is passed through a liquid volume containing the compound. The Henry's law constant is calculated from the rate of stripping of the compound from the water. Use Form 2 to calculate the Henry's law constant for open systems.

2.1.4 Calculate a Henry's law constant at 25° C from a Henry's law constant at a different temperature for the same chemical. Use the procedures specified in section 2.6 to calculate a Henry's law constant at 25° C from a Henry's law constant at a different temperature for the same chemical.

2.1.5 Obtain a Henry's law constant at 25° from an appropriate documented literature value. Values of Henry's law constants at 25° C or at other temperatures for some chemicals are available in data bases or reported in the literature. You must provide the reference for and description of any data base or literature you used.

2.2 How to determine an Fm value for a chemical. Fm means compound-specific fraction measured factor, and it has the units of mass measured by Method 25D divided by the total mass in the wastewater. You must use one of the following to determine the Fm value for a chemical.

2.2.1 Use Table 1 or Table 2. To determine the Fm value for a chemical with a Henry's law constant at 25° C that is less than 0.1 y/x atmosphere per mole fraction, use the Fm value

listed for the chemical in Table 1. To determine the Fm value for a chemical with a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x, use the Fm value listed for the chemical in Table 2. (Note to section 2.2.1 of appendix J to part 60: Tables 1 and 2 include Fm values for Method 25D and for Method 305. Unless otherwise specified in this appendix or the referencing subpart, use the Fm values for Method 25D.)

2.2.2 Use WATER9. Use WATER9 to determine a Fm value. You must know the structure of the chemical and certain other compound properties; e.g., boiling point, Antoine's coefficients, vapor pressure, and solubility in water, to estimate an Fm value using WATER9. The accuracy of the computer estimation procedure depends on the nature of the compound and the quality of the available data.

The procedure is flexible in that the method can be used with a variety of different types of compound data. You must confirm and document the compound properties used as inputs for WATER9 and the lack of availability for missing compound properties. In some cases, this method is not accurate, especially with missing compound properties. Before accepting the estimation values of WATER9 in these cases, you must document the consistency of the predicted values with other related experimental data.

2.2.3 Measure the Fm value. Spike a sample of waste with a

known amount of the compound of interest. Measure the concentration of the sample using Method 25D. The Fm value for the recovery of a specific chemical is the ratio of the Method 25D concentration to the actual concentration in the waste sample. You must minimize loss of organic compounds during sample collection and analysis, and maintain sample integrity. An example of acceptable sampling and handling procedures are the sampling and handling requirements in Method 25D.

2.2.4 Extrapolating a Method 25D Fm value from a Method 305 Fm value.

Method 305 measures the recovered concentration, not the actual concentration in the wastewater. The Method 25D correction value may be obtained from the Method 305 value and the ratio of the Method 25D value to the Method 305 value for that compound. This ratio for a compound is independent of the wastewater and may be determined once for each compound.

2.3 How to subtract a chemical from a Method 25D concentration. You must follow the procedures specified in sections 2.3.1 through 2.3.4 to subtract a chemical's concentration from the total concentration measured by Method 25D. You may only subtract from the total Method 25D concentration compounds for which you have a measured concentration (i.e., you must not subtract compounds for which test results are below the quantification limit.) If a Fm value

cannot be determined for a chemical, the concentration of the chemical may not be subtracted from the Method 25D results. You must follow the procedures in Form 3 to subtract a chemical from a Method 25D concentration. Form 4 provides an example.

2.3.1 Determine the M25D concentration for the required number of samples. Obtain at least the minimum number of samples required by the referencing subpart. Report the 25D concentration results in Form 3. Calculate an average concentration of the samples taken.

2.3.2 Determine the concentration for each chemical in the wastewater stream that will be subtracted from the Method 25D concentration. The concentration for each chemical must be determined using a method and sampling procedure specified in the referencing subpart. Methods other than Method 25D and Method 305 are considered alternative methods for the purposes of this appendix.

2.3.3 Determine the correct Fm value. If a Fm value is needed, use the procedures in section 2.2 of this appendix to determine the correct Fm value.

2.3.4 Adjust the concentration of chemicals which may be subtracted from the Method 25D concentration. You must multiply the concentration of the chemical measured by the alternative method (i.e., a method that is not Method 25D or Method 305 and that is specified in the referencing subpart) by the Method 25D

Fm. The product will be the adjusted concentration for that chemical. This adjustment must be done for each chemical you subtract from the concentration measured by Method 25D.

2.3.5 Subtract. Subtract the product(s) you calculated from the Method 25D concentration.

2.4 How to determine an Fr value for a chemical with a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x. Fr means fraction removed value and is unitless. You must use one of the following to determine an Fr value.

2.4.1 Use Table 2. Use the Fr value listed for the chemical in Table 2. The chemicals listed in Table 2 have a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x.

2.4.2 Use 0.99. Assign an Fr value of 0.99 to any chemical. This is the highest Fr value that is assigned to a chemical.

2.4.3 Use WATER9. Use WATER9 to determine the Fr value of a chemical. You must know the compound structure and the Henry's law constant at 100° C to estimate an Fr value using WATER9. The Henry's law constant at 100° C for a chemical must be determined as specified in either section 2.4.3.1, 2.4.3.2, or 2.4.3.3. The method used to determine the Henry's law constant at 100° C for a chemical must be documented.

2.4.3.1 Determine Henry's law at 100° C experimentally.

The Henry's law constant may be measured by any of several laboratory techniques. These techniques can be categorized as either two phase closed system techniques or open system techniques.

2.4.3.1.1 Two phase closed systems. For two phase closed system techniques, the volume of each phase and two concentration measurements are needed. The concentration measurements are: (1) concentration in one of the phases, and (2) either the concentration in the other phase or the total concentration in both phases. Use Form 1 to calculate the Henry's law constant for two phase closed systems.

2.4.3.1.2 Open systems. For open systems, gas is passed through a liquid volume containing the compound. The Henry's law constant is calculated from the rate of stripping of the compound from the water. Use Form 2 to calculate the Henry's law constant for open systems.

2.4.3.2 Calculate a Henry's law constant at 100° C from a Henry's law constant at a different temperature for the same chemical. Use the procedures in section 2.6 to calculate a Henry's law constant at 100° C from a Henry's law constant at a different temperature for the same chemical.

2.4.3.3 Literature Value. Experimental values of Henry's law constants at 100° C for some chemicals are available in data bases or reported in the literature. You must provide the

reference for and description of any data base or literature you used.

2.5 How to determine an Fe value for a chemical that has a Henry's law constant at 25° C that is greater than or equal to 0.1 y/x. Fe means fraction emitted and is unitless. Use the appropriate Fe value as specified in the referencing subpart.

2.5.1 Default Fe values for emissions from both the individual drain system and the treatment process. You must measure the temperature of the wastewater stream at the point of determination, unless another location is specified by the referencing subpart. If the temperature of the wastewater stream is less than or equal to 35° C, you may use the default Fe values listed in either Table 2 or 3. If the temperature of the wastewater stream is greater than 35° C, you must use the default Fe values listed in Table 3.

2.5.1.1 Use Table 2. To use Table 2, use the default Fe value listed for the chemical in Table 2.

2.5.1.2 Use Table 3. You must either use a default Fe value listed in Table 3 or use Table 3 to interpolate an Fe value. To use Table 3, you must determine the chemical's Henry's law constant at the temperature you measured for the wastewater stream. You must find this Henry's law constant in the table and select an Fe value greater than or equal to the Fe value that corresponds to the Henry's law constant.

2.5.2 Site-specific Fe values for emissions from the individual drain system. Use WATER9 and Forms 6 and 7 for each type of waste management unit modeled and Forms 8 through 13, as appropriate, for the different types of waste management units. (Note that this Fe value does not include Fe values for the treatment process.)

2.5.3 Default Fe values for emissions from the biological treatment process (Fet). The default Fe values in Tables 4 and 5 are Fe values for the biological treatment system (i.e., the wastewater treatment plant) and have been assigned the abbreviation "Fet." You must measure the temperature of the wastewater stream(s) treated in the biological treatment system at the inlet to the biological treatment system (e.g., at the bar screen). If the temperature of the wastewater stream(s) is less than or equal to 35^{o} C, you must use either Table 4 or 5 to determine the Fet value. If the temperature of the wastewater stream is greater than 35^{o} C, you must use Table 5 to determine the Fet value.

2.5.3.1 Use Table 4. To use Table 4, use the default Fet value listed for the chemical in Table 4.

2.5.3.2 Use Table 5. To use Table 5, you must either use a default Fet listed in Table 5 or use Table 5 to interpolate an Fet value. You must determine the chemical's Henry's law constant at the temperature you measured for the wastewater

stream. You must find this Henry's law constant in the table and select an Fet value greater than or equal to the Fet value that corresponds to the Henry's law constant.

2.6 How to calculate a Henry's law constant from a Henry's law constant at a different temperature for the same chemical. Use WATER9 and Form 5 to estimate a Henry's law constant from a Henry's law constant at a different temperature for the same chemical.

3. Location of resources.

3.1 Where to find information on WATER9.

3.1.1 WATER9 access via Internet. You can find WATER9 on the Internet by accessing EPA's Technology Transfer Network (TTN) via the Internet. The Internet address is http://www.epa.gov/ttn/chief/software.html. If you need more information on the TTN, contact the systems operator at (919) 541-5384.

3.1.2 Procedures used in WATER9. Reports describing the WATER9 procedures for estimating Fm, Fr, and Fe values are in Docket Number A-94-32, Item IV-B-6. The data base for WATER9 is not available as a hard copy.

Docket No. A-94-32 is available for public inspection and copying between 8:00 a.m. and 5:30 p.m., Monday through Friday, at the EPA's Air and Radiation Docket and Information Center, Waterside Mall, Room M-1500, first floor, 401 M Street SW,

Washington, DC 20460, or by calling (202) 260-7548 or 260-7549. A reasonable fee may be charged for copying.

3.2 Methods. Method 25D can be found in 40 CFR part 60, appendix A. Method 305 can be found in 40 CFR part 63, appendix A.

4. Tables and Forms. This section contains 5 tables and 13 forms.

TABLE 1 OF APPENDIX J--FM VALUES FOR HENRY'S LAW CONSTANTS AT 25° C THAT ARE LESS THAN 0.1 (Y/X) ATMOSPHERES PER MOLE FRACTION (use with Section 2.1)

Compound	CAS	Y/X	Fm25D	Fm 305
1 HYDROXY 2 METHYL BENZENE (O-CRESOL)	95-48-7	0.066930	0.0569	0.0551
1 HYDROXY 3 METHOXYBENZENE (GUAICOL)	90-05-1	0.061050	0.0043	0.0048
1 HYDROXY 3 METHYLBENZENE (M-CRESOL)	108-39-4	0.047040	0.0345	0.0334
1 HYDROXY 4 METHYLBENZENE (P-CRESOL)	106-44-5	0.042730	0.0281	0.0271
1 NITROOXY 2 BUTANOL		0.009578	0.0058	0.0124
1 NITROOXY 2 PROPANOL		0.005050	0.0088	0.0231
1-(PHENYLAZO)-2-NAPHTHALENOL	842-07-9	0.000000	0.0000	0.0000
1,1'-BIPHENYL, 4,4'-DIISOCYANATO-3,	91-97-4	0.000006	0.0003	0.0003
1,2 PROPANEDIOL	57-55-6	0.000670	0.0047	0.0076
1,2,3 BUTANETRIOL	4435-50-1	0.000467	0.0001	0.0001
1,2,3,4 TETRAHYDROXY BUTANE	7541-59-5	0.000000	0.0000	0.0000
1,2,3,4,5 PENTAHYDROXY HEPTANE		0.000000	0.0000	0.0000
1,2,3,4,5 PENTAHYDROXY PENTANE	6917-36-8	0.000000	0.0000	0.0000
1,2,3,4,5,5 HEXAHYDROXYCYCLOHEXANE		0.000000	0.0000	0.0000
1,2,3,4,5,6 HEXAHYDROXY HEPTANE		0.000000	0.0000	0.0000
1,2,3,4,5,6 HEXAHYDROXYHEXANE	45007-61-2	0.000000	0.0000	0.0000
1,2,3,4,6 PENTAHYDROXY HEPTANE		0.000000	0.0000	0.0000

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
1,2,3,4,7 PENTAHYDROXY HEPTANE		0.000000	0.0000	0.0000
1,2,4 BENZENETRICARBOXYLIC ACID	528-44-9	0.000000	0.0000	0.0000
1,2,4 BUTANETRIOL	3068-00-6	0.000000	0.0002	0.0004
1,2,4,5 TETRAHYDROXYCYCLOHEXANE	35652-37-32	0.000000	0.0000	0.0000
1,2,6 HEXANETRIOL	106-69-4	0.000000	0.0001	0.0001
1,3 PROPANEDIOL	504-63-2	0.000250	0.0012	0.0021
1,3,5-TRIAZINE, HEXAHYDRO-1,3,5-TRI	121-82-4	0.000001	0.0000	0.0000
1,4 BUTANEDIOL	110-63-4	0.000020	0.0006	0.0009
1,4 DIAMINOBUTANE (PUTRESCINE)	110-60-1	0.000453	0.0111	0.0155
1,4-DIISOCYANATOBENZENE*	104-49-4	0.000036	0.0086	0.009
1,5 DIAMINOPENTANE (CADAVERINE)	462-94-2	0.000411	0.0083	0.0108
1,5 PENTANEDIOL	111-29-5	0.000014	0.0006	0.0009
1,6 HEXANEDIOL	629-11-8	0.000019	0.0036	0.0046
1,7 HEPTANEDIOL	629-30-1	0.000028	0.0029	0.0036
1-AMINO-2-METHYL-9,10-ANTHRACENEDIO	82-28-0	0.000000	0.0000	0.0000
1-OCTANESULFONIC ACID, 1,1,2,2,3,3,	1763-23-1	0.000667	0.3471	0.3172
1-OCTANESULFONIC ACID, 1,1,2,2,3,3,	2795-39-3	0.000007	0.0003	0.0003
2 AMINO ACETOPHENONE	551-93-9	0.000190	0.0019	0.002
2 CHLOROBENZOIC ACID	118-91-2	0.003610	0.0103	0.0109
2 ETHOXYETHANOL (CELLOSOLVE)	110-80-5	0.040000	0.1441	0.207

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
2 ETHYL 1,3 HEXANEDIOL	94-96-2	0.000028	0.0052	0.0061
2 METHYL 1,3 PENTANEDIOL	149-31-5	0.000019	0.0086	0.0107
2 METHYL 2,4 PENTANEDIOL	107-41-5	0.000028	0.0203	0.0252
2 METHYL BUTANOIC ACID	116-53-0	0.046300	0.1002	0.1286
2 METHYL PROPANOIC ACID	79-31-2	0.069900	0.1218	0.167
2 NITROANILINE	88-74-4	0.008880	0.0015	0.0022
2 NITROOXY 1 BUTANOL	147794-12-5	0.009259	0.0058	0.0124
2 NITROOXY 1 PROPANOL		0.012340	0.0038	0.0098
2 NITROOXY 3 BUTANOL	147794-10-3	0.005050	0.0105	0.0222
2 NITROOXY ETHANOL	16051-48-2	0.001389	0.0004	0.0015
2 OXOPENTANEDIOIC ACID	328-50-7	0.000000	0.0000	0.0000
2 PHENYL ETHANOL	60-12-8	0.014200	0.0377	0.0362
2-(1-METHOXY)-1-PROPANOL	1589-47-5	0.041560	0.0746	0.1059
2,2-DIBROMO-2-CYANOACETAMIDE	10222-01-2	0.001061	0.0002	0.0004
2,2-DICHLOROPROPIONIC ACID DALAPON	75-99-0	0.004559	0.0171	0.0205
2,2'-METHYLENEBIS 4 CHLOROPHENOL	97-23-4	0.000000	0.0001	0.0001
2,3 BUTANEDIOL	513-85-9	0.000140	0.0095	0.0134
2,3 DIETHYL 1,3 PROPANEDIOL		0.000028	0.0068	0.0082
2,3 DIHYDROXY PROPANAL	56-82-6	0.000000	0.0001	0.0002
2,3 DIHYDROXYBUTANEDIOIC ACID	87-69-4	0.000000	0.0000	0.0000
2,3 PENTANEDIOL	42027-23-6	0.000019	0.0099	0.013
2,3,5 TRIMETHYLPHENOL		0.031720	0.0693	0.0655

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
2,3,5,6-TETRACHLOROTEREPHTHALIC ACID	2136-79-0	0.000001	0.0057	0.0065
2,4 DIAMINOANISOLE	615-05-4	0.000135	0.0035	0.0043
2,4 DICHLOROPHENOXYACETIC ACID	94-75-7	0.001670	0.0037	0.0041
2,4 DIMETHYLPHENOL	105-67-9	0.052800	0.0496	0.0474
2,4 DINITROPHENOL	51-28-5	0.038600	0.0002	0.0003
2,4 DINITROTOLUENE	121-14-2	0.007210	0.0115	0.0189
2,4 HEPTANEDIOL		0.000028	0.0068	0.0082
2,4 PENTANEDIOL	625-69-4	0.000019	0.0055	0.0072
2,4 TOLUENE DIAMINE	95-80-7	0.000067	0.0006	0.0007
2,4,5 BENZOIC ACID		0.000000	0.0000	0.0000
2,4,5 T	93-76-5	0.004615	0.1178	0.1284
2,4,6-TRINITROPHENOL	88-89-1	0.000010	0.0000	0.0000
2,4-D, BUTOXYETHYL ESTER	1929-73-3	0.008805	0.0072	0.0078
2,4-D, BUTYL ESTER*	94-80-4	0.019170	0.0304	0.0322
2,4-DB	94-82-6	0.004394	0.0102	0.0111
2,5 DICHLOROPHENOL	583-78-8	0.078330	0.1513	0.148
2,5 DINITROPHENOL	329-71-5	0.037000	0.0000	0.0000
2,5 HEXANEDIOL	2935-44-6	0.000028	0.0086	0.0107
2,6 DIMETHOXYPHENOL	91-10-1	0.011340	0.0028	0.0034
2,6 DINITROTOLUENE	606-20-2	0.041500	0.009	0.0147
2,6 TOLUENE DIAMINE	823-40-5	0.000046	0.001	0.0011
2-AMINOANTHRAQUINONE	117-79-3	0.000000	0.0000	0.0000
2-AMINOPHENOL (O)	95-55-6	0.000011	0.0004	0.0004
2-CHLORO-1-(3-ETHOXY-4-NITROPHENOXY	42874-03-3	0.004356	0.0011	0.0013

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
2-ETHYLHEXANOIC ACID	149-57-5	0.076000	0.0786	0.0902
2-HYDROXYETHANAL (HYDROXYALDEHYDE)	141-46-8	0.001344	0.0089	0.0171
2-HYDROXYPROPYL METHACRYLATE	923-26-2	0.003200	0.0088	0.0114
2-METHOXY-5-METHYLBENZENAMINE	120-71-8	0.089930	0.0618	0.0661
2-METHOXY-5-NITROANILINE	99-59-2	0.034100	0.0002	0.0003
2-METHYL-4-((2-METHYLPHENYL)AZO)BEN	97-56-3	0.000022	0.0006	0.0006
2-METHYL-4-CHLOROANILINE	95-69-2	0.051220	0.0916	0.0879
2-METHYL-4-CHLOROPHENOXYACETIC ACID	94-74-6	0.000074	0.0135	0.015
2-METHYLINDOLE*	95-20-5	0.054300	0.0606	0.0556
2-PHENYLPHENOL	90-43-7	0.058200	0.0085	0.0075
3 ACETYL-5-HYDROXYPIPERIDINE		0.038900	0.0002	0.0002
3 AMINOPHENOL	591-27-5	0.000011	0.0002	0.0003
3 CHLOROBENZOIC ACID	535-80-8	0.002100	0.025	0.0266
3 HYDROXYBENZALDEHYDE	100-83-4	0.000140	0.0002	0.0002
3 NITROPHENOL	554-84-7	0.000110	0.0006	0.0009
3-(1-NITROSO-2-PYRROLIDINYL)PYRIDIN	16543-55-8	0.000009	0.0000	0.0000
3,3' DIMETHYLBENZIDINE	119-93-7	0.000003	0.0009	0.0008
3,4 TOLUENE DIAMINE	496-72-0	0.000081	0.0015	0.0017
3,4-DIMETHYLPHENOL XYLENOL	95-65-8	0.004239	0.018	0.0172
3,5 DIMETHYL BENZOIC ACID	499-06-9	0.000939	0.022	0.0229
3,5,7-TRIAZA-1-AZONIAADAMANTANE, 1-	4080-31-3	0.000000	0.0000	0.0000

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
3-ACETYLPIPERIDINE		0.001180	0.0187	0.0216
3-METHYLACETANILIDE	537-92-8	0.001633	0.0015	0.0015
3-METHYLBUTANOIC ACID	503-74-2	0.046200	0.0986	0.1265
3-OXOPROPANOIC ACID		0.007900	0.0008	0.0015
4 AMINOPHENOL	123-30-8	0.000053	0.0004	0.0004
4 BROMOPHENOL		0.007940	0.0104	0.0137
4 CARBOXYBENZALDEHYDE	619-66-9	0.000015	0.0001	0.0001
4 CHLOROANILINE	106-47-8	0.014720	0.0689	0.067
4 CHLOROBENZOIC ACID	74-11-3	0.004700	0.025	0.0266
4 CHLOROPHENOL	106-48-9	0.062200	0.0317	0.0311
4 ETHYL PHENOL	123-07-9	0.042900	0.0286	0.0274
4 HYDROXY 3 NITRO BENZALDEHYDE	3011-34-5	0.058480	0.0000	0.0000
4 HYDROXYBENZALDEHYDE	123-08-0	0.000029	0.0001	0.0001
4 METHYL 2 METHOXYPHENOL	93-51-6	0.077160	0.023	0.0248
4 NITROANILINE	100-01-6	0.000070	0.0001	0.0001
4 NITROPHENOL	100-02-7	0.000021	0.0006	0.0009
4 TERT-BUTYLPHENOL	98-54-4	0.061730	0.0183	0.0171
4'-((6-HYDROXY-M-TOLYL)AZO)ACETANIL	2832-40-8	0.000001	0.0003	0.0004
4,4-BIS(DIMETHYLAMINO) BENZOPHENONE	90-94-8	0.000027	0.0018	0.0018
4,4'-THIODIANILINE	139-65-1	0.000008	0.0000	0.0000
4,6 DINITRO-O-CRESOL	534-52-1	0.023870	0.0000	0.0000
4-METHOXYACETANILIDE	51-66-1	0.000062	0.0001	0.0001
4-METHOXYANILINE	104-94-9	0.003670	0.0223	0.0245
4-METHYL BENZOIC ACID	99-94-5	0.006700	0.0085	0.009
4-METHYLINDOLE*	16096-32-5	0.020440	0.1105	0.1021

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
4-OXOBUTANOIC ACID	692-29-5	0.011100	0.0007	0.0011
5 METHOXY 2 PENTANONE	17429-04-8	0.099440	0.1969	0.2413
5-(AMINOMETHYL)-3-ISOXAZOLOL	2763-96-4	0.000000	0.0000	0.0000
5-OXOPENTANOIC ACID		0.013900	0.0006	0.0008
7H-DIBENZO(C,G) CARBAZOLE	194-59-2	0.000622	0.0005	0.0004
ABATE*	3383-96-8	0.009900	0.0000	0.0000
ACEPHATE (ORTHENE)	30560-19-1	0.000000	0.0001	0.0003
ACETALDOL	107-89-1	0.005117	0.0113	0.0157
ACETAMIDE	60-35-5	0.000621	0.0053	0.0194
ACETANILIDE	103-84-4	0.000342	0.0015	0.0016
ACETIC ACID	64-19-7	0.066090	0.1012	0.1885
ACETIC ANHYDRIDE	108-24-7	0.066090	0.1652	0.2619
ACETOCHLOR	34256-82-1	0.001239	0.2786	0.3118
ACETYL-2-THIOUREA,1-*	591-08-2	0.000251	0.0002	0.0004
ACETYLMETHYLPHTHALATE 4		0.000056	0.0001	0.0001
ACRIDINE	260-94-6	0.010060	0.0654	0.0564
ACRIDINE ORANGE*	494-38-2	0.000000	0.0000	0.0000
ACRIDINE YELLOW*	135-49-9	0.000000	0.0000	0.0000
ACRYLAMIDE	79-06-1	0.000017	0.4516	1
ACRYLIC ACID	79-10-7	0.023140	0.4311	0.6432
ADAMANTANE DICARBOXYLIC ACID		0.000002	0.0000	0.0000
ADENINE	73-24-5	0.000000	0.0000	0.0000
ADIPONITRILE	111-69-3	0.000390	0.0035	0.004
AFLATOXINS	1402-68-2	0.000000	0.0000	0.0000
ALACHLOR	15972-60-8	0.001793	0.6453	0.7223

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
ALDICARB	116-06-3	0.000231	0.0001	0.0002
AMETRYNE*	834-12-8	0.000135	0.0001	0.0002
AMINO-4'-CHLOROBIPHENYL 4	135-68-2	0.018500	0.0096	0.0086
AMINO-4-CHLOROPYRIDINE 2	1072-98-6	0.000180	0.0054	0.0059
AMINOBIPHENYL,4-	92-67-1	0.008100	0.0119	0.0105
AMINOETHYLPIPERAZINE	140-31-8	0.000000	0.0001	0.0001
AMINOPYRIDINE,4- (AVITROL)	504-24-5	0.000156	0.0005	0.0005
AMITROLE*	61-82-5	0.000000	0.0002	0.0006
AMMONIUM ACETATE*	631-61-8	0.000000	0.0000	0.0000
AMMONIUM PERFLUOROOCTANOATE	3825-26-1	0.006055	0.4955	0.4566
ANILAZINE	101-05-3	0.000016	0.0014	0.0015
ANILINE	62-53-3	0.085310	0.1423	0.1382
ANISIDINE,O-	90-04-0	0.077360	0.0494	0.0543
ANTHRAQUINONE	84-65-1	0.001300	0.0004	0.0003
ANTOR	38727-55-8	0.000335	0.0034	0.0037
ARAMITE*	140-57-8	0.000086	0.0001	0.0002
ATRAZINE	1912-24-9	0.000340	0.0002	0.0003
AURAMINE	492-80-8	0.000000	0.0000	0.0000
AZASERINE	115-02-6	0.000009	0.0000	0.0001
BAYER 37344*	2032-65-7	0.000167	0.0022	0.0024
BENDIOCARB	22781-23-3	0.002167	0.0005	0.0007
BENOMYL	17804-35-2	0.000000	0.0000	0.0001
BENTAZONE*	25057-89-0	0.000246	0.0086	0.0116
BENXENEDICARBOXYLIC ACID DIHEPTYL E		0.041060	0.0067	0.0071
BENZ(C)ACRIDINE	225-51-4	0.006778	0.0292	0.0248

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
BENZAMIDE	55-21-0	0.000014	0.0011	0.0014
BENZEN SULFONATE*	3198-32-1	0.002622	0.0135	0.0147
BENZENE ARSONIC ACID (M)	98-05-5	0.000006	0.124	0.124
BENZENE DICARBOXYLIC ACID	29010-86-4	0.007449	0.0001	0.0002
BENZENE SULFONIC ACID (M)	98-11-3	0.043940	0.1459	0.1459
BENZENE, M-BIS(2,3-EPOXYPROPOXY)-	101-90-6	0.001139	0.0097	0.0113
BENZIDINE	92-87-5	0.000002	0.0000	0.0000
BENZO(A)FLUORANTHENE	203-33-8	0.032680	0.0054	0.0043
BENZO(A)PYRENE	50-32-8	0.050240	1.2667	0.9995
BENZO(B)FLUORANTHENE	205-99-2	0.036500	0.011	0.0087
BENZO(B)PYRIDINE (QUINOLINE)	91-22-5	0.091520	0.2542	0.2279
BENZO(GHI)PERYLENE	191-24-2	0.018520	0.0059	0.0046
BENZO(J)FLUORANTHENE	205-82-3	0.024720	0.011	0.0087
BENZO(K)FLUORANTHENE	207-08-9	0.032680	0.0054	0.0043
BENZOIC ACID	65-85-0	0.002310	0.0142	0.0155
BENZOTHIAZOLE	95-16-9	0.032800	0.1876	0.241
BENZOYL PEROXIDE	94-36-0	0.072700	0.0000	0.0000
BHC,BETA-	319-85-7	0.024440	1.0627	0.9994
BHC,DELTA-	319-86-8	0.024000	1.0627	0.9994
BIS (2-CHLOROETHOXY) METHANE	111-91-1	0.021370	0.1702	0.1959
BIS (HYDROXYMETHYL) HYDROPEROXIDE	17088732	0.000006	0.0009	0.0038
BIS(4-DIMETHYLAMINOPHENYL)METHANE	101-61-1	0.004456	0.0295	0.0276
BISPHENOL(A)	80-05-7	0.000050	0.0000	0.0000

TABLE 1 OF APPENDIX J–-Continued

Compound	CAS	Y/X	Fm25D	Fm 305
BROMOACETIC ACID	79-08-3	0.000370	0.0166	0.0345
BROMOCHLOROMETHYL ACETATE		0.010400	0.3948	0.6252
BUTANDIOIC ACIC (SUCCINIC ACID)	110-15-6	0.000000	0.0001	0.0001
BUTANEDINITRILE	110-61-2	0.000932	0.0071	0.0089
BUTYL BENZYL PHTHALATE	85-68-7	0.071900	0.0063	0.0066
BUTYLENE GLYCOL-(1,3)	107-88-0	0.000132	0.0026	0.0038
BUTYLPHTHALYL BUTYLGLYCOLATE	85-70-1	0.001222	0.0006	0.0007
BUTYRIC ACID	107-92-6	0.060000	0.0886	0.1241
C.I. DIRECT BLACK 38 (M)	1937-37-7	0.000000	0.999	0.999
C.I. SOLVENT ORANGE 7	3118-97-6	0.000002	0.0000	0.0000
CACODYLIC ACID*	75-60-5	0.001594	0.0158	0.0299
CAPROLACTAM	105-60-2	0.000280	0.0025	0.003
CAPTAN	133-06-2	0.000390	0.7695	1
CARBARYL SEVIN	63-25-2	0.000240	0.0008	0.0008
CARBAZOLE*	86-74-8	0.004800	0.0059	0.0052
CARBENDAZIM	10605-21-7	0.022220	0.0234	0.0379
CARBOFURAN*	1563-66-2	0.000470	0.0012	0.0014
CARBONIC ACID, DILITHIUM SALT*	554-13-2	0.000000	0.0000	0.0000
CARBOXIN	5234-68-4	0.000014	0.8726	0.9992
CHLORAMBEN	133-90-4	0.000002	0.0015	0.0017
CHLORAMBUCIL	305-03-3	0.000001	0.0002	0.0002
CHLORENDIC ACID	115-28-6	0.000000	0.0000	0.0000
CHLORIDAZON	1698-60-8	0.000018	0.0003	0.0003
CHLORIMURON-ETHYL (PH 7)	90982-32-4	0.000000	0.0001	0.0002
CHLORNAPHAZINE	494-03-1	0.062780	0.4244	0.3869

TABLE 1 OF APPENDIX J–-Continued

Compound	CAS	Y/X	Fm25D	Fm 305
CHLORO(-P)CRESOL(-M)	59-50-7	0.009100	0.0288	0.0279
CHLORO-1,2-ETHANE DIOL (M)		0.005360	0.999	0.999
CHLORO-2,5-DIKETOPYRROLIDINE 3 (M)		0.003710	0.4302	0.4302
CHLOROACETIC ACID	79-11-8	0.004080	0.0204	0.0284
CHLOROBENZILATE	510-15-6	0.011000	0.0001	0.0001
CHLOROBENZOPHENONE (PARA)	134-85-0	0.000190	0.0495	0.0443
CHLORODIFLUOROACETIC ACID	76-04-0	0.002220	0.5985	0.7391
CHLORODIFLUOROETHANOIC PEROXYACID		0.018520	0.6966	0.9754
CHLOROETHANOL	107-07-3	0.076650	0.2775	0.3346
CHLOROHYDRIN, A 3 CHLORO 1,2 PROPANE	96-24-2	0.001620	0.0031	0.0042
CHLOROMETHYLTEREPHTHALIC ACID		0.000000	0.0005	0.0006
CHLORO-N-METHYLBENZAMIDE P		0.000124	0.0049	0.0051
CHLORPROPHAM*	101-21-3	0.001320	0.0017	0.0018
CHLORSULFURON (PH 7)	64902-72-3	0.000000	0.0000	0.0000
CHOLINE CHLORIDE	67-48-1	0.000381	0.0049	0.0059
CIS BUTENEDIOIC ACID (MALEIC ACID)	110-16-7	0.000001	0.0001	0.0002
CITRIC ACID	77-92-9	0.000000	0.0000	0.0000
CITRUS RED #2	6358-53-8	0.000000	0.0000	0.0000
CREOSOTE (M)	8001-58-9	0.004444	0.025	0.025
CRESOL	1319-77-3	0.060890	0.0347	0.0335
CUMENE HYDROPEROXIDE	80-15-9	0.012000	0.4455	0.471
CUMYL PHENOL	18168-40-6	0.062780	0.0173	0.0154
CUMYLPHENOL-4	599-64-4	0.093300	0.0019	0.0017

TABLE 1 OF APPENDIX J–-Continued

Compound	CAS	Y/X	Fm25D	Fm 305
CYANAZINE* (BLADEX)	21725-46-2	0.000014	0.0001	0.0001
CYANOGUANIDINE	461-58-5	0.000025	0.0629	0.1107
CYANOMETHYL BENZOATE 4	1129-35-7	0.006667	0.0152	0.017
CYANOPYRIDINE (-4)	100-48-1	0.051610	0.1139	0.1233
CYANOPYRIDINE 3	100-54-9	0.015220	0.15	0.1623
CYANURIC ACID*	108-80-5	0.000000	0.0000	0.0000
CYCASIN	14901-08-7	0.000000	0.0000	0.0000
CYCLOHEXADIENE1,4DIONE2,6BIS11DIMET		0.023060	0.0218	0.0213
CYCLOHEXYL-4,6-DINITROPHENOL,2-	131-89-5	0.000064	0.0000	0.0000
CYCLOTETRAMETHYLENETRANITRAMINE*	2691-41-0	0.000001	0.0293	0.1359
DAZOMET*	533-74-4	0.001072	0.0848	0.1532
DECABROMODIPHENYL ETHER	1163-19-5	0.000661	0.0013	0.0023
DESMEDIPHAM	13684-56-5	0.000009	0.0154	0.0203
DI-2-ETHYLHEXYL ADIPATE	103-23-1	0.031110	0.0036	0.0039
DIANISIDINE DIISOCYANATE*	91-93-0	0.000000	0.0000	0.0000
DIAZINON	333-41-5	0.000524	0.0007	0.0007
DIBENZ(A,H)ACRIDINE	226-36-8	0.001283	0.0043	0.0036
DIBENZ(A,J)ACRIDINE	224-42-0	0.001283	0.0043	0.0036
DIBENZO(A,E)FLUORANTHENE	5385-75-1	0.004394	0.0014	0.0011
DIBENZO(A,E)PYRENE	192-65-4	0.004967	0.0014	0.0011
DIBENZO(A,H)ANTHRACENE	53-70-3	0.004060	0.0008	0.0006
DIBENZO(A,H)PYRENE	189-64-0	0.004967	0.0014	0.0011
DIBENZO(B,DEF)CHRYSENE-7,14-DIONE	128-66-5	0.000001	0.0000	0.0000
DIBENZO(DEF,P)CHRYSENE	191-30-0	0.004967	0.0014	0.0011

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
DIBENZOPYRENE 1,2,7,8	189-55-9	0.004967	0.0014	0.0011
DIBROMOACETIC ACID	631-64-1	0.000240	0.0507	0.1078
DIBUTYLPHTHALATE	84-74-2	0.025200	0.0014	0.0015
DICAMBA	1918-00-9	0.000120	0.0075	0.0084
DICAMBA AMINE	2300-66-5	0.000989	0.0161	0.0184
DICAPTHON (M)	2463-84-5	0.012630	0.999	0.999
DICHLORO 2-PROPANOL 1,3	96-23-1	0.094840	0.2371	0.2572
DICHLORO PROPANOL 2,3	616-23-9	0.071600	0.1192	0.13
DICHLORO-(2,6)-NITROANILINE(4)	99-30-9	0.000363	0.0164	0.0204
DICHLOROACETIC ACID	79-43-6	0.000460	0.04	0.0508
DICHLOROANILINE 2,3	608-27-5	0.067220	0.1205	0.117
DICHLOROBENZIDINE,3,3'-	91-94-1	0.040700	0.0008	0.0008
DICHLOROFLUOROETHANOIC PEROXYACID		0.018520	0.5814	0.7825
DICHLOROPHENOL	25167-81-1	0.078330	0.1513	0.148
DICHLOROTETRAHYDROFURAN 3,4	3511-19-1	0.007833	0.8335	0.8742
DICHLORPROP	120-36-5	0.001494	0.0036	0.0039
DICHLORVOS*	62-73-7	0.053000	0.0137	0.0183
DIETHANOLAMINE	111-42-2	0.000072	0.0000	0.0000
DIETHYL PHTHALATE	84-66-2	0.033800	0.0059	0.0069
DIETHYL PROPIONAMIDE,2AN	15299-99-7	0.001087	0.0005	0.0006
DIETHYLENE GLYCOL	111-46-6	0.000008	0.0001	0.0002
DIETHYLENE GLYCOL DIETHYL ETHER	112-36-7	0.006162	0.1684	0.2166
DIETHYLENE GLYCOL DIMETHYL ETHER	111-96-6	0.083800	0.1051	0.1496

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	0.000084	0.0026	0.0034
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	0.002700	0.0099	0.0141
DIETHYLENE GLYCOL MONOETHYL ETHER A	112-15-2	0.004370	0.0518	0.0722
DIETHYLENE GLYCOL MONOMETHYL ETHER	111-77-3	0.000036	0.0031	0.0047
DIETHYLENE GLYCOL MONOPROPYL ETHER	6881-94-3	0.007944	0.0042	0.0057
DIETHYLENETRIAMINE	111-40-0	0.000000	0.0002	0.0003
DIETHYLHYDRAZINE N,N	1615-80-1	0.006770	0.241	0.3329
DIETHYLTHIOPHOSPHATEBENZOM ETHYL P		0.000173	0.0002	0.0003
DIFLUBENZURON	35367-38-5	0.000256	0.0026	0.0028
DIFLUOROACETIC ACID	381-73-7	0.001850	0.2972	0.4022
DIKOTEX P*	3653-48-3	0.000767	0.0032	0.0035
DIMETHENAMID*	87674-68-8	0.004550	0.7578	0.8391
DIMETHOATE*	60-51-5	0.000006	0.0000	0.0000
DIMETHOXY-(3,3')-BENZIDINE	119-90-4	0.000003	0.0000	0.0000
DIMETHYL BENZOIC ACID, 2,4	611-01-8	0.000728	0.019	0.0198
DIMETHYL BENZYLAMINE N,N	103-83-3	0.072000	0.5867	0.552
DIMETHYL CARBAMOYL CHLORIDE*	79-44-7	0.040100	0.1156	0.1505
DIMETHYL FORMAMIDE	68-12-2	0.009955	0.0085	0.0131
DIMETHYL METHYLTHIOCARBAMATE N,N*	631-67-4	0.018830	0.1805	0.2912
DIMETHYL NITROSAMINE*	62-75-9	0.043800	0.0000	0.8115
DIMETHYL PHTHALATE	131-11-3	0.023220	0.0009	0.001

TABLE 1 OF APPENDIX J–-Continued

Compound	CAS	Y/X	Fm25D	Fm 305
DIMETHYLACETAMIDE	127-19-5	0.000730	0.5294	0.981
DIMETHYLAMINOAZOBENZENE,4-*	60-11-7	0.000393	0.0163	0.0165
DIMETHYLBENZ(A)ANTHRACENE(7,12)	57-97-6	0.000015	0.0078	0.0063
DIMETHYLHYDANTOIN,5,5-*	77-71-4	0.003772	0.0139	0.0251
DIMETHYLSULFONE*	67-71-0	0.001111	0.0016	0.0029
DIMETHYLSULFOXIDE* (DMSO)	67-68-5	0.000084	0.5646	0.873
DINOCAP	39300-45-3	0.000266	0.0021	0.0027
DINOSEB	88-85-7	0.035000	0.0002	0.0003
DI-N-PROPYL PHTHALATE	131-16-8	0.001600	0.0064	0.0072
DIPHENAMID	957-51-7	0.086670	0.0526	0.0606
DIPHENYLHYDRAZINE(1,2)	122-66-7	0.000191	0.011	0.0107
DIPROPYL PYRIDINE-2,5-DICARBOXYLATE	136-45-8	0.001861	0.0034	0.0042
DIPROPYLENE GLYCOL	25265-71-8	0.000197	0.0005	0.0007
DIRECT BLUE 6*	2602-46-2	0.000000	0.0000	0.0000
DIURON	330-54-1	0.000028	0.8254	0.9718
DODINE	2439-10-3	0.000005	0.0000	0.0000
EDTA	60-00-4	0.000000	0.0000	0.0000
ENDOSULFAN SULFATE*	1031-07-8	0.000035	0.0000	0.0000
ENDRIN	72-20-8	0.027650	0.0027	0.0026
EPINEPHRINE	51-43-4	0.020330	0.0000	0.0000
ETHANEDIAL (GLYOXAL)	107-22-2	0.000150	0.5236	0.9579
ETHANOLAMINE(MONO-)	141-43-5	0.000434	0.0038	0.0074
ETHYL CARBAMATE (URETHANE)*	51-79-6	0.001220	0.004	0.0074

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
ETHYL MORPHOLINE, ETHYL DIETHYLENE	100-74-3	0.001372	0.048	0.0587
ETHYLENE DIAMINE	107-15-3	0.000094	0.0116	0.0218
ETHYLENE GLYCOL	107-21-1	0.003330	0.011	0.0212
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	0.028870	0.0564	0.0714
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9	0.085170	0.3284	0.4569
ETHYLENE GLYCOL MONOMETHYL ETHER	109-86-4	0.018330	0.0738	0.1199
ETHYLENE GLYCOL MONOPHENYL ETHER	122-99-6	0.011050	0.0205	0.0224
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9	0.027100	0.1815	0.2422
ETHYLENETHIOUREA*	96-45-7	0.001710	0.0000	0.0000
ETHYLPHENOL,3-	620-17-7	0.007111	0.0237	0.0227
FAMPHUR	52-85-7	0.000890	0.0001	0.0002
FENITROTHION*	122-14-5	0.051670	0.0084	0.0137
FENTHION*	55-38-9	0.028000	0.0012	0.0018
FENVALERATE	51630-58-1	0.001918	0.0003	0.0003
FLUOMETURON	2164-17-2	0.000145	0.8547	0.9921
FLUOROACETIC ACID	144-49-0	0.065000	0.0578	0.0857
FLUOROACETIC ACID, SODIUM SALT*	62-74-8	0.000300	0.2937	0.4357
FORMALDEHYDE	50-00-0	0.017920	0.5467	1
FORMAMIDE	75-12-7	0.000846	0.0916	0.1697
FUMARIC ACID	110-17-8	0.007390	0.0003	0.0006
FUROIC ACID	88-14-2	0.022210	0.0073	0.0096
GLYCERIN (GLYCEROL)	56-81-5	0.000000	0.0000	0.0000

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
GLYCINAMIDE	598-41-4	0.008200	0.0000	0.0000
GLYOXYLIC ACID	298-12-4	0.006200	0.001	0.0024
GLYPHOSATE	1071-83-6	0.000242	0.0046	0.0093
GUANIDINE, NITROSO*	674-81-7	0.048900	0.0000	0.0000
GUTHION*	86-50-0	0.001328	0.0000	0.0000
GYLCIDOL	556-52-5	0.050110	0.0191	0.0299
HARMONY (M)	79277-27-3	0.000000	0.0178	0.0178
HEPTANOIC ACID	111-14-8	0.036000	0.0548	0.0655
HEXAMETHYLENEDIAMINE	124-09-4	0.000178	0.0048	0.006
HEXAMETHYLPHOSPHORAMIDE*	680-31-9	0.001110	0.0000	0.0000
HEXANEDIOIC ACID (ADIPIC ACID)	124-04-9	0.000000	0.0000	0.0000
HEXANOIC ACID	142-62-1	0.039680	0.0606	0.0752
HYDRAZINE*	302-01-2	0.000096	0.1903	0.3318
HYDROQUINONE	123-31-9	0.000002	0.0000	0.0000
HYDROXY-(2)-PROPIONITRILE	109-78-4	0.004200	0.0013	0.002
HYDROXYACETIC ACID (GLYCOLIC)	79-14-1	0.001120	0.0002	0.0005
HYDROXYMETHYL ACETYLENE	107-19-7	0.066600	0.2708	0.3205
HYDROXYMETHYL HYDROPEROXIDE	15932-89-5	0.000033	0.0002	0.001
HYDROXYMETHYLBENZENE	100-51-6	0.021700	0.0836	0.0808
HYDROXYMETHYLTHIOBENZENE		0.008611	0.0022	0.0028
HYDROXYPROPIONALDEHYDE		0.009000	0.0264	0.0408
INDANOL,5-	1470-94-6	0.012220	0.0115	0.0108
INDENO(1,2,3-CD)-PYRENE	193-39-5	0.019160	0.0006	0.0004
INDOLE*	120-72-9	0.029330	0.0903	0.0827
ISOCAPROIC ACID	646-07-1	0.045560	0.0757	0.0926

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
ISOFENPHOS*	25311-71-1	0.002827	0.0003	0.0003
LACTIC ACID	598-82-3	0.000535	0.0007	0.0013
LEUCINE	61-90-5	0.030000	0.0047	0.0065
LINURON*	330-55-2	0.000347	0.0036	0.0039
M PHENYLENE DIAMINE	108-45-2	0.000600	0.0004	0.0004
M TOLUIDINE	108-44-1	0.072220	0.1232	0.1178
MALACHITE GREEN	569-64-2	0.000000	0.1	0.087
MALATHION*	121-75-5	0.000271	0.0000	0.0000
MALIC ACID (HYDROXYBUTANEOIC)	636-61-3	0.000000	0.0000	0.0000
MALONONITRILE	109-77-3	0.007275	0.0724	0.0995
MANEB (M)	12427-38-2	0.000242	0.0924	0.0924
MANGANESE II ACETATE	638-38-0	0.000005	0.0004	0.0007
MCPB	94-81-5	0.000533	0.0023	0.0025
MECOPROP	93-65-2	0.001011	0.0067	0.0074
MERCAPTOBENZOTHIAZOLE, 2	149-30-4	0.000042	0.0041	0.0049
METHACRYLIC ACID	79-41-4	0.070000	0.0682	0.0914
METHANE SULFONIC ACID*	75-75-2	0.026700	0.0003	0.0007
METHAPYRILENE	91-80-5	0.000170	0.0163	0.0192
METHAZOLE	20354-26-1	0.012720	0.0009	0.0011
METHOMYL	16752-77-5	0.000035	0.0000	0.0000
METHOXYPHENOL P	150-76-5	0.017200	0.0025	0.0028
METHYL ISOCYANATE*	624-83-9	0.011440	0.2047	0.3744
METHYL METHANESULFONATE	66-27-3	0.000005	0.0006	0.0014
METHYL PARATHION*	298-00-0	0.055000	0.0009	0.0015
METHYL SULFURIC ACID (M)	75-93-4	0.031170	0.7935	0.7935
METHYL THIOURACIL	56-04-2	0.021060	0.0000	0.0000

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
METHYL-2-METHOXYAZIRIDINE 1		0.024200	0.5609	0.7698
METHYLACETONITRILE 2 ACETONE CYANOH	75-86-5	0.000109	0.0197	0.0268
METHYLDITHIOCARBAMIC ACID, NA SALT	137-42-8	0.000000	0.0006	0.0013
METHYLENE DIPHENYL DIISOCYANATE	101-68-8	0.002700	0.0163	0.0174
METHYLENE DIPHENYLAMINE (MDA)	111-77-9	0.001561	0.0017	0.0017
METHYLENE-BIS (2-CHLOROANILINE),4,4	101-14-4	0.012940	0.0096	0.0092
METHYLETHYLIDENE BISPHENOL, 4,4'		0.000017	0.0001	0.0001
METHYLFURFURAL 5	620-02-0	0.012200	0.1214	0.1413
METHYLIMINOACETIC ACID	107-97-1	0.055600	0.0007	0.0013
METOLACHLOR (M)	51218-45-2	0.000500	0.0831	0.0831
METRIBUZIN*	21087-64-9	0.000006	0.0000	0.0001
METSULFURON ME (ALLY)*	74223-64-6	0.000000	0.0000	0.0000
MEVINPHOS (M)	7786-34-7	0.000004	0.999	0.999
MONOMETHYL FORMANIDE	123-39-7	0.000000	0.0025	0.0047
MORPHINE (M)	57-27-2	0.000000	0.0323	0.0323
NABAM	142-59-6	0.000000	0.0000	0.0000
NAPHTHALENE ACETIC ACID 2 METHYL, 1	85-08-5	0.001694	0.0029	0.0028
NAPHTHOL,ALPHA-	90-15-3	0.001411	0.0044	0.0039
NAPHTHOL,BETA-	135-19-3	0.001522	0.0028	0.0025
NAPHTHYLAMINE,ALPHA-	134-32-7	0.006188	0.0054	0.0048
NAPHTHYLAMINE,BETA-	91-59-8	0.004555	0.0041	0.0037

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
NEOPENTYL GLYCOL	126-30-7	0.000900	0.0036	0.0048
N-HYDROXY-N-NITROSOBENZENAMINE*AMMO	135-20-6	0.070550	0.0283	0.0425
NIACIN	59-67-6	0.034220	0.0016	0.002
NIACINAMIDE	98-92-0	0.067780	0.0001	0.0002
NICOSULFURON* (ACCENT)	111991-09-4	0.000000	0.0000	0.0000
NITRILOTRIACETIC ACID	139-13-9	0.000000	0.0000	0.0000
NITROGLYCERIN	55-63-0	0.005230	0.0003	0.0017
NITROOXY PROPANOL		0.008290	0.0018	0.0046
NITROOXYACETONE		0.055550	0.1668	0.4185
NITROSODI-N-PROPYLAMINE N	621-64-7	0.077460	0.0884	0.1046
NITROSODIPHENYLAMINE N*	156-10-5	0.000833	0.0023	0.0022
NITROSO-N-METHYLUREA N	684-93-5	0.060000	0.015	0.0369
NITROSOPYRROLIDINE N (M)	930-55-2	0.000115	0.997	0.997
N-METHYLPYRROLIDONE	872-50-4	0.000178	0.4686	0.764
N-NITROSOPIPERIDINE	100-75-4	0.046900	0.233	0.3895
NONYLPHENOL	25154-52-3	0.048170	0.0105	0.0098
NORFLURAZON (M)	27314-13-2	0.000016	0.0711	0.0711
O PHENYLENE DIAMINE	95-54-5	0.000600	0.0013	0.0015
OCTANOIC ACID	124-07-2	0.049580	0.0496	0.0576
O-DINITROBENZENE	528-29-0	0.075000	0.0183	0.0324
OODIETHYLO2ETH.THIOETH.PHOSPHORO(M)	126-75-0	0.000000	0.0958	0.0958
ORYZALIN*	19044-88-3	0.000106	0.0000	0.0000
OXADIAZON (M)	19666-30-9	0.004039	0.999	0.999
OXALIC ACID	144-62-7	0.000008	0.0002	0.0006
OXYTHIOQUINOX*	2439-01-2	0.003420	0.0032	0.0035

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
P PHENYLENE DIAMINE	106-50-3	0.000043	0.0008	0.001
P,P' DIAMINODIPHENYLMETHANE	101-77-9	0.000003	0.0000	0.0000
PAH POLYCYCLIC AROMATIC HYDROCARBON		0.050000	1.2667	0.9995
PARAQUAT DICHLORIDE	1910-42-5	0.080000	0.1541	0.1508
PARATHION	56-38-2	0.004750	0.0003	0.0005
P-BENZOQUINONE	106-51-4	0.054080	0.0061	0.0068
P-DINITROBENZENE	100-25-4	0.004660	0.0157	0.0278
PENDIMETHALIN	40487-42-1	0.047500	0.025	0.0341
PENTACHLOROPHENOL	87-86-5	0.001360	0.092	0.0898
PENTAERYTHRITOL	115-77-5	0.000007	0.0002	0.0003
PENTAERYTHRITOL TETRANITRATE	78-11-5	0.000002	0.0000	0.0000
PENTANEDIOIC ACID (GLUTARIC ACID)	110-94-1	0.000000	0.0000	0.0000
PENTANOIC ACID	109-52-4	0.025250	0.071	0.0926
PERYLENE	198-55-0	0.024720	0.011	0.0087
PHENACETIN	62-44-2	0.012390	0.182	0.2278
PHENOL	108-95-2	0.039380	0.036	0.0354
PHENOL,2,2'-METHYLENEBIS 3,4,6-CL	70-30-4	0.000000	0.0007	0.0006
PHENOXYACETIC ACID	122-59-8	0.000930	0.003	0.0036
PHENYL MERCURIC ACETATE (M)	62-38-4	0.000670	0.0566	0.0566
PHENYLACETIC ACID	103-82-2	0.002280	0.0154	0.0164
PHENYLHYDRAZINE	100-63-0	0.000246	0.0064	0.007
PHENYLTHIOUREA	103-85-5	0.000107	0.0003	0.0004
PHENYTOIN	57-41-0	0.000001	0.001	0.0013

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
PHORATE*	298-02-2	0.024280	0.1988	0.2635
PHTHALIC ACID	88-99-3	0.000000	0.0001	0.0001
PHTHALIC ANHYDRIDE	85-44-9	0.000340	0.0155	0.0185
PHTHALIMIDE*	85-41-6	0.000001	0.0001	0.0001
PHTHALTHRIN	7696-12-0	0.052000	0.4361	0.5108
PICLORAM	1918-02-1	0.000000	0.0015	0.0018
PIPERAZINE	110-85-0	0.000122	0.0307	0.0424
PIPERONYL BUTOXIDE	51-03-6	0.044980	0.007	0.0079
POTASSIUM DIMETHYLDITHIOCARBAMATE*	128-03-0	0.000351	0.0143	0.0265
P-PHENYLAZOANILINE	60-09-3	0.000005	0.0001	0.0001
PRIMISULFURON-METHYL (BEACON)*	86209-51-0	0.000001	0.0000	0.0000
PROFENOFOS*	41198-08-7	0.000876	0.0244	0.0294
PROMETON	1610-18-0	0.000048	0.0000	0.0001
PROMETRYNE*	7287-19-6	0.000733	0.0003	0.0004
PRONAMIDE	23950-58-5	0.000543	0.0699	0.0684
PROPACHLOR (RAMROD)	1918-16-7	0.017800	0.9064	0.9915
PROPANOIC ACID	79-09-4	0.025500	0.0716	0.1115
PROPANONAL (METHYLGLYOXAL,PYRUVALDE	78-98-8	0.001700	0.5312	0.7974
PROPARGITE*	2312-35-8	0.002306	0.0004	0.0004
PROPAZINE	139-40-2	0.000255	0.0007	0.0009
PROPETAMPHOS*	31218-83-4	0.002670	0.0011	0.0016
PROPICONAZOLE	60207-90-1	0.000229	0.0024	0.0027
PROPORUR (BAYGON)	114-26-1	0.000098	0.0035	0.0041
PROPYL THIOURACIL	51-52-5	0.000000	0.0000	0.0000

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	0.051110	0.1437	0.204
PYRENE, 1-NITRO-	5522-43-0	0.001817	0.0036	0.0035
PYRIDINIUM BROMIDE*	1882-82-1	0.091670	0.6208	0.8582
PYROCATECHOL	120-80-9	0.000174	0.0002	0.0002
PYRUVIC ACID	127-17-3	0.000180	0.0159	0.029
RESERPINE	50-55-5	0.000000	0.0000	0.0000
RESMETHRIN	10453-86-8	0.007389	0.0386	0.0373
RESORCINOL	108-46-3	0.000005	0.0001	0.0001
RHODAMINE B	81-88-9	0.000000	0.0001	0.0001
S ACETYLMERCAPTOSUCCINIC ACID	6332-90-7	0.000030	0.0001	0.0002
SACCHARIN*	81-07-2	0.000068	0.0052	0.0055
SILVEX	93-72-1	0.000839	0.0138	0.0148
SIMAZINE	122-34-9	0.000053	0.0000	0.0000
SODIUM ACETATE	127-09-3	0.000200	0.0723	0.1348
SODIUM ACRYLATE	7446-81-3	0.005350	0.0613	0.0914
SODIUM DIMETHYLDITHIOCARBAMATE*	128-04-1	0.000351	0.0143	0.0265
SODIUM FORMATE	141-53-7	0.000094	0.0000	0.0000
STIROFOS*	961-11-5	0.000102	0.0071	0.0078
STRYCHNIDIN-10-ONE,2,3-DIMETHOXY(M)	357-57-3	0.000811	0.0278	0.0278
STRYCHNINE (M)	57-24-9	0.000002	0.0578	0.0578
SUCCINIMIDE*	123-56-8	0.001800	0.0003	0.0005
SULFANILIC ACID (M)	121-47-1	0.088890	0.1384	0.1384
SULPROFOS*	35400-43-2	0.091110	0.0009	0.0014
T BUTYL-M-CRESOL.	1333-13-7	0.077780	0.0846	0.0789

TABLE 1 OF APPENDIX J–-Continued

Compound	CAS	Y/X	Fm25D	Fm 305
T BUTYL-P-CRESOL	25567-40-0	0.077780	0.0846	0.0789
TEBUTHIURON*	34014-18-1	0.000007	0.0005	0.0008
TEREPHTHALIC ACID	100-21-0	0.000000	0.0004	0.0005
TETRACYCLINE HYDROCHLORIDE*	64-75-5	0.000000	0.0000	0.0000
TETRAETHYLDITHIOPYROPHOSPHATE*	3689-24-5	0.000400	0.0000	0.0000
TETRAETHYLENE GLYCOL	112-60-7	0.000000	0.0000	0.0000
TETRAETHYLENE GLYCOL MONOMETHYL ETHANE	23783-42-8	0.000139	0.0001	0.0001
TETRAETHYLENE PENTAMINE	112-57-2	0.000000	0.0000	0.0000
TETRAHYDRO 3-FURANOL	453-20-3	0.008389	0.0126	0.0177
TETRAHYDROTHIOPHENE-1,1-DIOXIDE*	126-33-0	0.000054	0.0012	0.0022
TETRYL NITRAMINE*	479-45-8	0.000016	0.0004	0.001
THIABENDAZOLE*	148-79-8	0.000001	0.0000	0.0000
THIOBENCARB	28249-77-6	0.014830	0.0902	0.1111
THIOFANOX	39196-18-4	0.000522	0.0012	0.0018
THIOPHANATE-METHYL*	23564-05-8	0.000017	0.0000	0.0000
THIOPROPIONAMIDE 2		0.000004	0.0000	0.0000
THIOSEMICARBAZIDE	79-19-6	0.000037	0.0000	0.0000
THIOUREA	62-56-6	0.000110	0.003	0.0084
THIOUREA,1-(O-CHLOROPHENYL)-	5344-82-1	0.002489	0.0039	0.005
TOLUENE DIAMINE (MIXED)	25376-45-8	0.000015	0.0004	0.0005
TOLUENE DIISOCYANATE(2,4)	584-84-9	0.009200	0.0001	0.0002
TOLUENE-2,6-DIISOCYANATE*	91-08-7	0.010110	0.0338	0.0348
TOLUIDINE HYDROCHLORIDE,O-*	636-21-5	0.051980	0.0229	0.0219

TABLE 1 OF APPENDIX J--Continued

Compound	CAS	Y/X	Fm25D	Fm 305
TRIADIMEFON*	43121-43-3	0.000005	0.0001	0.0001
TRIASULFURON	82097-50-5	0.000000	0.0000	0.0000
TRIAZIQUONE	68-76-8	0.000000	0.0000	0.0000
TRIBROMOACETIC ACID	75-96-7	0.000185	0.032	0.069
TRIBUTYLPHOSPHATE*	126-73-8	0.013180	0.0155	0.0193
TRICHLORFON*	52-68-6	0.000001	0.0000	0.0000
TRICHLOROACETIC ACID	76-03-9	0.001326	0.0238	0.028
TRICHLOROETHANAL (M)		0.000163	0.999	0.999
TRICHLOROPHENOL 2,4,6	88-06-2	0.039000	0.135	0.1319
TRICLOPYR	55335-06-3	0.015110	0.0049	0.0058
TRIETHANOLAMINE	102-71-6	0.000000	0.0000	0.0000
TRIETHYLENE GLYCOL	112-27-6	0.000002	0.0000	0.0001
TRIETHYLENE GLYCOL DIMETHYL ETHER	112-49-2	0.002110	0.0045	0.0063
TRIETHYLENE GLYCOL MONOBUTYL ETHER	143-22-6	0.000038	0.0002	0.0002
TRIETHYLENE GLYCOL MONOETHYL ETHER	112-50-5	0.000553	0.0003	0.0004
TRIETHYLENE GLYCOL MONOMETHYL ETHER	112-35-6	0.001150	0.0007	0.0011
TRIETHYLENE GLYCOL MONOPROPYL ETHER		0.001178	0.0004	0.0005
TRIETHYLENE TETRAMINE	112-24-3	0.000000	0.0000	0.0000
TRIFORINE	26644-46-2	0.000000	0.0000	0.0000
TRIPHENYLTIN HYDROXIDE*	76-87-9	0.010390	0.0001	0.0001
TRIPROPYLENE GLYCOL	1638-16-0	0.001544	0.0007	0.001
UREA	57-13-6	0.000000	0.0051	0.0093
WARFARIN	81-81-2	0.000000	0.0000	0.0000
XYLIDINE DIMETHYLANILINE	1300-73-8	0.088330	0.1312	0.124

TABLE 1 of APPENDIX J–-Concluded

* Molecular structure only approximate.
(M) fraction measured (Fm) estimated from Mwt correlation.

TABLE 2 OF APPENDIX J--FR, FM, AND FE[1] VALUES FOR COMPOUNDS WITH HENRY'S LAW CONSTANTS AT 25° C THAT ARE GREATER THAN OR EQUAL TO 0.1 Y/X ATMOSPHERE PER MOLE FRACTION

Compound	fr	m25D fm	305	Fe	CAS
[1,1'-BIPHENYL]-4,4'-DIAMINE, (M)	0.99	0.999	0.999	0.4728	64969-34-2
[1,1'-BIPHENYL]-4,4'-DIAMINE, 3,(M)	0.99	0.999	0.999	0.4728	111984-09-9
1 BROMO 2 (2 PROPYL)BENZENE OBROMOC	0.99	0.899	0.9999	0.6904	
1 BROMO 2 CHLORO 2 BUTENE	0.99	0.7909	1	0.6878	544132-84-3
1 BROMO 2 CHLOROETHANE	0.99	0.7109	1	0.6685	107-04-0
1 BROMO 2 ETHYLBENZENE	0.99	0.8565	0.9733	0.637	
1 BROMO 2 METHYL PROPANE	0.99	0.7191	1	0.9163	78-77-3
1 BROMO 3 METHYLBUTANE (ISOAMYLBROMI	0.99	0.7539	1	0.9255	107-82-4
1 BROMOBUTANE	0.99	0.7093	1	0.9652	109-65-9
1 BROMOPENTANE (AMYLPENTANE)	0.99	0.745	1	0.8935	
1 BROMOPROPANE	0.99	0.6656	1	0.8513	106-94-5
1 BUTANOL	0.8179	0.5021	0.5999	0.1759	71-36-3
1 BUTENE	0.99	1.1312	1	0.9756	106-98-9
1 BUTYL NITRATE	0.99	0.5057	0.9711	0.6405	928-45-0
1 BUTYNE (ETHYLACETYLENE)	0.99	1.1723	1	0.9306	107-00-6
1 CHLORO 1,1 DIFLUOROMETHANE R142B	0.99	1.0498	1	0.9523	
1 CHLORO 1,2,2,2 TETRAFLUOROETHANE	0.994	1.0586	1	0.9413	
1 CHLORO 2 METHYL PROPANE	0.99	1.0749	1	0.6692	513-36-0
1 CHLORO 2 METHYLBENZENE	0.99	1.1644	1	0.6898	95-49-8
1 CHLORO 2,3-EPOXYPROPANE	0.9147	0.8469	0.9391	0.3427	106-89-8
1 CHLOROBUTANE	0.99	1.0605	1	0.8909	109-69-3
1 CHLOROHEXANE (HEXYL CHLORIDE)	0.99	1.0681	1	0.9088	544-10-5
1 CHLORONAPHTHALENE	0.99	1.1705	0.9749	0.6435	90-13-1
1 CHLOROPENTANE (AMYL CHLORIDE)	0.99	1.0648	1	0.9379	543-59-9
1 DODECANOL	0.99	0.0428	0.0432	0.216	112-53-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1 ETHENYL 2 METHYL BENZENE	0.99	1.2192	1	0.6533	611-15-4
1 ETHENYL 3 METHYLBENZENE	0.99	1.2192	1	0.6908	100-80-1
1 ETHYL 2 METHYLBENZENE (O-ETHYLTOL	0.99	1.1977	1	0.7352	611-14-3
1 ETHYL 4 METHYLBENZENE (P-ETHYLTOL	0.99	1.1977	1	0.7138	622-96-8
1 ETHYLNAPHTHALENE	0.99	1.209	0.9848	0.3913	1127-76-0
1 FLUOROPROPANE	0.99	1.1056	1	0.9164	
1 HEPTADECANOL	0.988	0.0387	0.038	0.1002	1454-85-9
1 HEPTANOL	0.9749	0.2243	0.2413	0.2013	111-70-6
1 HEPTENE	0.99	1.115	1	0.9699	592-76-7
1 HEPTYNE	0.99	1.1378	1	0.9472	628-71-7
1 HEXADECANOL	0.99	0.0049	0.0049	0.1094	36653-82-4
1 HEXENE	0.99	1.1186	1	0.9678	592-41-6
1 HEXYL NITRATE	0.99	0.6257	0.9934	0.6007	
1 HEXYNE	0.99	1.1453	1	0.9078	693-02-7
1 IODOBUTANE	0.99	0.5233	1	0.8669	542-69-8
1 IODOPROPANE	0.99	0.4763	1	0.8328	107-08-4
1 ISOCYANO 3-METHYLBENZENE	0.8663	0.3658	0.3332	0.1402	621-29-4
1 METHYLCYCLOHEXENE	0.99	1.1378	1	0.9498	591-49-1
1 NONANOL	0.99	0.0993	0.1033	0.2256	143-08-8
1 NONENE	0.99	1.1102	1	0.9681	124-11-8
1 NONYNE	0.99	1.1277	1	0.9515	3452-09-3
1 OCTADECANOL	0.99	0.0123	0.012	0.079	112-92-5
1 OCTANOL	0.99	0.1844	0.1946	0.2049	111-87-5
1 OCTENE	0.99	1.1123	1	0.9688	111-66-0
1 OCTYNE	0.99	1.1321	1	0.9452	629-05-0
1 PENTADECANOL	0.9881	0.0703	0.0696	0.1189	629-76-5
1 PENTYL NITRATE (AMYL NITRATE)	0.99	0.5379	0.9258	0.6476	1002-16-0
1 PENTYNE	0.99	1.1561	1	0.9283	627-19-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1 PROPANETHIOL	0.99	0.618	1	0.7964	107-03-9
1 PROPANOL	0.6076	0.5848	0.7526	0.1741	71-23-8
1 PROPYL NITRATE	0.99	0.4416	0.994	0.6792	627-13-4
1 TETRADECANOL	0.99	0.0254	0.0253	0.1284	112-72-1
1-(4-CHLOROPHENYL)ETHANOL	0.99	0.1139	0.1092	0.8006	3391-10-4
1-(CHLOROMETHYL) NAPHTHALENE	0.99	0.8103	0.6777	0.4842	86-52-2
1,1 DICHLOROBUTANE	0.99	1.0395	1	0.816	541-33-3
1,1 DICHLOROETHENE VINYLIDENE CHLO	0.99	1.0609	1	0.9241	75-35-4
1,1 DICHLOROTETRAFLUOROETHANE R114	0.99	1.0459	1	0.9701	
1,1 DIETHOXYETHANE (ACETAL)	0.99	0.8128	0.9995	0.4126	105-57-7
1,1 DIFLUOROETHENE*	0.99	1.1302	1	0.9877	75-38-7
1,1,1 TRIFLUORO 2 PROPANOL	0.3314	0.9198	1	0.2433	
1,1,1 TRIFLUORO 2 PROPANONE	0.7812	0.9271	1	0.1265	
1,1,1 TRIMETHOXYETHANE	0.99	0.2531	0.3779	0.1993	1445-45-0
1,1,1,2 TETRAFLUOROETHANE (R134A)	0.99	1.0794	1	0.8855	811-97-2
1,1,1,2-TETRACHLORO-2-FLUOROETHANE	0.99	1.0432	1	0.9513	354-11-0
1,1,1,3,3,3 HEXAFLUORO 2 PROPANOL	0.2633	0.9629	1	0.2469	
1,1,1,3,3-PENTAFLUORO-2,2-DICHLOROP	0.99	1.0496	1	0.9902	128903-21-9
1,1,1,3,3-PENTAFLUORO-2,3-DICHLOROP	0.99	1.0541	1	0.9888	431-86-7
1,1,1-TRIFLUORO-2-CHLOROETHANE	0.99	1.0497	1	0.8923	75-88-7
1,1,2 TRICHLOROETHANE	0.99	1.0253	1	0.608	79-00-5
1,1,2 TRICHLOROTRIFLUOROETHANE R113	0.99	1.0597	1	0.9612	76-13-1
1,1,3 TRIMETHYLCYCLOPENTANE	0.99	1.1238	1	0.9783	4516-69-2
1,10 DECANEDIOL DINITRATE	0.99	0.0228	0.0393	0.1385	
1,10 DICHLORODECANE	0.99	0.8404	0.7867	0.6645	

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1,12 DICHLORODODECANE	0.99	0.6318	0.5898	0.2181	
1,1-DICHLORO-1,2,2-TRIFLUOROETHANE	0.99	1.0529	1	0.9768	812-04-4
1,1-DICHLORO-1,2,3,3,3-PENTAFLUO(M)	0.99	0.999	0.999	0.4728	111512-56-2
1,1-DICHLORO-1-FLUOROETHANE R141B	0.99	1.043	1	0.9647	1717-00-6
1,1-DICHLORO-2,2,3,3,3-PENTAFLUOROP	0.99	1.057	1	0.99	422-56-0
1,1-DIFLUOROETHANE (R152A)	0.99	1.0769	1	0.9529	75-37-6
1,2 BUTANEDIOL DINITRATE	0.9243	0.0488	0.1403	0.2648	
1,2 DECANEDIOL DINITRATE	0.99	0.0355	0.0607	0.3649	
1,2 DIBROMOETHANE	0.99	0.4863	0.987	0.5731	106-93-4
1,2 DIBROMOPROPANE	0.99	0.5826	0.9997	0.6382	78-75-1
1,2 DICHLOROBENZENE (-O)	0.99	1.1341	1	0.6638	95-50-1
1,2 DICHLOROETHENE TRANS	0.99	1.0609	1	0.8836	156-60-5
1,2 DICHLOROTETRAFLUOROETHANE R114	0.99	1.0459	1	0.9677	
1,2 DIETHOXYETHANE	0.8919	0.7887	0.9835	0.3714	629-14-1
1,2 DIFLUOROBENZENE	0.99	1.1741	1	0.8202	
1,2 EPOXYPROPANE (PROPYLENEOXIDE)	0.99	0.8268	1	0.4579	75-56-9
1,2 ETHANEDIOL DINITRATE	0.7802	0.026	0.1291	0.1734	628-96-6
1,2 HEXANEDIOL DINITRATE	0.99	0.0597	0.1332	0.2923	
1,2 OCTANEDIOL DINITRATE	0.99	0.0492	0.0938	0.3153	
1,2 PENTANEDIOL DINITRATE	0.9881	0.0586	0.146	0.2855	
1,2 PROPANEDIOL DINITRATE	0.749	0.0284	0.0995	0.2479	6423-43-4
1,2,10,11 TETRACHLOROUNDECANE	0.99	0.5252	0.4929	0.213	
1,2,3 TRICHLOROBENZENE	0.99	1.1142	1	0.5016	87-61-6
1,2,3,4 TETRACHLOROBENZENE	0.99	1.1006	1	0.4259	634-66-2
1,2,3,4 TETRAHYDRONAPHTHALENE (TETR	0.8873	1.1895	1	0.5792	119-64-2

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1,2,3,4TETRACHLORODIBENZO [BE][1,4]D	0.99	0.0511	0.0494	0.116	30746-58-8
1,2,3,5 TETRACHLOROBENZENE	0.99	1.1006	1	0.5038	634-90-2
1,2,3-TRIMETHYL BENZENE	0.99	1.1997	1	0.6723	526-73-8
1,2,4 TRICHLORODIBENZO[B,E][1,4](M)	0.9808	0.999	0.999	0.282	
1,2,4,5 TETRAMETHYLBENZENE	0.99	1.1944	1	0.8789	95-93-2
1,2,4-TRIMETHYLBENZENE	0.99	1.1997	1	0.7446	95-63-6
1,2,9,10 TETRACHLORODECANE	0.99	0.6772	0.6364	0.2979	
1,2-DIBROMOTETRAFLUOROETHANE	0.99	0.6864	1	0.9788	124-73-2
1,2-DICHLORO-1,1,2,3,3-PENTAFLUOROP	0.99	1.0596	1	0.9891	422-44-6
1,2-DICHLORO-1,1-DIFLUOROETHANE	0.99	1.0443	1	0.9498	1649-08-7
1,2-DICHLOROTETRAFLUOROETHANE	0.99	1.0468	1	0.9801	76-14-2
1,2-METHYLENEDIOXY-4-PROPENYL BENZE	0.99	0.2655	0.2659	0.2644	120-58-1
1,3 BUTANEDIOL DINITRATE	0.6105	0.0488	0.1403	0.1627	
1,3 DIBROMOBENZENE	0.99	0.657	0.9343	0.6309	108-36-1
1,3 DIBROMOPROPANE	0.99	0.5646	0.9799	0.5847	109-64-8
1,3 DICHLOROBENZENE (-M)	0.99	1.1341	1	0.6633	541-73-1
1,3 DICHLOROPROPANE	0.99	1.0466	1	0.6876	142-28-9
1,3 DICHLOROPROPENE	0.99	1.071	1	0.6577	542-75-6
1,3 DIFLUOROBENZENE	0.99	1.1741	1	0.8275	372-18-9
1,3 DIMETHYLNAPHTHALENE	0.99	1.2136	0.9873	0.4419	575-41-7
1,3 PROPANEDIOL DINITRATE*	0.4061	0.0115	0.0416	0.1089	3457-90-7
1,3,5 CYCLOHEPTATRIENE	0.99	1.2064	1	0.7682	544-25-2
1,3,5 TRICHLOROBENZENE	0.99	1.1142	1	0.5522	108-70-3
1,3-DICHLORO-1,1,2,3,3-PENTAFLUOROP	0.99	1.108	1	0.9332	136013-79-1
1,3-DICHLORO-1,2,2,3,3-PENTAFLUOROP	0.99	1.0596	1	0.9891	507-55-1
1,3-DIOXOLANE	0.758	0.5994	0.9376	0.3562	646-06-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1,3-PROPANEDIOL, 2-BROMO-2-NITRO-	0.1331	0.0223	0.055	0.0386	52-51-7
1,4 BUTANEDIOL DINITRATE	0.3897	0.0244	0.0718	0.081	
1,4 DIBROMOBENZENE	0.99	0.657	0.9343	0.6322	106-37-6
1,4 DICHLORO-2-BUTENE	0.99	1.0789	1	0.5114	764-41-0
1,4 DICHLOROBENZENE (-P)	0.99	1.1341	1	0.6776	106-46-7
1,4 DIFLUOROBENZENE	0.99	1.1741	1	0.8276	
1,4 DIMETHYLNAPHTHALENE	0.99	1.207	0.9819	0.4133	571-58-4
1,4 DIOXANE	0.3866	0.6183	0.8689	0.2085	123-91-1
1,4 PENTADIENE	0.99	1.1675	1	0.9654	591-93-5
1,4 PENTANEDIOL DINITRATE	0.8447	0.0586	0.146	0.18	
1,4-DICHLORO-2-BUTENE(TRANS)	0.99	1.0789	1	0.4028	110-57-6
1,5 DICHLOROPENTANE	0.99	1.0559	0.9999	0.548	
1,5 DIMETHYLNAPHTHALENE	0.99	1.2183	0.9911	0.4308	571-61-9
1,5 HEXADIENE	0.99	1.1548	1	0.9618	592-42-7
1,5 HEXANEDIOL DINITRATE	0.9525	0.0597	0.1332	0.1963	
1,5 PENANEDIOL DINITRATE	0.5838	0.0324	0.0821	0.0875	
1,6 HEXANEDIOL DINITRATE	0.5794	0.0347	0.0785	0.0668	
1,7 HEPTANEDIOL DINITRATE	0.6882	0.1842	0.3223	0.1252	
1,8 OCTANEDIOL DINITRATE	0.9198	0.0305	0.0587	0.0999	
1112TETRACHLORO22DIFLUOROETHANE	0.99	1.039	1	0.9362	76-11-9
1-BROMODECANE	0.99	0.8404	0.9824	0.5049	112-29-8
1-BROMONONANE	0.99	0.8393	1	0.499	693-58-3
1-CHLORO-1,1-DIFLUOROETHANE	0.99	1.0498	1	0.9518	75-68-3
1-CHLORO-1,2,2,2-TETRAFLUOROETHANE	0.99	1.0586	1	0.9796	2837-89-0
1-CHLORO-4-ISOCYANATOBENZENE	0.7589	0.6554	0.6254	0.0815	104-12-1
1-ETHOXY-HEXANE	0.99	0.958	1	0.6156	5756-43-4
1-ETHOXY-OCTANE	0.99	0.982	1	0.5348	929-61-3
1H IMIDAZOLE*	0.99	0.0006	0.0009	0.119	288-32-4

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
1-METHYL NAPHTHALENE	0.99	1.2036	0.973	0.4355	90-12-0
1-NITROPROPANE	0.9772	0.4963	0.9333	0.4286	108-03-2
1-PENTANOL (AMYLALCOHOL)	0.8446	0.399	0.4545	0.1935	71-41-0
1-PENTENE	0.99	1.1236	1	0.9787	109-67-1
1-PROPOXY 2-PROPANOL	0.5595	0.1464	0.1827	0.1279	1569-01-3
2 AMINO-4-CHLORO-6-CYANOPYRIDINE*	0.99	0.0018	0.0022	0.4727	
2 BROMO 2 METHYL PROPANE	0.99	0.7246	1	0.9332	507-19-7
2 BROMOPROPANE	0.99	0.6765	1	0.8823	75-26-3
2 BUTANOL (SEC BUTANOL)	0.7458	0.5133	0.6003	0.2281	78-92-2
2 BUTANONE (METHYL ETHYL KETONE, ME	0.9583	0.872	0.99	0.3693	78-93-3
2 BUTEN 1 0L	0.1919	0.4201	0.4785	0.0929	6117-91-5
2 BUTEN 3 ONE (METHYL VINYL KETONE)	0.5437	0.9082	0.991	0.3991	78-94-4
2 BUTYL NITRATE (ISOBUTYL NITRATE)	0.99	0.5294	0.9951	0.7127	543-29-3
2 CHLORO 1,1,1 TRIFLUOROETHANE R133	0.99	1.0497	1	0.9178	
2 CHLOROANILINE	0.99	0.2452	0.2381	0.8929	95-51-2
2 CHLOROBENZYL ALCOHOL	0.2746	0.0577	0.0559	0.0544	17849-38-6
2 CHLOROBUTANE	0.99	1.0731	1	0.9024	78-86-4
2 CHLOROETHYLVINYLETHER	0.99	0.9343	0.9998	0.951	110-75-8
2 CHLORONAPHTHALENE	0.99	1.1768	0.9802	0.4038	91-58-7
2 CHLOROPENTANE	0.99	1.0722	1	0.9249	625-29-6
2 CHLOROPHENOL	0.3233	0.2447	0.2398	0.1583	95-57-8
2 ETHYLHEXYL DODECANOATE	0.99	0.9301	0.9362	0.5374	
2 ETHYLHEXYL HEXANOL	0.99	0.059	0.058	0.2515	
2 ETHYLNAPHTHALENE	0.99	1.209	0.9848	0.4308	939-27-5
2 HEPTANONE	0.99	0.804	0.8383	0.4062	110-43-0
2 IODOPROPANE	0.99	0.4842	1	0.8532	75-30-9

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2 METHYL 1 BUTANOL (ISOPENTANOL)	0.8801	0.5322	0.5961	0.213	137-32-6
2 METHYL 1 PROPANOL (ISOBUTANOL)	0.8212	0.6466	0.7563	0.3373	78-83-1
2 METHYL 1-PENTENE	0.99	1.1251	1	0.9704	763-29-1
2 METHYL 2 BUTANOL (TERT-PENTANOL	0.6745	0.7792	0.8644	0.2096	75-85-4
2 METHYL 2 BUTENE	0.99	1.1428	1	0.9745	513-35-9
2 METHYL 2 PENTANOL	0.9264	0.8054	0.8682	0.2799	590-36-3
2 METHYL 2 PROPANOL (TERT-BUTANOL)	0.7145	0.85	0.9826	0.2529	75-65-0
2 METHYL 3 BUTEN 2 OL	0.6663	0.8558	0.9194	0.2238	115-18-4
2 METHYL 3 PENTANOL	0.8368	0.7367	0.7892	0.286	565-67-3
2 METHYL OCTANE	0.99	1.0975	1	0.9796	3221-61-2
2 METHYL TETRAHYDROFURAN	0.9587	0.9136	1	0.4001	96-47-9
2 METHYL THIOPHENE	0.99	0.815	1	0.7017	554-14-3
2 METHYLHEXANE C7H16	0.99	1.0987	1	0.9826	591-76-4
2 METHYLNAPHTHALENE	0.99	1.2271	0.9919	0.4303	91-57-6
2 METHYLNONANE	0.99	1.0971	1	0.9782	871-83-0
2 METHYLPROPENAL (METHACROLEIN)	0.99	0.9108	0.9999	0.5612	78-85-3
2 METHYLPROPYLMETHANOATE (ISOBUTYL F	0.99	0.7792	1	0.5839	542-55-2
2 NITROPHENOL	0.99	0.011	0.0161	0.4755	88-75-5
2 NITROTOLUENE	0.8278	0.5343	0.6574	0.1584	88-72-2
2 NONANONE	0.99	0.5965	0.6053	0.4249	821-55-6
2 OCTANONE	0.99	0.7078	0.7269	0.4004	111-13-7
2 PENTANONE	0.9534	0.8888	0.971	0.3905	107-87-9
2 PENTENE	0.99	1.1314	1	0.9743	109-68-2
2 PENTYL NITRATE	0.99	0.5825	0.9855	0.7165	21981-48-6
2 PROPANOL (ISOPROPANOL)	0.4509	0.74	0.9257	0.2073	67-63-0
2 PROPEN 1 OL (ALLYL ALCOHOL)	0.2713	0.5397	0.661	0.1574	107-18-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2 PROPYL NITRATE	0.99	0.4568	0.9993	0.742	1712-64-7
2 PYRROLIDONE	0.2495	0.0526	0.0985	0.0942	616-45-5
2 UNDECANONE	0.99	0.4642	0.4627	0.4243	112-12-9
2,2 DIMETHYL 1 PROPANOL	0.8096	0.7792	0.8644	0.2514	75-84-3
2,2 DIMETHYL PROPANOIC ACID	0.2191	0.1446	0.1839	0.0639	75-98-9
2,2 DIMETHYLBUTANE C6H14	0.99	1.1082	1	0.9809	75-83-2
2,2 DIMETHYLHEPTANE	0.99	1.1033	1	0.9798	1071-26-7
2,2 DIMETHYLHEXANE	0.99	1.1045	1	0.9765	590-73-8
2,2 DIMETHYLOCTANE	0.99	1.1023	1	1.024	15869-87-1
2,2 DIMETHYLPENTANE	0.99	1.1061	1	0.9827	590-35-2
2,2' PCB	0.99	1.1368	0.9657	0.3445	13029-08-8
2,2,2 TRIFLUOROETHANOL	0.4198	0.8821	1	0.2656	79-89-8
2,2,3 TRIMETHYLBUTANE	0.99	1.1194	1	0.9787	464-06-2
2,2,3 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9793	52896-92-1
2,2,3 TRIMETHYLHEXANE	0.99	1.1137	1	0.9806	16747-25-4
2,2,3 TRIMETHYLPENTANE	0.99	1.1162	1	0.9801	564-02-3
2,2',3,3' PCB	0.99	1.1414	0.9992	0.291	38444-93-8
2,2,3,3 TETRAFLUORO 1 PROPANOL	0.0926	0.9412	1	0.1072	
2,2,3,3 TETRAMETHYLBUTANE	0.99	1.1228	1	0.9814	594-82-1
2,2,3,3 TETRAMETHYLHEXANE	0.99	1.117	1	0.9812	13475-81-5
2,2,3,3 TETRAMETHYLPENTANE	0.99	1.1195	1	0.9814	7154-79-2
2,2,3,3,3 PENTAFLUORO 1 PROPANOL	0.2233	0.9481	1	0.2059	
2,2,3,3,4 PENTAMETHYLPENTANE	0.99	1.1263	1	0.9816	16747-44-7
2,2',3,3',4,4' PCB (M)	0.974	0.045	0.045	0.1538	383832-07-3
2,2,3,4 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9805	52897-08-2
2,2,3,4 TETRAMETHYLPENTANE	0.99	1.1241	1	0.9811	1186-53-4
2,2,3,4,4 PENTAMETHYLPENTANE	0.99	1.1263	1	0.9815	16747-45-8
2,2,3,5 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9796	52897-09-3
2,2,4 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9788	14720-74-2

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2,2,4 TRIMETHYLHEXANE	0.99	1.1137	1	0.9799	16747-26-5
2,2,4,4 TETRAMETHYLHEXANE	0.99	1.117	1	0.981	517532-65-3
2,2,4,4 TETRAMETHYLPENTANE	0.99	1.1195	1	0.9806	1070-87-7
2,2',4,4',5,5' PCB	0.99	1.1207	1	0.2492	35065-27-1
2,2',4,4',6,6' PCB	0.99	1.1207	1	0.3667	33979-03-2
2,2,4,5 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9794	16747-42-5
2,2',4,5,5' PCB (M)	0.99	0.0615	0.0615	0.3335	376832-73-2
2,2',4,6,6' PCB	0.99	1.1303	1	0.388	56558-16-8
2,2,5 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9896	20291-95-6
2,2,5 TRIMETHYLHEXANE C9H20	0.99	1.1137	1	0.9805	3522-94-9
2,2',5,5' PCB	0.99	1.1414	0.9992	0.3249	35693-99-3
2,2,5,5 TETRAMETHYLHEXANE	0.99	1.117	1	0.9791	1071-81-4
2,2',5,6' PCB	0.99	1.1414	0.9992	0.3375	41464-41-9
2,2,6 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9791	1190-83-6
2,2',6,6' PCB	0.99	1.1414	0.9992	0.3577	15968-05-5
2,2-DICHLOROPROPANE	0.99	1.052	1	0.8052	594-20-7
2,2'-OXYBIS(2-CHLOROPROPANE)*	0.99	0.9553	0.9851	0.4319	39638-32-9
2,3 BUTANEDIOL DINITRATE	0.9438	0.0883	0.2485	0.3214	
2,3 DICHLORO 1 PROPENE	0.99	1.071	1	0.7804	78-88-6
2,3 DIMETHYL 1,3 BUTADIENE	0.99	1.1681	1	0.9417	513-81-5
2,3 DIMETHYL 2 BUTANOL	0.8872	0.8382	0.891	0.2814	594-60-5
2,3 DIMETHYLBUTANE C6H14	0.99	1.115	1	0.98	79-29-8
2,3 DIMETHYLHEPTANE	0.99	1.1079	1	0.9796	3074-71-3
2,3 DIMETHYLHEXANE	0.99	1.1097	1	0.9798	584-94-1
2,3 DIMETHYLNAPHTHALENE	0.99	1.1936	0.971	0.4259	581-40-8
2,3 DIMETHYLOCTANE	0.99	1.1065	1	0.9794	7146-60-3
2,3 DIMETHYLPENTANE C7H16	0.99	1.112	1	0.9786	589-59-3
2,3,3 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9804	52896-93-2
2,3,3 TRIMETHYLHEXANE	0.99	1.1137	1	0.9799	16747-28-7
2,3,3 TRIMETHYLPENTANE	0.99	1.1162	1	0.9814	560-21-4

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2,3,3,4 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9878	52897-10-6
2,3,3,4 TETRAMETHYLPENTANE	0.99	1.1241	1	0.9814	16747-38-9
2,3,3,5 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9801	52897-11-7
2,3,4 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9797	52896-95-4
2,3,4 TRIMETHYLHEXANE	0.99	1.1183	1	0.9806	921-47-1
2,3,4 TRIMETHYLPENTANE C8H18	0.99	1.1214	1	0.9768	565-75-3
2,3,4,4 TETRAMETHYLHEXANE	0.99	1.1211	1	0.9809	52897-12-8
2,3,4,5 TETRAMETHYLHEXANE	0.99	1.1252	1	0.9798	52897-15-1
2,3',5 PCB	0.99	1.1487	0.9925	0.3318	38444-81-4
2,3,5 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9797	
2,3,5 TRIMETHYLHEXANE	0.99	1.1183	1	0.9799	1069-53-0
2,3,5,6 TETRACHLOROPHENOL	0.99	0.1658	0.1619	0.9882	935-95-5
2,3,6 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9796	4032-93-3
2,3-DICHLORO-1,1,1,2,3-PENTAFLUOROPANE	0.99	1.0593	1	0.989	422-48-0
2,3-DIMETHYLPYRIDINE	0.5537	0.8666	0.8273	0.1191	583-61-9
2,4 DICHLOROANILINE	0.3974	0.163	0.1583	0.033	554-00-7
2,4 DICHLOROPHENOL	0.99	0.1575	0.1541	0.218	120-83-2
2,4 DIMETHYL 3 ISOPROPYLPENTANE	0.99	1.1252	1	0.9801	13475-79-1
2,4 DIMETHYLHEPTANE	0.99	1.1079	1	0.9795	2213-23-2
2,4 DIMETHYLHEXANE	0.99	1.1097	1	0.9806	589-43-5
2,4 DIMETHYLOCTANE	0.99	1.1065	1	0.9791	4032-94-4
2,4 DIMETHYLPENTANE C7H16	0.99	1.112	1	0.9822	108-08-7
2,4,4' PCB	0.99	1.1487	0.9925	0.3198	7012-37-5
2,4,4 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9794	4032-92-2
2,4,4 TRIMETHYLHEXANE	0.99	1.1137	1	0.9804	16747-30-1
2,4,5 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9794	20278-84-6
2,4,5-T TRIETHYLAMMONIUM SALT (M)	0.99	0.999	0.999	0.4728	57213-69-1
2,4,6 PCB	0.99	1.1487	0.9925	0.3812	35693-92-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2,4,6 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9787	2613-61-8
2,4/2,6-TOLUENEDIISOCYANATE (M)	0.99	0.999	0.999	0.4728	26471-62-5
2,4-D, ISOPROPYL ESTER*	0.99	0.8643	0.8741	0.3544	94-11-1
2,4-D, SODIUM SALT (M)	0.99	0.999	0.999	0.4728	2702-72-9
2,4-DICHLOROPHENOXYACETIC ACID, 2-B	0.99	0.0337	0.0383	0.0738	1320-18-9
2,4'-DIISOCYANATODIPHENYL SULFID(M)	0.99	0.999	0.999	0.4728	757932-87-3
2,4-DIMETHYLPYRIDINE	0.5142	0.8882	0.848	0.1129	108-47-4
2,4-PENTANEDIONE	0.2534	0.1668	0.2097	0.0626	123-54-6
2,5 DIMETHYLHEPTANE	0.99	1.1079	1	0.9803	2216-30-0
2,5 DIMETHYLHEXANE	0.99	1.1097	1	0.9803	592-13-2
2,5 DIMETHYLOCTANE	0.99	1.1065	1	0.9794	
2,5 DIMETHYLTETRAHYDROFURAN	0.99	.	.	0.4181	1003-38-9
2,5 HEXANEDIOL DINITRATE	0.8628	0.0964	0.2119	0.1841	
2,5 PCB	0.99	1.1318	0.9615	0.3507	34883-39-1
2,5,5 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9793	
2,5-DIHYDROFURAN	0.0669	0.9029	1	0.0732	1708-29-8
2,5-DIMETHYLPYRIDINE	0.6013	0.9007	0.8599	0.1334	589-93-5
2,6 DICHLOROPHENOL	0.8462	0.2134	0.2087	0.0725	87-65-0
2,6 DIMETHYLHEPTANE	0.99	1.1079	1	0.9799	1072-05-5
2,6 DIMETHYLNAPHTHALENE	0.99	1.2183	0.9911	0.491	581-42-0
2,6 DIMETHYLOCTANE	0.99	1.1065	1	0.9794	2051-30-1
2,6-DIMETHYL 2,5-HEPTADIEN 4-ONE	0.99	0.9006	0.863	0.4263	504-20-1
2,6-DIMETHYLANILINE	0.4293	0.1481	0.14	0.0385	87-62-7
2,6-DIMETHYLPHENOL	0.98	0.0774	0.0739	0.108	576-26-1
2,6-DIMETHYLPYRIDINE	0.7136	1.0053	0.9597	0.1619	108-48-5
2,7 DICHLORODIBENZO[B,E][1,4] DIOXIN	0.99	0.0363	0.035	0.2128	33857-26-0
2,7 DIMETHYLOCTANE	0.99	1.1065	1	0.9791	1072-16-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
2-AMINO-3-CHLORO-5-PHENYLCYCLOHEXAN	0.0511	0.0025	0.0024	0.0431	
2-CHLORO 2-METHYLBUTANE	0.99	1.0776	1	0.9127	594-36-5
2-CHLORO-N-(2-CHLOROETHYL)-N-METHYL	0.99	0.4299	0.4484	0.6379	51-75-2
2-ETHYL 3-METHOXYPYRAZINE	0.99	0.1712	0.2113	0.1717	25680-58-4
2-ETHYL HEXANAL	0.99	0.8676	0.8882	0.5247	123-05-7
2-ETHYL-4-METHYLPENTYL-2,4-DICHL(M)	0.99	0.999	0.999	0.4728	53404-37-8
2-ETHYLHEXANOL	0.99	0.2563	0.2676	0.2895	104-76-7
2-ETHYLHEXYL ACRYLATE	0.99	0.5748	0.6135	0.3785	103-11-7
2-ETHYLPYRAZINE	0.9899	0.844	0.952	0.0607	13925-00-3
2-ETHYLPYRIDINE	0.8881	0.8335	0.8007	0.2064	100-71-0
2-FLUOROPROPANE	0.99	1.0988	1	0.9171	420-26-8
2-ISOBUTYL 3-METHOXYPYRAZINE	0.99	0.1576	0.1819	0.2819	24683-00-9
2-ISOBUTYLPYRAZINE*	0.99	0.1117	0.122	0.0811	
2-METHYL PENTANE C6H14	0.99	1.0995	1	0.9755	107-83-5
2-METHYLPYRAZINE	0.9032	0.8413	0.9897	0.0644	109-08-0
2-PENTANOL (SEC-PENTANOL)	0.8414	0.6891	0.7717	0.2168	6032-29-7
2-PHENYLPHENOL, SODIUM SALT (M)	0.99	0.999	0.999	0.4728	132-27-4
2-PICOLINE (ALPHA PICOLINE)	0.7389	0.8219	0.7955	0.1728	109-06-8
3 BROMO 1 PROPENE (ALLYL BROMIDE)	0.99	0.6827	1	0.8323	
3 CHLOROANILINE	0.99	0.1084	0.1053	0.893	108-42-9
3 CHLOROBENZYL ALCOHOL	0.8519	0.0345	0.0334	0.0544	873-63-2
3 CHLOROPENTANE	0.99	1.0722	1	0.9224	616-20-6
3 CHLOROPHENOL	0.6064	0.0361	0.0353	0.0634	108-43-0
3 ETHYL 2 METHYLHEPTANE	0.99	1.1065	1	0.9794	14676-29-0
3 ETHYL 2 METHYLHEXANE	0.99	1.1079	1	0.9802	16789-46-1
3 ETHYL 2 METHYLPENTANE	0.99	1.1097	1	0.981	609-26-7
3 ETHYL 2,2 DIMETHYLHEXANE	0.99	1.1117	1	0.9853	20291-91-2

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
3 ETHYL 2,2 DIMETHYLPENTANE	0.99	1.1137	1	0.9807	16747-32-3
3 ETHYL 2,2,3 TRIMETHYLPENTANE	0.99	1.117	1	0.9816	52897-17-3
3 ETHYL 2,2,4 TRIMETHYLPENTANE	0.99	1.1211	1	0.9808	52897-18-4
3 ETHYL 2,3 DIMETHYLHEXANE	0.99	1.1117	1	0.9806	52897-00-4
3 ETHYL 2,3 DIMETHYLPENTANE	0.99	1.1137	1	0.9809	
3 ETHYL 2,3,4 TRIMETHYLPENTANE	0.99	1.1211	1	0.9813	52897-19-5
3 ETHYL 2,4 DIMETHYLHEXANE	0.99	1.1159	1	0.9946	7220-26-0
3 ETHYL 2,4 DIMETHYLPENTANE	0.99	1.1183	1	0.9799	1068-87-7
3 ETHYL 2,5 DIMETHYLHEXANE	0.99	1.1159	1	0.9798	52897-04-8
3 ETHYL 3 METHYLHEPTANE	0.99	1.1023	1	0.9803	17302-01-1
3 ETHYL 3 METHYLHEXANE	0.99	1.1033	1	0.9809	
3 ETHYL 3,4 DIMETHYLHEXANE	0.99	1.1117	1	0.9802	52897-06-0
3 ETHYL 4 METHYLHEPTANE	0.99	1.1065	1	0.9802	52896-91-0
3 ETHYL 4 METHYLHEXANE	0.99	1.1079	1	0.9798	3074-77-9
3 ETHYLHEPTANE	0.99	1.0975	1	0.9843	15869-80-4
3 ETHYLHEXANE	0.99	1.098	1	0.9799	619-99-8
3 ETHYLOCTANE	0.99	1.0971	1	0.9789	5881-17-4
3 ETHYLTHIOPHENE	0.99	0.8547	1	0.5547	52006-63-0
3 ISOPROPYL 2 METHYLHEXANE	0.99	1.1159	1	0.9817	
3 METHYL 1 BUTENE	0.99	1.1427	1	0.9811	563-45-1
3 METHYL 2 NITROPHENOL	0.754	0.0075	0.0104	0.0623	4920-77-8
3 METHYL PYRIDINE (3 PICOLINE)	0.8234	0.6853	0.6633	0.1373	108-99-6
3 METHYLHEPTANE C8H18	0.99	1.098	1	0.9809	589-81-1
3 METHYLHEXANE C7H16	0.99	1.0987	1	0.9864	589-34-4
3 METHYLNONANE	0.99	1.0971	1	0.9845	5911-04-6
3 METHYLOCTANE	0.99	1.0975	1	0.98	2216-33-3
3 METHYLTHIOPHENE	0.99	0.815	1	0.8252	
3 NITROTOLUENE	0.7961	0.4754	0.585	0.1309	99-08-1
3 PENTANONE	0.9634	0.9178	0.9962	0.4001	96-22-0
3 PENTYL NITRATE	0.99	0.591	0.9999	0.7063	82944-59-32

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
3,3 DIETHYL 2 METHYLPENTANE	0.99	1.1117	1	0.9817	52897-16-2
3,3 DIETHYLHEXANE	0.99	1.1023	1	1.025	17302-02-2
3,3 DIETHYLPENTANE	0.99	1.1033	1	0.988	1067-20-5
3,3 DIMETHYLHEPTANE	0.99	1.1033	1	0.9802	4032-86-4
3,3 DIMETHYLHEXANE	0.99	1.1045	1	0.9816	563-16-6
3,3 DIMETHYLPENTANE C7H16	0.99	1.1061	1	0.9802	562-49-2
3,3' PCB	0.99	1.1368	0.9657	0.3197	2050-67-1
3,3,4 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9799	
3,3,4 TRIMETHYLHEXANE	0.99	1.1137	1	0.9809	16747-31-2
3,3',4,4' PCB	0.99	1.1414	0.9992	0.2368	32598-13-3
3,3,4,4 TETRAMETHYLHEXANE	0.99	1.117	1	0.9822	5171-84-6
3,3,5 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9801	7154-80-5
3,3'-DICHLOROBENZIDINE DIHYDROCH(M)	0.99	0.999	0.999	0.4728	612-83-9
3,3'-DIMETHYLBENZIDINE DIHYDROCH(M)	0.99	0.999	0.999	0.4728	612-82-8
3,4 DIETHYLHEXANE	0.99	1.1065	1	0.9804	19398-77-7
3,4 DIMETHYLHEPTANE	0.99	1.1079	1	0.9797	922-28-1
3,4 DIMETHYLHEXANE	0.99	1.1097	1	0.9804	583-48-2
3,4 DIMETHYLOCTANE	0.99	1.1065	1	0.9799	
3,4' PCB	0.99	1.1368	0.9657	0.3108	2974-92-7
3,4,4 TRIMETHYLHEPTANE	0.99	1.1117	1	0.9835	20278-88-0
3,4,5 TRIMETHYLHEPTANE	0.99	1.1159	1	0.9839	20278-87-9
3,4-DIMETHYLPYRIDINE	0.3779	0.6303	0.6017	0.0732	583-58-4
3,4-DINITROTOLUENE	0.7051	0.0964	0.1582	0.1032	610-39-9
3,5 DIMETHYLHEPTANE	0.99	1.1079	1	0.9798	926-82-9
3,5 DIMETHYLOCTANE	0.99	1.1065	1	0.9787	15869-93-9
3,5-DIBROMO-4-HYDROXYBENZONITRILE	0.7294	0.04	0.0588	0.0403	1689-84-5
3,5-DIMETHYLPYRIDINE	0.6486	0.7172	0.6847	0.1204	591-22-0
3,6 DIMETHYLOCTANE	0.99	1.1065	1	0.9794	15869-94-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
3-CHLORO-2-METHYLPROPENE	0.99	1.0981	1	0.7381	563-47-3
3-CHLOROPHTHALIC ANHYDRIDE	0.1981	0.0038	0.0042	0.0528	117-21-5
3-ETHYLPENTANE	0.99	1.0987	1	0.9803	617-78-7
3-ETHYLPRYIDINE	0.9467	0.4816	0.4627	0.154	
3-HEXANOL	0.9745	0.6243	0.6783	0.326	623-37-0
3-METHYLINDOLE SKATOLE	0.7271	0.1209	0.11	0.0407	83-34-1
3-PENTEN-2-OL	0.8844	0.6095	0.6564	0.3194	1569-50-2
4 (1 METHYLPROPYL) 2 NITROPHENOL	0.99	0.003	0.0038	0.2255	3555-18-8
4 BROMOTOLUENE (P)	0.99	0.8593	0.9999	0.6733	106-38-7
4 CHLORO 2 NITROPHENOL	0.99	0.003	0.004	0.1298	89-64-5
4 CHLORO 5 METHYL 2 NITROPHENOL	0.99	0.0047	0.006	0.1694	7147-89-9
4 CHLOROBENZYL ALCOHOL	0.2508	0.0403	0.039	0.0544	873-76-7
4 CHLOROBIPHENYL	0.99	1.1038	0.9166	0.7593	2051-62-9
4 ETHYL 2 METHYLHEPTANE	0.99	1.1065	1	0.9852	52896-88-5
4 ETHYL 2 METHYLHEXANE	0.99	1.1079	1	0.9797	3074-75-7
4 ETHYL 2,2 DIMETHYLHEXANE	0.99	1.1117	1	0.9793	52896-99-8
4 ETHYL 2,3 DIMETHYLHEXANE	0.99	1.1159	1	1.0257	52897-01-5
4 ETHYL 2,4 DIMETHYLHEXANE	0.99	1.1117	1	0.9803	52897-03-7
4 ETHYL 3 METHYLHEPTANE	0.99	1.1065	1	0.9796	52896-89-6
4 ETHYL 3,3 DIMETHYLHEXANE	0.99	1.1117	1	0.9802	52897-05-9
4 ETHYL 4 METHYLHEPTANE	0.99	1.1023	1	0.9804	17302-04-4
4 ETHYLHEPTANE	0.99	1.0975	1	0.9795	2216-32-2
4 ETHYLOCTANE	0.99	1.0971	1	0.9833	15869-86-0
4 ISOPROPYLHEPTANE	0.99	1.1065	1	0.9799	52896-87-4
4 METHOXY 2 NITROPHENOL	0.99	0.0002	0.0002	0.2587	1568-70-3
4 METHYL 1 PENTENE	0.99	1.1344	1	0.9777	691-37-2
4 METHYL 2 NITROPHENOL	0.99	0.012	0.0165	0.1673	119-33-5
4 METHYL 2 PENTANOL	0.907	0.6795	0.7279	0.3134	108-11-2
4 METHYLHEPTANE	0.99	1.098	1	0.9809	589-53-7

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
4 METHYLNONANE	0.99	1.0971	1	0.9784	17301-94-9
4 METHYLOCTANE C9H20	0.99	1.0975	1	0.9818	2216-34-4
4 NITROTOLUENE (-P)	0.5589	0.3392	0.4174	0.0917	99-99-0
4 PROPYLHEPTANE	0.99	1.0971	1	0.9792	3178-29-8
4,4 DIMETHYLHEPTANE	0.99	1.1033	1	0.9795	1068-19-5
4,4 DIMETHYLHEXANE	0.99	1.1045	1	0.9836	28777-67-5
4,5 DIMETHYLOCTANE	0.99	1.1065	1	0.9791	
4-CHLORO-5-PHENOXYDIMETHYL PHTHALAT	0.99	0.005	0.0053	0.9435	
4-ETHYLPYRIDINE	0.8907	0.5804	0.5575	0.1324	536-75-4
4-METHYLPYRIDINE	0.7464	0.667	0.6456	0.1157	108-89-4
5 ETHYL 2 METHYLHEPTANE	0.99	1.1065	1	0.9789	
5 FLUORO 2 NITROPHENOL	0.99	0.0158	0.0217	0.1843	446-36-6
5 METHYL 2 NITROPHENOL	0.99	0.0015	0.0021	0.1588	700-38-9
5 METHYLNONANE	0.99	1.0971	1	0.9792	15869-85-9
5-METHYLCHRYSENE	0.99	0.0849	0.0677	0.0511	3697-24-3
8 METHYL 1-DECENE	0.99	1.1158	1	0.8666	61142-79-8
ABAMECTIN (M)	0.99	0.999	0.999	0.4728	71751-41-2
ACENAPHTHENE	0.99	1.175	0.9451	0.3357	83-32-9
ACENAPHTHYLENE	0.99	1.0937	0.8678	0.313	208-96-8
ACETALDEHYDE	0.9531	0.7241	1	0.5037	75-07-0
ACETONITRILE	0.6407	0.7783	0.9893	0.354	75-05-8
ACETOPHENONE	0.735	0.2943	0.2765	0.138	98-86-2
ACETYL CHLORIDE	0.99	0.8611	1	0.5794	75-36-5
ACETYL DIETHYLMALONATE	0.9868	0.0025	0.0035	0.167	570-08-1
ACETYL KETENE, DIKETENE	0.125	0.6151	0.8122	0.0788	674-82-8
ACETYLAMINOFLUORENE,2-	0.99	0.4685	0.4695	0.2303	53-96-3
ACETYLFURAN 2*	0.6567	0.4121	0.4775	0.1679	1192-62-7
ACETYLPYRIDINE 3	0.99	0.0168	0.0182	0.9661	1122-54-9
ACIFLUORFEN	0.99	0.1371	0.157	0.2953	50594-66-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
ACRYLAMIDE, N-(HYDROXYMETHYL)-	0.99	0.3881	0.8355	0.4839	924-42-5
ACRYLONITRILE	0.9689	0.5999	0.9998	0.4631	107-13-1
ADAMANTANE DICHLORIDE	0.99	0.8046	0.7229	0.4843	
ALDRIN	0.99	0.05	0.0452	0.3418	309-00-2
ALKYLIMINE CARBOXYLIC ACID N,SUB(M)	0.8482	0.125	0.125	0.0864	
ALLYL CHLORIDE (3-CHLORO-1-PROPENE)	0.99	1.0918	1	0.841	107-05-1
ALLYL ETHER, DIALLYL ETHER	0.99	0.9734	1	0.6267	557-40-4
ALLYL MERCAPTAN	0.99	0.6447	1	0.7272	870-23-5
ALLYLAMINE	0.6786	0.818	0.9705	0.3004	107-11-9
ALPHA METHYL STYRENE	0.99	1.2172	1	0.7293	98-83-9
ALPHA METHYL STYRENE DIMERS	0.99	1.1928	0.98	0.7287	
ALPHA-CHLORO-BETA-METHYLNAPHTHALENE	0.99	1.1874	0.9924	0.7129	5859-45-0
ALPHA-HYDROXYADIPIMIDE (M)	0.9247	0.144	0.144	0.1562	
AMINO-2-CHLOROTOLUENE 4	0.99	0.1407	0.1351	0.7565	95-74-9
AMINO-4-NITROBENZYL ALCOHOL 2 (M)	0.7416	0.149	0.149	0.0865	
AMINO-4-NITROTOLUENE 2	0.99	0.0029	0.004	0.7963	99-55-8
AMINO-5-CHLOROPYRIDINE 2	0.99	0.0054	0.0059	0.464	1072-98-6
AMINOBENZOIC ACID (-P)	0.4105	0.0002	0.0003	0.0029	150-13-0
AMINOCYCLOHEXANE	0.5831	0.8471	0.9077	0.166	108-91-8
AMINO-P'-METHYLAZOBENZENE P (M)	0.99	0.119	0.119	0.7347	
AMINOPROPIONITRILE 3	0.8851	0.0205	0.0299	0.2172	151-18-8
AMPHETAMINE	0.99	0.611	0.5749	0.3617	300-62-9
AMYL MERCAPTAN	0.99	0.746	1	0.6807	110-66-7
ANETHOLE	0.99	0.6028	0.5586	0.4109	104-46-1
ANTHRACENE	0.99	0.1088	0.0867	0.2857	120-12-7
AZEPINE*	0.99	0.3584	0.34	0.8088	
AZIRIDINE ETHYLENE IMINE	0.7773	0.7247	1	0.2962	151-56-4

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
BENEFIN	0.99	0.0161	0.0207	0.3042	1861-40-1
BENZAL CHLORIDE	0.99	1.1345	0.9994	0.4938	98-87-3
BENZALDEHYDE	0.9383	0.4536	0.4303	0.2487	100-52-7
BENZALKONIUM CHLORIDE (M)	0.4082	0.129	0.129	0.0264	
BENZENE	0.99	1.2267	1	0.7721	71-43-2
BENZENE, 1,1'-OXYBIS 4-ISOCYANAT(M)	0.99	0.999	0.999	0.4728	4128-73-8
BENZENE, 1,3-DIISOCYANATO-(M)	0.99	0.999	0.999	0.4728	123-61-5
BENZETHONIUM CHLORIDE	0.3936	0.0328	0.0315	0.1269	121-54-0
BENZIDINE DIHYDROCHLORIDE (M)	0.99	0.0964	0.0964	0.9873	531-85-1
BENZO(A)ANTHRACENE	0.99	0.0203	0.0161	0.1403	56-55-3
BENZODIOXANE-1,3	0.4216	0.2185	0.2327	0.0752	254-27-3
BENZOFURAN 2,3	0.99	1.0611	0.9881	0.3674	271-89-6
BENZONITRILE	0.9866	1.0478	0.9657	0.345	100-47-0
BENZOPHENONE	0.99	0.0118	0.0104	0.7368	119-61-9
BENZOTHIAZOLONE 2(2H)-*	0.9849	0.164	0.1977	0.2841	934-34-9
BENZOTHIOPHENE	0.99	0.8836	0.9275	0.4114	11095-43-5
BENZOTRICHLORIDE	0.99	1.0688	0.9576	0.3948	98-07-7
BENZOYL CHLORIDE	0.9856	0.6213	0.5971	0.3641	98-88-4
BENZYL CHLORIDE	0.99	1.0811	1	0.4646	100-44-7
BENZYL MERCAPTAN	0.99	0.8821	0.982	0.3993	100-53-8
BENZYL METHYL ETHER	0.99	0.9704	0.9267	0.363	538-86-3
BHC,ALPHA-	0.99	1.0633	1	0.0941	319-84-6
BICYCLO(4,2,0) OCTA 1.3.5 TRIENE	0.99	1.2215	1	0.7508	694-87-1
BIFENTHRIN (M)	0.99	0.999	0.999	0.4728	82657-04-3
BIPHENYL	0.99	1.0739	0.8638	0.4056	92-52-4
BIS(1,1,2,2-TETRACHLOROPROPYL) ETHE	0.99	0.9597	1	1.0014	
BIS(2-CHLOROISOPROPYL)ETHER	0.99	0.9476	0.9717	0.3328	108-60-1

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
BIS(2-ETHYLHEXYL)PHTHALATE	0.99	0.0348	0.0361	0.1385	117-81-7
BIS(CHLOROMETHYL)ETHER	0.99	0.8953	1	0.5718	542-88-1
BIS(TRI-N-BUTYLTIN) OXIDE*	0.99	1.0533	0.9942	0.9927	56-35-9
BIURET, DITHIO- (M)	0.99	0.999	0.999	0.4728	541-53-7
BROMACIL*	0.99	0.4252	0.6603	0.3622	314-40-9
BROMO-3-CHLOROBUTADIENE 2	0.99	0.8033	1	0.8066	
BROMO-4-CHLORO-6-CYANOBENZYL ALCOHO	0.9869	0.0217	0.0276	0.1417	
BROMO-4-CHLOROCYCLOHEXANE 1	0.99	0.1873	0.2256	0.9477	
BROMO-4-CYANOMETHYL BENZOATE 2	0.99	0.072	0.0966	0.9473	
BROMO-4-CYANOMETHYL BENZOATE 3	0.99	0.072	0.0966	0.8755	
BROMOACETONE	0.3041	0.4103	0.6759	0.1068	598-31-2
BROMOBENZENE	0.99	0.8334	1	0.6345	108-86-1
BROMOBENZYL ALCOHOL -(M)	0.99	0.0004	0.0005	0.0474	15852-73-0
BROMOBENZYL ALCOHOL -(O)	0.45	0.0242	0.0308	0.0474	18982-54-2
BROMOBENZYL ALCOHOL -(P)	0.45	0.0242	0.0308	0.0474	873-75-6
BROMOCHLOROBENZYL ALCOHOL	0.5214	0.0282	0.0342	0.083	
BROMOCHLORODIFLUOROMETHANE	0.99	0.7536	1	0.9607	353-59-3
BROMOCHLOROMETHANE	0.99	0.6695	1	0.7379	74-97-5
BROMODICHLOROMETHANE	0.99	0.7354	1	0.6619	75-27-4
BROMOETHANE	0.99	0.6105	1	0.8771	74-96-4
BROMOETHYL ACETATE	0.9103	0.4678	0.7963	0.5373	927-68-4
BROMOETHYLENE (VINYL BROMIDE)	0.99	0.6288	1	0.9294	593-60-2
BROMOFORM (TRIBROMOMETHANE)	0.99	0.4795	0.9978	0.4709	75-25-2
BROMOMETHANE	0.99	0.5392	1	0.8614	74-83-9
BROMOPHENYL PHENYL ETHER,4-	0.99	0.096	0.1055	0.286	101-55-3
BROMOPROPIONITRILE 3	0.7182	0.4922	0.799	0.2471	2417-90-5
BROMOTRIFLUOROMETHANE	0.99	0.7258	1	0.9782	75-63-8
BROMOURACIL,5-*	0.9166	0.1224	0.2545	0.3053	51-20-7
BROMOXYNIL OCTANOATE	0.99	0.0205	0.0269	0.144	1689-99-2

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
BUTADIENE-(1,3)	0.99	1.1867	1	0.9434	106-99-0
BUTADIYNE (BIACETYLENE)	0.99	1.28	1	0.8556	460-12-8
BUTANAL (BUTYRALDEHYDE)	0.9892	0.861	0.9922	0.4477	123-72-8
BUTANE	0.99	1.0795	1	0.9856	106-97-8
BUTANENITRILE (BUTYRONITRILE)	0.5213	0.8784	0.9574	0.414	109-74-0
BUTYL ACRYLATE	0.99	0.7805	0.9096	0.483	141-32-2
BUTYL BENZENE	0.99	1.1809	1	0.8089	104-51-8
BUTYL DODECANOATE (BUTYL LAURATE)	0.99	0.9282	0.9604	0.448	106-18-3
BUTYL ETHANOATE (N-BUTYL ACETATE)	0.99	0.8079	0.995	0.4648	123-86-4
BUTYL MERCAPTAN	0.99	0.6919	1	0.8523	109-79-5
BUTYLAMINE	0.9037	0.8159	0.9513	0.2446	109-73-9
BUTYLATE*	0.99	0.4209	0.4414	0.0715	2008-41-5
BUTYLBUTOXY PROPIONATE	0.99	0.1658	0.1741	0.1449	
BUTYLISOBUTYRATE	0.99	0.8341	0.9552	0.4891	97-87-0
C 2,4 PENTANEDIOL DINITRATE	0.8886	0.0984	0.2408	0.2351	
CAMPHENE	0.99	1.1428	1	0.5229	79-92-5
CAPROLACTONE	0.99	0.7449	0.9136	0.3333	502-44-3
CARBON TETRACHLORIDE	0.99	1.0267	1	0.9124	56-23-5
CARBONIC CHLORIDE FLUORIDE	0.5391	0.9044	1	0.4251	
CARBONYL FLUORIDE*	0.5306	0.8842	1	0.376	303-50-4
CARBONYL SULFIDE*	0.99	0.2597	1	0.9806	463-58-1
CHLORACETOPHENONE,2-	0.5486	0.161	0.1524	0.0492	532-27-4
CHLORAL	0.282	0.4443	0.5314	0.0601	302-17-0
CHLORAMIDE*	0.8603	.	.	0.2476	10599-90-3
CHLORDANE	0.99	0.1794	0.1659	0.2268	57-74-9
CHLORENDIC ANHYDRIDE	0.99	0.0118	0.0126	0.1147	115-27-5
CHLORO 2 BUTENE,1 TRANS	0.99	1.0981	1	0.7175	591-97-9
CHLORO 2 PROPANONE	0.4513	0.8829	0.9772	0.2868	
CHLORO(-P)PHENYLHYDRAZINE	0.99	0.0152	0.016	0.4632	1073-69-4

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
CHLORO-1,3-CYCLOPENTADIENE 5	0.99	1.1479	1	0.9532	41851-50-7
CHLORO-2,2-DIBROMOETHANE 1	0.99	0.6164	0.9948	0.5887	
CHLORO-2-METHOXYBENZOIC ACID 4	0.99	0.0042	0.0048	0.7156	57479-70-6
CHLORO-2-NITROBENZYL ALCOHOL 4	0.1512	0.0014	0.0018	0.0515	22996-18-5
CHLORO-3-NITRO-5-PHENYLCYCLOHEXA(M)	0.6312	0.1308	0.1308	0.0539	
CHLORO-3-NITROANILINE 4	0.99	0.006	0.008	0.3965	635-22-3
CHLORO-4-CYANOBENZYL ALCOHOL 2 (M)	0.7433	0.1485	0.1485	0.0936	
CHLORO-4-HYDROXYBIPHENYL 3	0.99	0.0051	0.0046	0.9621	92-04-6
CHLORO-4-METHOXY-6-AMINOBENZOIC (M)	0.99	0.125	0.125	0.4157	
CHLORO-4-METHYL-N-METHYLBENZAMID(M)	0.8323	0.1335	0.1335	0.1047	
CHLORO-4-NITROANISOLE 2	0.2862	0.0381	0.0603	0.0229	4920-79-0
CHLORO-4-PHENYLPYRIDINE 2	0.6946	0.3313	0.2971	0.0996	
CHLORO-5-CYANOPHTHALIC ACID 4 (M)	0.99	0.1123	0.1123	0.9876	
CHLORO-5-CYANOTOLUENE 3 (M)	0.99	0.1495	0.1495	0.6002	
CHLORO-5-FLUOROTOLUENE 3	0.99	1.1514	1	0.4206	443-83-4
CHLOROACETALDEHYDE	0.7616	0.8549	0.9968	0.3537	107-20-0
CHLOROALLYL ALCOHOL 2	0.9269	0.1187	0.1327	0.263	5976-47-6
CHLOROAZOBENZENE	0.99	1.1038	0.9166	0.7646	
CHLOROBENZENE	0.99	1.1662	1	0.6512	108-90-7
CHLOROBENZENESULFONIC ACID (-P)*	0.2734	0.0023	0.0028	0.1062	100-03-8
CHLOROBENZOTRICHLORIDE P	0.99	1.1031	1	0.9395	5216-25-1
CHLOROBENZOTRIFLUORIDE, P	0.99	1.1311	1	0.9527	98-56-6
CHLOROBUTADIENE,1	0.99	1.1237	1	0.9446	
CHLOROCOUMARAN 2	0.99	0.3756	0.3809	0.7982	2051-59-4
CHLOROCROTYL ESTER OF 2,4-D	0.9285	0.1063	0.1098	0.0392	2971-38-2
CHLOROCYANOBENZENE (1,4)	0.99	1.0711	1	0.9916	873-32-5

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
CHLOROCYCLOHEXANE	0.99	1.0811	1	0.9854	542-18-7
CHLOROCYCLOHEXANOL 2	0.99	0.1008	0.1069	0.4916	1561-86-0
CHLOROCYCLOHEXANOL 4	0.99	0.0346	0.0361	0.6743	
CHLORODIACETYL	0.2491	0.1334	0.1615	0.1113	5559-62-6
CHLORODIFLUOROMETHANE (R22)	0.99	1.0823	1	0.9417	75-45-6
CHLORODIFLUORONITROOXYMETHANE	0.99	0.7313	1	0.4613	
CHLORODIMETHYL PHTHALATE 3 (M)	0.99	0.1105	0.1105	0.9518	
CHLORODIPHENYL THIOETHER P (M)	0.99	0.1227	0.1227	0.8049	
CHLOROETHANE (ETHYL CHLORIDE)	0.99	1.0462	1	0.9118	75-00-3
CHLOROETHYLENE (VINYL CHLORIDE)	0.99	1.0808	1	0.9629	75-01-4
CHLOROFLUOROBENZENE P	0.99	1.1516	1	1.0126	352-33-0
CHLOROFLUOROMETHANE* (R31)	0.99	1.0747	1	0.8894	593-70-4
CHLOROFORM	0.99	1.0233	1	0.8047	67-66-3
CHLOROHYDROXYPHENYL4 METHYL BENZ(M)	0.99	0.0938	0.0938	0.9878	
CHLOROIODOMETHANE	0.99	0.486	1	0.698	593-71-5
CHLOROMETHANE (METHYLCHLORIDE)	0.99	1.04	1	0.8583	74-87-3
CHLOROMETHYL ACETYLENE	0.99	1.1206	1	0.7142	624-65-7
CHLOROMETHYL BENZOATE P	0.99	0.5295	0.5535	0.9496	1126-46-1
CHLOROMETHYL ETHYL KETONE	0.99	0.7779	0.8335	0.8094	616-27-3
CHLOROMETHYL METHYL ETHER	0.9368	0.8395	0.9999	0.51	107-30-2
CHLOROMETHYL PHENYLHYDRAZINE P (M)	0.99	0.1465	0.1465	0.4324	
CHLOROMETHYLAMINOIMINE (M)	0.99	0.999	0.999	0.9834	
CHLORONITROALKOXYIMINE (M)	0.9578	0.11	0.11	0.1604	
CHLORONITROBENZENE(-O)	0.99	0.5189	0.6252	0.8136	88-73-3
CHLORONITROBENZENE, P	0.9706	0.5189	0.6252	0.2301	100-00-5
CHLOROPENTAFLUOROETHANE	0.99	1.0512	1	0.9874	76-15-3
CHLOROPENTAFLUOROETHANE R115	0.99	1.0665	1	0.9784	

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
CHLOROPHENYL PHENYL ETHER,4-	0.99	0.4363	0.393	0.3462	7005-72-3
CHLOROPHTHALIC ANHYDRIDE 4	0.1981	0.0038	0.0042	0.0528	
CHLORO-P'-METHYLBIPHENYL P	0.99	1.1484	1	0.7645	1667-11-4
CHLOROPRENE	0.99	1.1237	1	0.9719	126-99-8
CHLOROPROPANE-1	0.99	1.0546	1	0.9033	540-54-5
CHLOROPROPANE-2	0.99	1.0646	1	0.8969	75-29-6
CHLOROPROPIONITRILE,3-	0.4559	0.5798	0.6217	0.1603	542-76-7
CHLOROPROPYLENE-2	0.99	1.0902	1	0.858	557-98-2
CHLORO-P-XYLENE	0.99	1.0879	1	0.6224	104-82-5
CHLOROPYRIDINE 2	0.99	0.3669	0.3603	0.662	109-09-1
CHLOROSTYRENE (-4)	0.99	1.179	1	0.7686	1331-28-8
CHLOROTETRAFLUOROETHANE (M)	0.99	0.999	0.999	0.4728	63938-10-3
CHLOROTETRAHYDROFURAN 3 (M)	0.99	0.6424	0.6424	0.459	
CHLOROTHANONIL	0.9434	0.1912	0.1862	0.0206	1897-45-6
CHLOROTHIOPHENOL P	0.99	0.9079	0.9994	0.4482	106-54-7
CHLOROTOLUENE-4	0.99	1.1644	1	0.7197	106-43-4
CHLOROTRIFLUOROMETHANE (R13)	0.99	1.0374	1	0.9796	75-72-9
CHLOROTRIMETHYLSILANE	0.99	0.7691	1	0.9357	75-77-4
CHLOROURACIL,5-	0.99	0.5294	0.937	0.4107	1820-81-1
CHLORPYRIFOS*	0.99	0.0003	0.0003	0.0289	2921-88-2
CHRYSENE	0.99	0.0098	0.0077	0.2144	218-01-9
CIS 1,2 CYCLOHEXANEDIOL DINITRATE	0.6497	0.0089	0.0196	0.0761	
CIS 1,2 DIMETHYLCYCLOHEXANE	0.99	1.1171	1	0.9654	2207-01-4
CIS 1,3 CYCLOHEXANEDIOL DINITRATE	0.6497	0.0089	0.0196	0.0761	
CIS 1,3 DICHLOROPROPENE	0.99	1.071	1	0.7087	10061-01-5
CIS 2 BUTENE	0.99	1.1409	1	0.9793	107-01-7
COPPER PHTHALOCYANINE (M)	0.99	0	0	0.6014	147-14-8
COUMARAN	0.99	0.9981	0.943	0.3991	496-16-2
CROTONYLENE (2-BUTYNE)	0.99	1.1851	1	0.9858	503-17-3

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
CROTYL MERCAPTAN	0.99	0.7222	1	0.7172	
CUMENE (ISOPROPYLBENZENE)	0.99	1.1978	1	0.8297	98-82-8
CYANIDEION	0.3234	0.776	0.9864	0.4848	57-12-5
CYANOBENZYL ALCOHOL P*	0.1562	0.0024	0.0025	0.0453	
CYANOGEN	0.99	0.616	1	0.9033	460-19-5
CYANOGEN BROMIDE*	0.99	0.4832	1	0.5879	506-68-3
CYANOGEN CHLORIDE	0.99	0.8375	1	0.7796	506-77-4
CYANOMETHYLPHTHALATE 4 (M)	0.99	0.071	0.071	0.948	
CYANOTOLUENE 4	0.9863	0.9691	0.8868	0.2947	104-85-8
CYCLOHEPTANE	0.99	1.0933	1	0.9539	291-64-5
CYCLOHEXANE	0.99	1.0933	1	0.9663	110-82-7
CYCLOHEXANE, 1,1'-METHYLENEBIS (M)	0.99	0.999	0.999	0.4728	5124-30-1
CYCLOHEXANE, 1,3-BIS(ISOCYANATOM(M)	0.99	0.999	0.999	0.4728	38661-72-2
CYCLOHEXANE, 1,4-DIISOCYANATO-(M)	0.99	0.999	0.999	0.4728	2556-36-7
CYCLOHEXANOL	0.9606	0.2425	0.2622	0.1728	108-93-0
CYCLOHEXANONE	0.783	0.7033	0.7399	0.2625	108-94-1
CYCLOHEXENE	0.99	1.1356	1	0.9387	110-83-8
CYCLOHEXENE 1 ONE, 2	0.6829	0.4982	0.5065	0.176	930-68-7
CYCLOHEXYL ACETATE	0.99	0.8456	0.9625	0.3037	622-45-7
CYCLOHEXYL-2,2-DIPHENYLETHYLAMIN(M)	0.99	0.0965	0.0965	0.3261	
CYCLOHEXYLCYCLOHEXANONE 4	0.99	0.1697	0.1639	0.6202	56025-96-8
CYCLOOCTANE	0.99	1.0933	1	0.9498	292-64-8
CYCLOPENTADIENE	0.99	1.1984	1	0.917	542-92-7
CYCLOPENTANE	0.99	.	.	0.9731	287-92-3
CYCLOPENTENE	0.604	1.1443	1	0.95	142-29-0
CYCLOPHOSPHAMIDE (M)	0.99	0.0944	0.0944	0.9841	50-18-0
CYCLOPROPANE C3H6	0.99	1.0933	1	0.9766	75-19-4
CYCLOPROPANECARBONITRILE	0.4061	0.7396	0.8032	0.2318	5500-21-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
CYFLUTHRIN (M)	0.99	0.999	0.999	0.4728	68359-37-5
CYHALOTHRIN (M)	0.99	0.999	0.999	0.4728	68085-85-8
CYMENE,PARA	0.99	1.1927	1	0.7465	99-87-6
CYTOSINE*	0.8367	0.1942	0.3932	0.1746	71-30-7
DACTHAL	0.7825	0.0362	0.0399	0.0203	1861-32-1
DAUNOMYCIN (M)	0.99	0	0	0.7521	20830-81-3
DDD,P,P'-	0.9715	1.1247	0.989	0.0597	72-54-8
DDE,P,P'-	0.99	1.1492	0.9997	0.4455	72-55-9
DDT	0.99	1.1283	0.9975	0.0662	50-29-3
DECAHYDRONAPHTHALENE (DECALIN)	0.99	1.1185	1	0.948	91-17-8
DECANAL	0.99	0.6363	0.6433	0.5443	112-31-2
DECANE (C10 LINEAR)	0.99	1.0877	1	0.978	124-18-5
DECANOL	0.99	0.0786	0.0807	0.2525	112-30-1
DIACETYL	0.6108	0.1776	0.2379	0.5164	431-03-8
DIALLATE	0.99	0.7564	0.877	0.8344	2303-16-4
DIAMINO-5-SULFONYL BENZYL 2,4 (M)	0.99	0.1325	0.1325	0.9518	
DIAZOMETHANE*	0.99	0.573	0.9995	0.9928	334-88-3
DIBENZOFURANS*	0.99	0.7639	0.6665	0.3203	132-64-9
DIBROMO-3-CHLOROPROPANE,1,2	0.7086	0.559	0.8631	0.4313	96-12-8
DIBROMOCHLOROMETHANE	0.99	0.5851	1	0.7861	124-48-1
DIBROMOMETHANE	0.99	0.4927	1	0.5764	74-95-3
DIBUTYL ETHER	0.99	0.958	1	0.7408	142-96-1
DIBUTYLAMINE	0.99	0.9134	0.9473	0.3281	111-92-2
DICAMBA SODIUM SALT (M)	0.99	0.999	0.999	0.4728	1982-69-0
DICHLORO-1,3-CYCLOPENTADIENE 5,5(M)	0.99	0.4132	0.4132	0.9456	
DICHLORO-2-BUTENE 1,2	0.99	1.0799	1	0.7053	13602-13-6
DICHLOROAMINE (CHLORIMIDE)*	0.9795	.	.	0.3264	3400-09-7
DICHLOROBENZENE (MIXED)	0.99	1.1341	1	0.6939	25321-22-6
DICHLOROBENZONITRILE,2,6-	0.9409	0.5164	0.4832	0.0788	1194-65-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
DICHLOROBENZOPHENONE P,P	0.9831	0.0635	0.0575	0.0494	90-98-2
DICHLOROBIPHENYL (PARA)	0.99	1.1368	0.9657	0.3261	2050-68-2
DICHLOROBUTANE (1,4)	0.99	1.0517	1	0.9882	110-56-5
DICHLORODIMETHYLSILANE	0.99	0.7979	1	0.9409	75-78-5
DICHLORODIPHENYLMETHANE	0.99	0.5203	0.443	0.7737	2051-90-3
DICHLOROETHANE(1,2)	0.99	1.04	1	0.6373	107-06-2
DICHLOROETHYL ETHER	0.8723	0.7111	0.7574	0.398	111-44-4
DICHLOROETHYLENE(1,2) CIS	0.99	1.0609	1	0.7852	156-59-2
DICHLOROFLUOROMETHANE (R21)	0.99	1.0396	1	0.8897	75-43-4
DICHLOROIODOMETHANE	0.9892	0.5139	0.9061	0.357	594-04-7
DICHLOROPENTAFLUOROPROPANE	0.99	1.0596	1	0.9889	127564-92-5
DICHLOROPROPANE 1,2	0.99	1.0536	1	0.7296	78-87-5
DICHLOROPROPYLENE,1,2- (CIS)	0.99	1.0722	1	0.8082	563-54-2
DICHLOROPROPYLENE,1,2-(TRANS)	0.99	1.0722	1	0.8913	563-54-2
DICHLOROSTYRENE 2,6	0.99	1.1492	1	0.7521	28469-92-3
DICHLORO-TRANS-ETHYLENE(1,2)	0.99	1.0609	1	0.7922	540-59-0
DICHLOROTRIFLUOROETHANE (R123)	0.99	1.0347	1	0.908	306-83-2
DICLOFOP-METHYL (M)	0.99	0.999	0.999	0.4728	51338-27-3
DICOFOL	0.99	0.0036	0.0033	0.0875	115-32-2
DICYCLOPENTADIENE	0.99	1.1984	1	0.7941	77-73-6
DIELDRIN	0.99	0.0674	0.0636	0.1872	60-57-1
DIEPOXYBUTANE	0.1007	0.6982	0.8815	0.114	1464-53-5
DIETHOXYMETHANE	0.99	0.7589	0.9951	0.4523	462-95-3
DIETHYL (N,N) ANILINE	0.99	0.6076	0.5691	0.3416	91-66-7
DIETHYL AMINE	0.9728	0.8652	0.9999	0.3974	109-89-7
DIETHYL ETHER ACID CHLORIDE (M)	0.99	0.3792	0.3792	0.9936	
DIETHYL SULFATE*	0.9094	0.002	0.0037	0.1109	64-67-5
DIETHYL THIOETHER	0.99	0.6956	1	0.6978	352-93-2
DIETHYLBENZENE P	0.99	1.1908	1	0.7263	105-05-5

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
DIETHYLDIISOCYANATOBENZENE (M)	0.99	0.999	0.999	0.4728	134190-37-7
DIETHYLDIPHENYL UREA SYM	0.99	0.6557	0.6967	0.7724	85-98-3
DIETHYLUREA 1,1*	0.6128	0.0731	0.1227	0.1004	634-95-7
DIFLUROMETHANE	0.99	1.08	1	0.9089	75-10-5
DIHYDRO-5-OXAZALONE (DIHYDROAZLA(M)	0.99	0.982	0.982	0.7714	
DIHYDROSAFROLE*	0.99	0.6303	0.6409	0.2839	94-58-6
DIIODOMETHANE	0.99	0.1903	0.6078	0.4866	75-11-6
DIISOBUTYLENE	0.99	1.1269	1	0.934	107-39-1
DIISODECYL PHTHALATE	0.99	0.0072	0.0074	0.0214	26761-40-32
DIISOPROPYL BENZENE (PARA)	0.99	1.1838	1	0.9386	100-18-5
DIISOPROPYL CARBAMATE*	0.99	0.9186	1	0.9876	2303-17-5
DIISOPROPYL KETONE	0.99	0.9726	0.9998	0.5337	565-80-0
DIISOPROPYLAMINE	0.9649	0.9393	1	0.3179	108-18-9
DIMETHIPIN (M)	0.99	0.999	0.999	0.4728	552932-64-7
DIMETHOXY METHANE	0.9711	0.608	0.9717	0.5157	109-87-5
DIMETHYL AMINE	0.9804	0.7086	0.9964	0.4994	124-40-3
DIMETHYL BENZ(A)ANT 7,12	0.99	0.1066	0.0854	0.0743	
DIMETHYL DISULFIDE	0.99	0.3376	0.9917	0.5706	624-92-0
DIMETHYL HYDRAZINE(1,1)	0.5874	0.2767	0.3821	0.2064	57-14-7
DIMETHYL NITROISOPROPYLAMINE N,N(M)	0.99	0.4387	0.4387	0.3991	
DIMETHYL SULFATE*	0.5486	0.0342	0.086	0.0807	77-78-1
DIMETHYL SULFIDE (DMS)	0.99	0.5161	1	0.7624	75-18-3
DIMETHYL TRISULFIDE	0.99	0.1166	0.459	0.964	3658-80-8
DIMETHYL-1-NITROBENZENE 2,4	0.99	0.6858	0.8127	0.7851	25168-04-1
DIMETHYLANILINE N,N	0.99	0.2186	0.2073	0.5541	121-69-7
DIMETHYLCARBAMODITHIOIC ACID, IR(M)	0.99	0.999	0.999	0.4728	14484-64-1
DIMETHYLETHYLAMINE	0.3241	0.863	1	0.2469	75-64-9
DIMETHYLPHENYLCARBINOL	0.9775	0.1237	0.1179	0.2195	617-94-7

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
DIMETHYLPROPANE NEOPENTANE	0.99	.	.	0.9834	463-82-1
DINITROBENZENE M	0.0228	0.5641	1	0.2068	99-65-0
DINITROTOLUENE (MIXED)	0.39	0.0517	0.0848	0.0572	25321-14-6
DI-N-OCTYL PHTHALATE	0.9879	0.042	0.0438	0.0222	117-84-0
DIOXIN	0.99	0.0004	0.0003	0.1514	1746-01-6
DIPHENYL ETHER	0.99	0.4721	0.4191	0.368	101-84-8
DIPHENYL THIOETHER	0.99	0.4252	0.4131	0.3479	139-66-2
DIPHENYLAMINE	0.8763	0.0607	0.0539	0.0585	122-39-4
DIPHENYLBUTADIENE 1,3	0.99	1.0401	0.8394	0.5246	886-65-7
DIPHENYLCHLOROMETHANE	0.99	1.1818	0.9849	0.751	90-99-3
DIPHENYLDIKETONE	0.99	0.0085	0.008	0.7845	134-81-6
DIPHENYLETHANE 1,1	0.99	1.2223	0.9955	0.4569	612-00-0
DIPHENYLETHANOL 1,1	0.0718	0.0062	0.0055	0.0237	599-67-7
DIPHENYLHYDRAZINE,1,1-	0.99	0.0016	0.0015	0.6385	530-50-7
DIPHENYLMETHANE	0.99	0.6277	0.5086	0.2239	101-81-5
DIPHENYLNITROSAMINE*	0.99	0.5244	0.5726	0.4576	86-30-6
DIPOTASSIUM ENDOTHALL (M)	0.99	0.999	0.999	0.4728	2164-07-0
DIPROPYLAMINE	0.99	0.9243	0.9955	0.2978	142-84-7
DIPROPYLBUTRAL	0.99	0.6216	0.6177	0.2981	
DIPROPYLFORMAMIDE	0.99	0.7174	1	0.7988	6282-00-4
DISODIUM CYANODITHIOIMIDOCARBONA(M)	0.99	0.999	0.999	0.4728	138-93-2
DISULFOTON*	0.7973	.	.	0.0216	298-04-4
DI-TERT-BUTYL-P-CRESOL	0.9302	0.199	0.1826	0.0418	128-37-0
DIVINYL KETONE (M)	0.99	0.999	0.999	0.4885	
D-LIMONENE	0.99	1.1435	1	0.8745	5989-27-5
DODECACHLOROPENTACYCLODECANE	0.99	0.3679	0.3437	0.34	2385-85-5
DODECANE (C12 LINEAR)	0.99	1.0886	1	0.9812	112-40-3
DODECANOIC ACID (LAURIC ACID)	0.99	0.0375	0.0405	0.0823	143-07-7
D-TRANS-ALLETHRIN (M)	0.99	0.999	0.999	0.4728	28057-48-9

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
EICOSCANE (C20 LINEAR)	0.99	1.0905	1	0.3229	112-95-8
ENDOSULFAN	0.99	0.02	0.0184	0.1144	115-29-7
ENDRIN ALDEHYDE*	0.9597	0.0055	0.0052	0.0647	7421-93-4
EPOXYBUTANE 1,2	0.99	0.8786	1	0.5369	106-88-7
EPTAM (EPTC)	0.7149	0.784	1	0.1375	759-94-4
ETHALFLURALIN	0.99	0.778	0.9877	0.0245	55283-68-6
ETHANE	0.99	1.0667	1	0.9901	74-84-0
ETHANE, 1,1,2,2-TETRACHLORO-1-FLUOR	0.99	1.0292	1	0.9647	354-14-3
ETHANE, 1,2-DICHLORO-1,1,2-TRIFLUOR	0.99	1.0529	1	0.9764	354-23-4
ETHANE, 1-CHLORO-1,1,2,2-TETRAFLUOR	0.99	1.0811	1	0.9739	354-25-6
ETHANE, DICHLORO-1,1,2-TRIFLUORO(M)	0.99	0.999	0.999	0.4728	90454-18-5
ETHANE, DICHLOROTRIFLUORO-(9CI)	0.99	1.0347	1	0.9751	34077-87-7
ETHANETHIOL (ETHYL MERCAPTAN)	0.99	0.5108	1	0.8111	75-08-1
ETHANOIC PEROXYACID (PEROXYACETIC A	0.2286	0.0782	0.185	0.0915	79-21-0
ETHANOL	0.3028	0.5857	0.8603	0.1308	64-17-5
ETHENYLBENZENE (STYRENE)	0.99	1.2286	1	0.8175	100-42-5
ETHER (DIETHYL ETHER, ETHYL ETHER)	0.99	0.8556	1	0.6887	60-29-7
ETHYL ACETATE PEROXIDE (M)	0.99	0.6594	0.6594	0.6413	
ETHYL ACRYLATE	0.99	0.7652	0.966	0.5133	140-88-5
ETHYL BUTANOATE (ETHYL BUTYRATE)	0.99	0.8132	0.9999	0.4878	105-54-4
ETHYL BUTYL KETONE	0.99	0.929	0.9641	0.3784	106-35-4
ETHYL CHLOROCARBONATE	0.9812	0.6909	0.907	0.426	541-41-3
ETHYL CYANIDE (PROPIONITRILE)	0.5568	0.8298	0.9507	0.4009	107-12-0
ETHYL DODECANOATE	0.99	0.9286	0.9766	0.449	106-33-2
ETHYL ETHANOATE (ETHYL ACETATE)	0.99	0.7224	0.9999	0.5166	141-78-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
ETHYL HEPTANOATE	0.99	0.8869	0.9991	0.4335	106-30-9
ETHYL HYDROPEROXIDE	0.1942	0.289	0.5718	0.1021	3031-74-1
ETHYL ISOPROPYL PEROXIDE (M)	0.99	0.9311	0.9311	0.4106	
ETHYL METHACRYLATE*	0.99	0.8387	0.9999	0.5351	97-63-2
ETHYL METHANOATE (ETHYL FORMATE)	0.99	0.6422	1	0.5928	109-94-4
ETHYL METHYL ETHER	0.99	0.7905	1	0.5726	540-67-0
ETHYL NITRATE	0.99	0.344	0.9988	0.6365	625-58-1
ETHYL PENTANOATE	0.99	0.8431	0.9996	0.4653	539-82-2
ETHYL PROPYL ETHER	0.99	0.8934	1	0.6373	628-32-0
ETHYL THIOPHANATE (M)	0.99	0.0398	0.0398	0.3382	23564-06-9
ETHYL VINYL ETHER	0.99	0.8896	1	0.819	109-92-2
ETHYL-(2)-PROPYL-(3) ACROLEIN*	0.7802	0.9768	1	0.273	645-62-5
ETHYLAMINE	0.9476	0.7105	0.9991	0.4657	75-04-7
ETHYLBENZENE	0.99	1.204	1	0.797	100-41-4
ETHYLENE (ETHENE)	0.99	1.1867	1	0.9875	74-85-1
ETHYLENE GLYCOL DIMETHYL ETHER	0.9047	0.6009	0.8604	0.2161	110-71-4
ETHYLENE GLYCOL MONOBUTYL ETHER ACE	0.9246	0.2514	0.3206	0.1338	112-07-2
ETHYLENE GLYCOL MONOMETHYL ETHER AC	0.2846	0.2111	0.3153	0.06	110-49-6
ETHYLENE OXIDE	0.986	0.7116	1	0.4436	75-21-8
ETHYLENEBIS (DITHIOCARBAMATO))ZI(M)	0.99	0.999	0.999	0.4728	12122-67-7
ETHYLETHOXY PROPIONATE	0.7316	0.2892	0.3401	0.1366	763-69-9
ETHYNE (ACETYLENE)	0.99	1.28	1	0.856	74-86-2
FENARIMOL (M)	0.99	0.999	0.999	0.4728	60168-88-9
FENBUTATIN OXIDE (M)	0.99	0.999	0.999	0.4728	13356-08-6
FENCHONE,D-	0.99	0.9312	0.9088	0.3391	4695-62-9
FENO ENOXAPROP ETHYL (M)	0.99	0.999	0.999	0.4728	66441-23-4
FENOXYCARB (M)	0.99	0.999	0.999	0.4728	724932-01-8
FENPROPATHIN*	0.9486	0.0011	0.0011	0.0592	39515-41-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
FENVALERATE (M)	0.99	0.999	0.999	0.4728	516332-58-1
FLUAZIFOP-BUTYL (M)	0.99	0.999	0.999	0.4728	69806-50-4
FLUORANTHENE	0.99	0.0487	0.0385	0.082	206-44-0
FLUORENE	0.99	1.0207	0.8167	0.3078	86-73-7
FLUORINE (M)	0.99	0.999	0.999	0.6485	7782-41-4
FLUOROBENZENE	0.99	1.1955	1	0.8143	462-06-6
FLUOROETHANE	0.99	1.1093	1	0.9461	353-36-6
FLUOROMETHANE*	0.99	1.13	1	0.9559	593-53-3
FLUOROURACIL,5-	0.99	0.4655	1	0.9702	51-21-8
FLUVALINATE (M)	0.99	0.999	0.999	0.4728	69409-94-5
FOLPET*	0.99	0.0046	0.0053	0.0339	133-07-3
FOMESAFEN (M)	0.99	0.999	0.999	0.4728	72178-02-32
FONOFOS*	0.9791	0.0037	0.0044	0.0634	944-22-9
FORMIC ACID	0.0297	0.0781	0.2253	0.169	64-18-6
FORMIC ACID, HEPTYL ESTER	0.99	0.8534	0.9905	0.3604	112-23-2
FORMYL FLUORIDE*	0.99	0.848	1	0.6859	1493-02-3
FREON 11, TRICHLOROFLUOROMETHANE	0.99	1.0293	1	0.9578	75-69-4
FREON 12, DICHLORODIFLUOROMETHANE	0.99	1.0331	1	0.978	75-71-8
FREONS (M)	0.99	0.6438	0.6438	0.973	
FURFURAL	0.2059	0.2746	0.3155	0.0576	98-01-1
GAMMA BHC (LINDANE)	0.9329	1.0351	0.9734	0.0552	58-89-9
GENERIC PEROXIDE WITH CL OR FL (M)	0.9782	0.999	0.999	0.2753	
GENERIC PEROXIDE WITH FLUORINE	0.8651	0.013	0.033	0.2825	
GEOSMIN (M)	0.99	0.1338	0.1338	0.4007	23333-91-1
GUANINE (M)	0.99	0.1494	0.1494	0.9947	73-40-5
HEPTACHLOR	0.99	1.0469	0.958	0.459	76-44-8
HEPTACHLOR EPOXIDE	0.99	0.0422	0.0403	0.353	1024-57-3
HEPTADECANE (C17 LINEAR)	0.99	1.09	1	0.906	629-78-7

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
HEPTANAL	0.99	0.7778	0.8181	0.4547	111-71-7
HEPTANE ISO	0.99	1.0987	1	0.9847	31394-54-4
HEPTANE(-N)	0.99	1.0853	1	0.9761	142-82-5
HEXACHLOROBENZENE	0.99	1.0467	0.9662	0.3858	118-74-1
HEXACHLOROBUTADIENE	0.99	0.9372	0.883	0.7848	87-68-3
HEXACHLOROCYCLOHEXANE (ALPHA ISOMER	0.99	1.0627	0.9994	0.0892	608-73-1
HEXACHLOROCYCLOHEXANE (ALPHA ISOMER	0.9758	1.0627	0.9994	0.0892	
HEXACHLOROCYCLOPENTADIENE	0.99	0.8865	0.8262	0.8658	77-47-4
HEXACHLOROETHANE	0.99	0.5153	0.4987	0.6754	67-72-1
HEXACHLORONAPTHALENE	0.99	1.1124	1	0.2258	1335-87-1
HEXADECANE N	0.99	1.0898	1	0.9484	544-76-3
HEXAFLUOROACETONE	0.99	0.9748	1	0.9805	684-16-2
HEXAFLUOROETHANE	0.99	1.0567	1	0.9878	76-16-4
HEXAFLUOROPROPENE	0.99	1.08	1	0.9876	116-15-4
HEXAMETHYLENE 1,6 DIISOCYANATE *	0.99	0.0055	0.0063	0.9722	822-06-0
HEXAMETHYLENIMINE	0.7857	0.7455	0.7988	0.1179	111-49-9
HEXANAL	0.99	0.8287	0.8902	0.4571	66-25-1
HEXANE(-N)	0.99	1.084	1	0.9784	110-54-3
HEXANOL-1	0.9645	0.3219	0.3548	0.1979	111-27-3
HEXAZINONE	0.99	0.4216	0.6923	0.4317	51235-04-2
HEXEN-2-ONE 5	0.9156	0.8851	0.9154	0.3879	109-49-9
HEXYL ETHANOATE	0.99	0.8542	0.9855	0.4723	142-92-7
HEXYLAMINE	0.9464	0.7069	0.7658	0.2571	111-26-2
HEXYLBENZENE	0.99	1.1658	1	0.852	1077-16-3
HYDRAMETHYLNON (M)	0.99	0.999	0.999	0.4728	67485-29-4
HYDRAZINE SULFATE (1:1) (M)	0.99	0.999	0.999	0.4728	10034-93-2
HYDRAZOIC ACID (M)	0.99	0.999	0.999	0.3755	7782-79-8
HYDROCYANIC ACID	0.9452	0.616	1	0.5699	74-90-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
HYDROGEN BROMIDE*	0.99	0.44	1	0.773	10035-10-6
HYDROGEN CHLORIDE*	0.99	1	1	0.4516	7647-01-0
HYDROGEN FLUORIDE*	0.7731	1.13	1	0.6046	7664-39-3
HYDROGEN SULFIDE	0.99	0.3333	1	0.9194	7783-06-4
HYDROXY DIMETHYL ETHER	0.99	0.0408	0.0805	0.9683	4461-52-3
HYDROXY-1,3-CYCLOPENTADIENE 5 (M)	0.99	0.999	0.999	0.7173	
HYDROXY-4-METHYLTETRAHYDROFURAN (M)	0.99	0.9481	0.9481	0.411	
HYDROXY-5-METHYLDIMETHYL PHTHALA(M)	0.99	0.1125	0.1125	0.9379	
HYDROXYACETONE (ACETOL)	0.7742	0.0254	0.0397	0.217	116-09-6
HYDROXYCYCLOHEXANONE 4	0.1201	0.0005	0.0007	0.0923	13482-22-9
HYDROXYDIMETHYL PHTHALATE 4 (M)	0.99	0.12	0.12	0.9369	
HYDROXYMETHYL ISOPROPYL KETONE (M)	0.99	0.999	0.999	0.6334	
HYDROXYMETHYL, N-METHYLETHYL AMI(M)	0.99	0.999	0.999	0.9638	
HYDROXYMETHYLPHENYL CARBAMATE N (M)	0.9201	0.147	0.147	0.1508	
HYDROXYMETHYLVINYL ETHER (M)	0.99	0.4896	0.4896	0.8968	
HYDROXYPENTANE 3	0.7921	0.715	0.8007	0.2163	584-02-1
IMAZALIL BASE (M)	0.99	0.999	0.999	0.4728	35554-44-32
IODINE CHLORIDE*	0.0774	0.4294	1	0.1217	7790-99-0
IODOBENZENE	0.99	0.6189	0.9703	0.5328	591-50-4
IODOCOUMARAN 2 (M)	0.99	0.102	0.102	0.3681	
IODOETHANE	0.99	0.4208	1	0.8298	75-03-6
IRON PENTACARBONYL (M)	0.99	0.999	0.999	0.4728	13463-40-6
ISOAMYL NITRATE	0.99	0.5757	0.974	0.6825	110-46-3
ISOBUTANE	0.99	1.1025	1	0.9867	75-28-5
ISOBUTYL ETHANOATE(ISOBUTYLACETATE)	0.99	0.8232	0.9997	0.5205	110-19-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
ISOBUTYLBENZENE	0.99	1.1908	1	0.8913	538-93-2
ISOBUTYLENE	0.99	1.1409	1	0.9759	115-11-7
ISOBUTYRALDEHYDE	0.99	0.8859	0.9995	0.509	78-84-2
ISOCYANO 4 METHYL BENZENE*	0.8663	0.3658	0.3332	0.1402	7175-47-5
ISODECANOL	0.99	0.1885	0.192	0.2613	25339-17-7
ISODECYL OCTYL ESTER	0.99	1.0308	0.9977	0.5079	
ISODRIN (M)	0.99	0.999	0.999	0.4728	465-73-6
ISOHEPTANOL	0.9787	0.4208	0.447	0.2854	543-49-7
ISOPENTANE	0.99	1.1007	1	0.9848	78-78-4
ISOPENTANOL	0.9125	0.5016	0.5617	0.2158	123-51-3
ISOPENTYL ETHANOATE (ISOAMYL ACETA	0.99	0.8509	0.9981	0.5161	123-92-2
ISOPENTYL METHANOATE (ISOAMYL FORMA	0.99	0.817	0.9999	0.5625	110-45-2
ISOPHORONE	0.616	0.5249	0.5058	0.0901	78-59-1
ISOPROPYL AMINE	0.931	0.8112	1	0.235	75-31-0
ISOPROPYL ETHER (DIISOPROPYL ETHER	0.0192	0.9393	1	0.6014	108-20-3
ISOXAFLUTOLE* (M)	0.99	0.0153	0.0153	0.3293	141112-29-0
LIMONENE	0.99	1.16	1	0.8564	
LITHIUM BROMACIL (M)	0.99	0.999	0.999	0.4728	53404-19-6
MALEIC ANHYDRIDE	0.5715	0.01	0.0156	0.0915	108-31-6
MESITYL OXIDE	0.9173	0.8547	0.8715	0.3189	141-79-7
METHANE	0.99	1.0667	1	0.9961	74-82-8
METHANETHIOL(METHYL MERCAPTAN)	0.99	0.3333	1	0.839	74-93-1
METHANOL	0.3166	0.433	0.8547	0.2062	67-56-1
METHOXYACETIC ACID	0.5928	0.0054	0.0102	0.0599	625-45-6
METHOXYACETONITRILE	0.7975	0.1026	0.1514	0.5443	1738-36-9
METHOXYBENZENE (ANISOLE)	0.99	1.0321	0.9973	0.7082	100-66-3
METHOXYCHLOR	0.99	0.0912	0.087	0.0724	72-43-5
METHYL 2-PROPYL ETHER	0.99	0.863	1	0.6295	598-53-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
METHYL ACRYLATE	0.99	0.7345	0.9884	0.4239	96-33-3
METHYL ACRYLONITRILE*	0.9108	0.9597	0.9729	0.5145	126-98-7
METHYL AMINE	0.9097	0.5158	0.9919	0.509	74-89-5
METHYL AMINOACETYLENE (M)	0.99	0.999	0.999	0.9579	
METHYL BENZOATE	0.9646	0.3348	0.3568	0.2508	93-58-3
METHYL BENZYL ALCOHOL 4	0.9169	0.0582	0.0555	0.1722	589-18-4
METHYL BIPHENYL (-P)	0.99	1.1524	0.9328	0.7484	644-08-6
METHYL BUTANOATE	0.99	0.7748	1	0.481	623-42-7
METHYL CHLOROACETAMIDE N	0.6712	0.2875	0.4623	0.1683	96-30-0
METHYL CHLOROCARBONATE	0.99	0.7027	0.9862	0.903	79-22-1
METHYL CHOLANTHRENE 3	0.99	0.0367	0.0293	0.2701	56-49-5
METHYL COUMARAN 2	0.99	0.1287	0.129	0.7955	607-71-6
METHYL DECANOATE	0.99	0.7429	0.8086	0.4182	110-42-9
METHYL DOCOSANOATE (METHYL BEHENATE	0.99	0.7766	0.7754	0.7815	929-77-1
METHYL DODECANOATE	0.99	0.931	0.9888	0.4469	111-82-0
METHYL EICOSANOATE (METHYL ARACHIDA	0.99	0.8882	0.9024	0.7167	1120-28-1
METHYL ERUCATE	0.99	0.8191	0.8103	0.4566	1120-34-9
METHYL ETHANOATE (METHYL ACETATE)	0.9562	0.6522	1	0.4756	79-20-9
METHYL ETHER DIMETHYL ETHER	0.99	0.6984	1	0.9266	115-10-6
METHYL HEXADECANOATE	0.99	0.4664	0.4793	0.5416	112-39-0
METHYL HEXANOATE	0.99	0.8426	0.999	0.4633	106-70-7
METHYL HYDRAZINE	0.4948	0.0824	0.1546	0.121	60-34-4
METHYL HYDROPEROXIDE	0.0714	0.1936	0.5799	0.1308	3031-73-0
METHYL IODIDE	0.99	0.3544	1	0.7923	74-88-4
METHYL ISOAMYL KETONE	0.99	0.8721	0.8983	0.6668	110-12-3
METHYL ISOBUTYL KETONE (MIBK)	0.99	0.9334	0.9787	0.5417	108-10-1
METHYL ISOPROPYL KETONE	0.986	0.9223	0.9907	0.5838	563-80-4
METHYL ISOTHIOCYANATE (M)	0.99	0.999	0.999	0.4728	556-61-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
METHYL LINOLATE	0.99	0.9818	0.9647	0.2747	112-63-0
METHYL LINOLENATE	0.9836	0.0231	0.0228	0.1666	301-00-8
METHYL METHACRYLATE	0.9863	0.7614	0.9546	0.4244	80-62-6
METHYL METHANOATE (METHYL FORMATE)	0.6826	0.5362	0.9987	0.6005	107-31-3
METHYL MORPHOLINE	0.4131	0.3653	0.4749	0.0605	109-02-4
METHYL NITRATE	0.99	0.2081	0.9998	0.6479	598-58-3
METHYL OCTADECANOATE	0.99	0.8882	0.9024	0.5456	112-61-8
METHYL OCTANOATE	0.99	0.8793	0.9906	0.4743	111-11-5
METHYL OLEATE	0.99	0.9197	0.924	0.3814	112-62-9
METHYL PENTANOATE	0.99	0.8131	0.9998	0.4702	624-24-8
METHYL PROPANOATE (METHYL PROPIONAT	0.99	0.7241	1	0.491	554-12-1
METHYL PROPYL ETHER	0.99	0.8478	1	0.7154	557-17-5
METHYL PROPYL SULFIDE	0.99	0.6956	1	0.7113	3877-15-4
METHYL TERT-BUTYL ETHER	0.99	0.9105	1	0.5695	1634-04-4
METHYL TETRADECANOATE	0.99	0.9331	0.9729	0.4914	124-10-7
METHYL THIOPHENOL 4	0.99	0.902	0.9998	0.5039	106-45-6
METHYL-1,3-CYCLOPENTADIENE 5	0.99	1.19	1	0.9353	26519-91-5
METHYL-2,3,4-TRIHYDROQUINOLINE N	0.9876	0.8012	0.7493	0.1545	491-34-9
METHYL-2-AMINOETHYLAMINE	0.99	0.0147	0.023	0.979	109-81-9
METHYL-2-HYDROXYETHYLAMINE	0.8728	0.0152	0.0241	0.1297	109-83-1
METHYL-3-ACETYLCYCLOPENTADIENE 1(M)	0.99	0.8971	0.8971	0.777	
METHYL-3-NITROBENZYL ALCOHOL 4	0.3192	0.0007	0.001	0.0902	40870-59-5
METHYL-4-NITROBENZYL ALCOHOL 2	0.1598	0.0007	0.001	0.0513	23876-13-3
METHYL-5-THIOACETYLDIHYDRO1,3THI(M)	0.994	0.146	0.146	0.9553	
METHYLBUTADIENE (ISOPRENE)	0.99	1.1755	1	0.9597	78-79-5
METHYLBUTYLAMINE	0.99	0.7912	0.8835	0.3238	110-68-9
METHYLCHLORPYRIFOS (M)	0.5388	0.999	0.999	0.0661	5598-13-0

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
METHYLCYCLOHEXANE	0.99	1.1069	1	0.9716	108-87-2
METHYLCYCLOPENTANE	0.99	1.1092	1	0.9752	96-37-7
METHYLENE CHLORIDE, DICHLOROMETHANE	0.99	1.0167	1	0.7886	75-09-2
METHYLFURAN 2*	0.99	0.9876	1	0.8139	534-22-5
METHYLISOBORNEOL,2-	0.99	0.2848	0.2833	0.2741	2371-42-8
METHYLPHENYL CARBAMATE N	0.99	0.0013	0.0016	0.1674	1943-79-9
METHYL-PHENYLETHYLAMINE N	0.99	0.4696	0.4418	0.5815	589-08-2
METHYL-P'-METHYLTRIPHENYL PHOSPH(M)	0.99	0.0789	0.0789	0.8434	
METHYLSTYRENE (-4)	0.99	1.2172	1	0.6776	622-97-9
METHYLTIN TRICHLORIDE (M)	0.4702	0.105	0.105	0.0282	993-16-8
METHYLTRICHLOROSILANE	0.99	0.8188	1	0.9582	75-79-6
METHYL-TRIHYDRO-1,3-THIAZOLE 4 (M)	0.99	0.9141	0.9141	0.357	
METIRAM (M)	0.99	0	0	0.4232	9006-42-2
MITOMYCIN C* (M)	0.99	0.0578	0.0578	0.9471	50-07-7
MNNG (M)	0.99	0.1994	0.1994	0.9536	70-25-7
MOLINATE*	0.99	0.0236	0.0289	0.0654	2212-67-1
MONURON	0.99	0.6878	0.8405	0.3513	150-68-5
MORPHOLINE	0.99	0.1484	0.2067	0.4779	110-91-8
N METHYL PYRROLIDINE	0.99	0.8507	0.9381	0.3121	120-94-5
NALED	0.99	0.0113	0.018	0.2702	300-76-5
NAPHTHALENE	0.99	1.2388	0.9937	0.5877	91-20-3
NAPHTHALENE, 1,5-DIISOCYANATO- (M)	0.99	0.999	0.999	0.4728	3173-72-6
NAPHTHOQUINONE-1,4	0.7199	0.0016	0.0015	0.2066	130-15-4
NITRAPYRIN	0.99	0.6441	0.6251	0.3421	1929-82-4
NITRO M XYLENE, 2	0.99	0.7789	0.923	0.3651	81-20-9
NITRO-4-METHYLBENZOATE 3 (M)	0.99	0.1275	0.1275	0.9511	
NITROBENZENE	0.8079	0.3052	0.3941	0.2301	98-95-3

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
NITROBENZENESULFONYL CHLORIDE P (M)	0.99	0.1142	0.1142	0.3755	98-74-8
NITROBENZYL ALCOHOL P	0.8684	0.0004	0.0005	0.4339	619-73-8
NITROBIPHENYL,4-	0.6348	0.0437	0.0455	0.0301	92-93-3
NITROCELLULOSE (M)	0.99	0	0	0.2027	9004-70-0
NITROETHANE	0.9553	0.4062	0.9515	0.4316	79-24-3
NITROMETHANE	0.99	0.2545	0.9542	0.622	75-52-5
NITROPROPANE 2	0.9846	0.5309	0.9894	0.4403	79-46-9
NITROSOBENZYL ALCOHOL 4 (M)	0.9005	0.4047	0.4047	0.1588	
NITROSOMORPHOLINE	0.99	0.0067	0.0124	0.3524	59-89-2
N-NITROSODIBUTYLAMINE	0.99	0.0855	0.0954	0.1183	924-16-3
N-NITROSODIETHYLAMINE	0.896	0.0888	0.1143	0.0894	55-18-5
N-NITROSOMETHYLVINYLAMINE*	0.9464	0.5287	0.7049	0.2803	4549-40-0
NONADECANE (C19 LINEAR)	0.99	1.0903	1	0.5359	629-92-5
NONANAL	0.99	0.6766	0.6912	0.4839	124-19-6
O TOLUIDINE	0.4585	0.1591	0.1522	0.0527	95-53-4
O,O-DIMETHYL PHOSPHOROCHLORIDOTH(M)	0.99	0.999	0.999	0.4728	2524-03-0
O-ANISIDINE HYDROCHLORIDE (M)	0.99	0.999	0.999	0.4728	134-29-2
OCTACHLORONAPHTHALENE	0.99	1.0982	1	0.354	2234-13-1
OCTADECANE (C18 LINEAR)	0.99	1.0902	1	0.7116	593-45-3
OCTAFLUOROCYLCLOBUTANE	0.99	1.08	1	0.977	115-25-3
OCTAMETHYLPYROPHOSPHORAMIDE (M)	0.99	0.0819	0.0819	0.9907	152-16-9
OCTANAL	0.99	0.7485	0.7745	0.4685	124-13-0
OCTANE	0.99	1.0863	1	0.9832	111-65-9
OCTANOL 2	0.99	0.3814	0.3983	0.2401	123-96-6
OCTANOL 3	0.99	0.5136	0.5363	0.1017	589-98-0
OCTANOL 4	0.99	0.4462	0.4659	0.1228	589-62-8
O-THIOCRESOL	0.99	0.7905	0.8762	0.3716	137-06-4
OXACYCLOPENTADIENE (FURAN,FURFURAN)	0.99	0.9833	1	0.8338	110-00-9

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
OXAMIC ACID*	0.99	.	0.0001	0.3894	471-47-6
OXYDEMETON METHYL (M)	0.99	0.999	0.999	0.4728	301-12-2
P BROMOCHLOROBENZENE	0.99	0.8686	1	0.5305	106-39-8
P TOLUIDINE	0.8496	0.2741	0.2621	0.2305	106-49-0
PARAFORMALDEHYDE (M)	0.99	0	0	0.3198	30525-89-4
PARALDEHYDE	0.7954	0.7173	0.9906	0.2573	123-63-7
PCB AROCLOR 1016 (MONOCHLOROBIPHENY	0.99	1.1038	0.9166	0.3302	12674-11-2
PCB AROCLOR 1221 (MONOCHLOROBIPHEN	0.99	1.1038	0.9166	0.3682	11104-28-2
PCB AROCLOR 1232 (DICHLOROBIPHENY	0.99	1.1368	0.9657	0.4569	11141-16-5
PCB AROCLOR 1242 (TRICHLOROBIPHEN	0.99	0.4727	0.4084	0.3757	53469-21-9
PCB AROCLOR 1248 (QUATROCHLOROBIPHE	0.99	1.14	0.998	0.3509	12672-29-6
PCB AROCLOR 1254 (PENTACHLOROBIPHEN	0.99	0.7979	0.7059	0.3662	11097-69-1
PCB AROCLOR 1260 (HEXACHLOROBIPHEN	0.99	0.4035	0.36	0.3405	11096-82-5
PCB AROCLOR 1268	0.99	0.2777	0.2478	0.3509	111032-14-4
PCB'S (AROCLORS)	0.99	1.1422	1	0.3575	1336-36-3
PEBULATE	0.99	0.4921	0.7308	0.6317	1114-71-2
PENTACHLOROBENZENE	0.99	1.0908	1	0.7221	608-93-5
PENTACHLORODECANE ISOMERS	0.99	0.651	0.6147	0.194	
PENTACHLOROETHANE	0.99	0.9912	0.9656	0.6441	76-01-7
PENTACHLORONITROBENZENE	0.7355	0.7739	0.8385	0.0375	82-68-8
PENTACHLOROPHENOL, NA SALT (M)	0.99	0.999	0.999	0.4728	131-52-2
PENTACHLOROUNDECANE ISOMERS	0.99	0.4759	0.4487	0.0989	
PENTADECANE (C15 LINEAR)	0.99	1.0896	1	0.9598	629-62-9
PENTADIENE 1,2	0.99	1.1908	1	0.968	591-95-7
PENTANAL (VALERALDEHYDE)	0.99	0.8755	0.968	0.4692	110-62-3

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
PENTANE	0.99	1.0822	1	0.9843	109-66-0
PENTANEDINITRILE, 2-BROMO-2-(BROMOM	0.9832	0.2477	0.3733	0.1304	35691-65-7
PENTYL ETHANOATE (N AMYL ACETATE)	0.99	0.8367	0.9934	0.3159	628-63-7
PENTYL PROPANOATE (AMYL PROPIONATE	0.99	0.8657	0.9977	0.512	624-54-4
PENTYLAMINE	0.893	0.7923	0.8846	0.2701	110-58-7
PENTYLBENZENE	0.99	1.1726	1	0.8491	538-68-1
PENTYLCYCLOPENTANE	0.99	1.1029	1	0.9715	3741-00-2
PERCHLOROMETHYL MERCAPTAN	0.99	0.8442	0.9946	0.6467	594-42-3
PERMETHRIN (M)	0.99	0.999	0.999	0.4728	52645-53-1
PEROXY 2 PROPENOYL NITRATE	0.99	0.0276	0.0769	0.6458	
PEROXY ISOBUTRYL NITRATE	0.99	0.0265	0.0549	0.6254	65424-60-4
PEROXY N BUTRYL NITRATE	0.99	0.0073	0.0171	0.5946	
PEROXYACETYL NITRATE	0.99	0.0141	0.0532	0.5605	2278-22-0
PEROXYPROPIONYL NITRATE	0.9816	0.0059	0.0167	0.6044	
PHENANTHRENE	0.99	0.2788	0.2221	0.2182	85-01-8
PHENOL,3-(1,1-DIMETHYLETHYL)-	0.925	0.1385	0.132	0.0925	585-34-2
PHENONTHRIN	0.99	0.0156	0.0148	0.054	26002-80-2
PHENOTHIAZINE (M)	0.99	0.1254	0.1254	0.8769	92-84-2
PHENYL ISOCYANATE	0.99	0.4955	0.5328	0.4306	103-71-9
PHENYL MERCAPTAN	0.99	0.8697	0.9989	0.4792	108-98-5
PHENYLACETIC PEROXIDE	0.971	0.0321	0.0382	0.1732	
PHENYLCYCLOHEXANONE 4	0.99	1.0555	0.9687	0.7638	4894-75-1
PHENYLPHENOL P	0.99	0.001	0.0009	0.6147	92-69-3
PINENE(ALPHA-)	0.99	1.1655	1	0.8789	80-56-8
PIPERIDINE	0.3658	0.8444	0.9312	0.1044	110-89-4
PIRIMIPHOS-METHYL (M)	0.99	0.999	0.999	0.4728	29232-93-7
POLYCHLORINATED DODECANE ISOMERS	0.99	0.337	0.3174	0.0919	
POLYCYCLIC KETONE O (M)	0.99	0	0	0.8734	

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
POTASSIUM N-METHYLDITHIOCARBAMAT(M)	0.99	0.999	0.999	0.4728	137-41-7
P-PHENYLENEDIAMINE, DIHYDROCHLOR(M)	0.99	0.999	0.999	0.4728	624-18-0
PROPANAL (PROPIONALDEHYDE)	0.99	0.8126	0.9992	0.4383	123-38-6
PROPANE	0.99	1.0751	1	0.988	74-98-6
PROPANE SULTONE,1,3-*	0.9031	0.2776	0.4574	0.5793	1120-71-4
PROPANE, 1,1'-OXYBIS 3-CHLORO-	0.8454	0.4735	0.4911	0.177	629-36-7
PROPANIL	0.99	0.9043	1	0.8155	709-98-8
PROPANONE (ACETONE)	0.8432	0.827	0.997	0.3324	67-64-1
PROPENAL (ACROLEIN)	0.9682	0.8554	1	0.481	107-02-8
PROPENYL BENZENE	0.99	1.2172	1	0.6264	637-50-3
PROPIOLACTONE B	0.6035	0.1985	0.304	0.2145	57-57-8
PROPYL BUTANOATE (PROPYL BUTYRATE)	0.99	0.8432	0.9998	0.4948	105-66-8
PROPYL DODECANOATE (PROPYL LAURATE)	0.99	0.9331	0.9729	0.4443	3681-78-5
PROPYL ETHANOATE (PROPYL ACETATE)	0.99	0.7728	0.9994	0.4729	109-60-4
PROPYL ETHER (DIPROPYL ETHER)	0.99	0.9209	1	0.7004	111-43-3
PROPYL METHANOATE (PROPYL FORMATE)	0.99	0.7139	0.9999	0.5776	110-74-7
PROPYL PROPANOATE (PROPYL PROPIONAT	0.99	0.8132	0.9999	0.5023	106-36-5
PROPYL(-N) BENZENE	0.99	1.1911	1	0.8077	103-65-1
PROPYL-3-METHOXY PYRAZINE,2-ISO	0.99	0.1768	0.21	0.0508	25773-40-4
PROPYLAMINE	0.6076	0.794	0.9903	0.2718	107-10-8
PROPYLCYCLOPENTANE	0.99	1.1052	1	0.974	2040-96-2
PROPYLENE (PROPENE)	0.99	1.1438	1	0.9816	115-07-1
PROPYLENE CHLOROHYDRIN	0.313	0.3379	0.3827	0.1353	127-00-4
PROPYLENE GLYCOL MONOMETHYLETHER AC	0.2889	0.4146	0.5722	0.0724	108-65-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
PROPYLENIMINE 1,2 2 METHYL AZIRI	0.681	0.7915	0.9438	0.2559	75-55-8
PROPYNE	0.99	1.2	1	0.9189	74-99-7
PYRAZINE	0.99	0.6381	0.8	0.101	290-37-9
PYRENE	0.99	0.0456	0.0361	0.1046	129-00-0
PYRIDINE	0.7987	0.6079	0.5999	0.1964	110-86-1
PYRIMIDINE	0.985	0.5578	0.6994	0.0969	289-95-2
PYRROLIDINE	0.2684	0.8141	0.9357	0.0691	123-75-1
QUINALDINE	0.9858	0.7323	0.6556	0.0804	91-63-4
QUIZALOFOP-ETHYL (M)	0.99	0.999	0.999	0.4728	76578-14-8
RONNEL	0.99	0.1481	0.1532	0.1211	299-84-3
S4CHL.CYCLOHEX.00DIMETH. PHOS.DIT(M)	0.99	0.052	0.052	0.292	
SAFROLE	0.507	0.7009	0.7135	0.1047	94-59-7
SEC BUTYLBENZENE	0.99	1.1868	1	0.8286	135-98-8
SETHOXYDIM (M)	0.99	0.999	0.999	0.4728	74051-80-2
S-ETHYL CYCLOHEXYLETHYLCARBAMOTHIOA	0.4306	0.6489	0.7577	0.0628	1134-23-2
SODIUM DODECYL SULFATE (M)	0.99	0.0808	0.0808	0.3855	151-21-3
SODIUM DODECYLBENZENE SULFONATE (M)	0.9077	0.0829	0.0829	0.1051	25155-30-32
SODIUM PENTOBARBITOL (M)	0.99	0.999	0.999	0.4728	57-33-0
STREPTOZOTOCIN (M)	0.99	0.0924	0.0924	0.9964	18883-66-4
STYRENE OXIDE	0.814	0.8831	0.83	0.1852	96-09-3
T 2,4 PENTANEDIOL DINITRATE	0.9524	0.0984	0.2408	0.2719	
T BUTYL NITRATE	0.99	0.5382	1	0.6607	
TAMARON (METHAMIDIPHOS)	0.2513	0.4299	0.6721	0.1188	10265-92-6
T-BUTYL HYDROPEROXIDE	0.99	0.6537	0.9187	0.1765	75-91-2
TERBACIL	0.99	0.672	1	0.4759	5902-51-2
TERBUFOS	0.99	0.251	0.3125	0.1289	13071-79-9
TERPINEOL, ALPHA	0.99	0.1281	0.125	0.1314	98-55-5
TERT-AMYLBENZENE	0.99	1.1827	1	0.8401	2049-95-8

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
TERT-BUTYL ACETATE	0.99	0.8299	1	0.5862	540-88-5
TERT-BUTYLBENZENE	0.99	1.192	1	0.8078	98-06-6
TETRACHLOROAQUINONE	0.99	0.7403	0.7658	0.2955	118-75-2
TETRACHLOROBENZENE (1,2,4,5)	0.99	1.1006	1	0.7669	95-94-3
TETRACHLORODIBENZOFURAN (2,3,7,8)	0.99	0.5493	0.5014	0.2913	51207-31-9
TETRACHLOROETHANE(1,1,1,2)	0.99	1.0353	1	0.6621	630-20-6
TETRACHLOROETHANE(1,1,2,2)	0.99	1.0152	0.9986	0.5245	79-34-5
TETRACHLOROETHENE	0.99	1.0483	1	0.8866	127-18-4
TETRACHLOROPHENOL(2,3,4,6)	0.99	0.6367	0.6216	0.0999	58-90-2
TETRACHLOROPROPENE (1,1,2,3)	0.99	1.0497	1	0.8066	10436-39-2
TETRADECANE	0.99	1.0893	1	0.967	629-59-4
TETRAETHYL LEAD*	0.99	0.9575	0.8891	0.9768	78-00-2
TETRAETHYLENE PENTANE	0.99	1.1827	1	0.9247	
TETRAETHYLPYROPHOSPHATE (M)	0.99	0.0799	0.0799	0.3261	107-49-3
TETRAFLUOROETHENE	0.99	1.08	1	0.9749	116-14-3
TETRAFLUOROMETHANE (CARBONTETRAFLUORIDE)	0.99	1.0374	1	0.9877	75-73-0
TETRAHYDROBENZALDEHYDE	0.8707	0.6781	0.6838	0.24	1321-16-0
TETRAHYDROFURAN (THF)	0.9158	0.8601	1	0.5563	109-99-9
TETRAHYDROPYRAN	0.9875	0.898	1	0.4208	142-68-7
TETRAHYDROTHIOPHENE	0.99	0.6955	0.9999	0.5811	110-01-0
TETRANITROMETHANE*	0.259	0.2667	1	0.1696	509-14-8
THIOACETAMIDE	0.9274	0.2177	0.5194	0.2742	62-55-5
THIOANISOLE	0.99	0.8638	0.9587	0.4202	100-68-5
THIOCYANATE (TOTAL AS SCN-)(M)	0.99	0.6424	0.6424	0.9063	463-56-9
THIODICARB (M)	0.99	0.999	0.999	0.4728	59669-26-32
THIOPHENE	0.99	0.7592	1	0.7328	110-02-1
THIRAM (M)	0.99	0.1048	0.1048	0.957	137-26-8
THYMINE	0.99	0.3752	1	0.9935	65-71-4
TOLUENE	0.99	1.2149	1	0.78	108-88-3

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
TOLUENE24DIAZOBIS-METATOLUENEDIA(M)	0.9863	0.011	0.011	0.1692	
TOLUENESULFONYL CHLORIDE	0.3652	0.046	0.0469	0.0264	98-59-9
TOLUIC ALDEHYDE	0.99	0.3054	0.2867	0.4361	122-78-1
TOXAPHENE	0.8136	0.0536	0.0499	0.0545	8001-35-2
TRANS 1,2 CYCLOHEPTANEDIOL DINITRAT	0.8471	0.0107	0.0217	0.0964	
TRANS 1,2 CYCLOHEXANEDIOL DINITRATE	0.923	0.0089	0.0196	0.1436	
TRANS 1,2 DIMETHYLCYCLOHEXANE	0.99	1.1171	1	0.969	6876-23-9
TRANS 1,3 CYCLOHEXANEDIOL DINITRATE	0.9105	.	.	0.1202	
TRANS 1,3 DICHLOROPROPENE	0.99	1.071	1	0.6751	10061-02-6
TRANS 1,4 DIMETHYLCYCLOHEXANE	0.99	1.1171	1	0.9743	2207-04-7
TRANS 2 BUTENAL (CROTONALDEHYDE)	0.6342	0.8769	0.9628	0.2571	4170-30-3
TRANS 2 BUTENE	0.99	1.1409	1	0.9782	624-64-6
TRANS 2 HEPTENE	0.99	1.1205	1	0.9706	14686-13-6
TRANS 2 HEXENAL	0.9102	0.9481	0.9845	0.3219	6728-26-3
TRANS 2 OCTENAL	0.9897	0.8759	0.883	0.3191	2363-89-5
TRANS-TRANS 2,4 HEXADIENAL	0.9574	0.9953	0.999	0.3888	142-83-6
TRIBENURON-METHYL (M)	0.99	0.0323	0.0323	0.3353	101200-48-0
TRIBROMOMETHYLPHOSPHATE (M)	0.9797	0.0517	0.0517	0.1771	
TRIBUTYL PHOSPHOROTRITHIOATE SSS	0.99	.	.	0.2672	78-48-8
TRIBUTYL TIN ACETATE	0.99	0.929	0.98	0.4315	56-36-0
TRICHLORO-1,3,5-TRIAZINE 2,4,6	0.99	0.2282	0.2728	0.5601	108-77-0
TRICHLOROACETYLCHLORIDE	0.99	0.9557	1	0.4724	76-02-8
TRICHLOROANISOLE 2,3,6	0.99	1.0296	0.9972	0.2962	50375-10-5
TRICHLOROBENZENE 1,2,4	0.99	1.1142	1	0.5496	120-82-1
TRICHLOROBUTANE 1,2,3	0.242	1.0565	1	0.1675	18338-40-4
TRICHLOROETHANE	0.99	1.0371	1	0.8982	71-55-6

TABLE 2 OF APPENDIX J--Continued

Compound	fr	m25D fm	305	Fe	CAS
TRICHLOROETHYLENE	0.99	1.0533	1	0.8584	79-01-6
TRICHLORONITROMETHANE*	0.99	0.7383	1	0.6757	76-06-2
TRICHLOROPHENOL 2,4,5	0.9637	0.1108	0.1083	0.1467	95-95-4
TRICHLOROPROPANE 1,1,1	0.99	1.0424	1	0.7067	7789-89-1
TRICHLOROPROPANE(1,1,2)	0.99	1.0371	1	0.9324	598-77-6
TRICHLOROPROPANE(1,2,2)	0.99	1.0465	1	0.9365	3175-23-3
TRICHLOROPROPANE(1,2,3)	0.8438	1.0477	1	0.5764	96-18-4
TRICHLOROPROPENE (1,1,2)	0.99	1.062	1	0.7923	21400-25-9
TRICOSANE N (M)	0.99	0.1328	0.1328	0.9871	638-6-5
TRIDECANE (C13 LINEAR)	0.99	1.089	1	0.9716	629-50-5
TRIETHYLAMINE	0.99	0.9374	1	0.3953	121-44-8
TRIETHYLPHOSPHOROTHIOATE, O,O,O- (M)	0.9892	0.1259	0.1259	0.703	126-68-1
TRIFLUOROACETIC ACID	0.1464	0.3883	0.4967	0.1521	76-05-1
TRIFLUOROACETYLCHLORIDE	0.954	0.9307	1	0.455	
TRIFLUOROETHANE(1,1,1)	0.99	1.0585	1	0.987	420-46-2
TRIFLUOROMETHANE (R23)	0.99	1.0567	1	0.9773	75-46-7
TRIFLUOROMETHYL BENZENE	0.99	1.1551	1	0.8291	
TRIFLURALIN	0.99	0.2004	0.2572	0.2498	1582-09-8
TRIIODOMETHANE (IODOFORM)	0.99	0.0117	0.0388	0.7286	75-11-8
TRIISOBUTYLENE	0.99	1.1165	1	0.8888	7756-94-7
TRIISOPROPYLAMINE	0.99	1.0258	1	0.5032	3424-21-3
TRIMELLITIC ANHYDRIDE (M)	0.629	0.1289	0.1289	0.0456	552-30-7
TRIMETHOXYMETHANE	0.9717	0.2131	0.3512	0.2266	149-73-5
TRIMETHYL-4-NITROANILINE 2,3,5 (M)	0.99	0.135	0.135	0.7544	
TRIMETHYLAMINE	0.99	0.8111	0.9999	0.6086	75-50-3
TRIMETHYLBENZENE (1,3,5)	0.99	1.1997	1	0.7323	108-67-8
TRIMETHYLPENTANE 2,2,4	0.99	1.1162	1	0.9807	540-84-1
TRIMETHYLSILANOL	0.99	0.5333	1	0.4874	1066-40-6
TRI-N-BUTYLTIN FLUORIDE (M)	0.99	0.999	0.999	0.4728	1983-10-4

TABLE 2 OF APPENDIX J--Concluded

Compound	fr	m25D fm	305	Fe	CAS
TRINITROBENZENE,SYM-	0.2238	0.0128	0.029	0.0317	99-35-4
TRINITROTOLUENE(2,4,6)	0.2428	0.0098	0.0201	0.134	118-96-7
TRIPHENYL PHOSPHINE (M)	0.99	0.0939	0.0939	0.2812	603-35-0
TRIPHENYLMETHANE	0.99	0.7556	0.608	0.3033	519-73-3
TRIPHENYLPHOSPHINE NICKEL CARBON(M)	0.99	0.0365	0.0365	0.5562	
TRIPHENYLTIN CHLORIDE (M)	0.99	0.999	0.999	0.4728	639-58-7
TRIS (1-AZIRIDINYL) PHOSPHINE SU(M)	0.99	0.1304	0.1304	0.951	52-24-4
TRIS (2,3-DIBROMOPROPYL) PHOSPHA(M)	0.99	0	0	1.0001	126-72-7
UNDECANE (C11 LINEAR)	0.99	1.0882	1	0.9857	1120-21-4
URACIL	0.99	0.2493	1	0.9522	66-22-8
VINYL ACETATE	0.99	0.7478	1	0.5922	108-05-4
VINYL ACETYLENE	0.99	1.2315	1	0.9437	689-97-4
VINYL DIHYDROPYRAN	0.99	0.9347	1	0.5476	
VINYL METHYL ETHER	0.99	0.8305	1	0.9074	107-25-5
VINYLCYCLOHEXENE 4	0.99	1.1648	1	0.9787	100-40-3
XYLENE	0.99	1.2063	1	0.8	1330-20-7
XYLENE(-M)	0.99	1.2063	1	0.7863	108-38-3
XYLENE(-O)	0.99	1.2063	1	0.7688	95-47-6
XYLENE(-P)	0.99	1.2063	1	0.7959	106-42-3
XYLYL CHLORIDE M	0.99	1.0879	1	0.6111	620-19-9
XYLYL CHLORIDE O	0.99	1.0879	1	0.6111	552-45-4

* Molecular structure only approximate.
(M) Fraction measured (Fm) estimated from Mwt correlation.
[1] The Fe values listed in Table 2 are Fe values for emissions from both the individual drain system and the treatment process. Use these Fe values with Section 2.5.1.

TABLE 3 OF APPENDIX J--FE VALUES FOR EMISSIONS FROM BOTH THE INDIVIDUAL DRAIN SYSTEM AND THE TREATMENT PROCESS (use with Section 2.5.1)

Henry's Law Constant	Fe value
0.025	0.01
0.052	0.02
0.081	0.03
0.11	0.04
0.15	0.05
0.18	0.06
0.21	0.07
0.25	0.08
0.28	0.09
0.32	0.1
0.35	0.11
0.39	0.12
0.45	0.13
0.52	0.14
0.60	0.15
0.68	0.16
0.76	0.17
0.83	0.18
0.91	0.19
0.99	0.2
1.2	0.21
1.4	0.22
1.6	0.23
1.8	0.24
2.0	0.25
2.2	0.26
2.4	0.27
2.6	0.28
2.8	0.29
3.0	0.3
3.2	0.31

TABLE 3 OF APPENDIX J–-Continued

Henry's Law Constant	Fe value
3.4	0.32
3.6	0.33
3.8	0.34
4.3	0.35
5.6	0.36
7.0	0.37
8.3	0.38
9.7	0.39
11.5	0.4
13.6	0.41
15.6	0.42
17.6	0.43
19.6	0.44
22.4	0.45
25.4	0.46
28.3	0.47
31.2	0.48
34.2	0.49
37.1	0.5
40.1	0.51
43.8	0.52
47.6	0.53
51.4	0.54
55.1	0.55
58.9	0.56
64.3	0.57
70.4	0.58
76.5	0.59
82.6	0.6
88.7	0.61
94.9	0.62
102.9	0.63

TABLE 3 OF APPENDIX J–-Continued

Henry's Law Constant	Fe value
121.1	0.64
139.3	0.65
157.6	0.66
175.8	0.67
194.0	0.68
212.3	0.69
230.5	0.7
248.7	0.71
266.9	0.72
285.2	0.73
303.4	0.74
321.6	0.75
339.9	0.76
358.1	0.77
376.3	0.78
394.6	0.79
442.3	0.8
502.7	0.81
563.0	0.82
623.4	0.83
683.7	0.84
744.0	0.85
804.4	0.86
864.7	0.87
925.1	0.88
985.4	0.89
1281.9	0.9
1638.9	0.91
1995.9	0.92
2453.0	0.93
3158.0	0.94
5315.6	0.95

TABLE 3 OF APPENDIX J–-Concluded

Henry's Law Constant	Fe value
8709.6	0.96
4190876923.4	0.97
10000000000.0	0.98

TABLE 4 OF APPENDIX J--FET VALUES FOR COMPOUNDS WITH HENRY'S LAW CONSTANTS AT 25^{0} C THAT ARE GREATER THAN OR EQUAL TO 0.1 (Y/X) ATMOSPHERES PER MOLE FRACTION
(use with Section 2.5.3)

Compound	Y/X	fet	CAS
1 BROMO 2 (2 PROPYL) BENZENE OBROMOCUMENE	326.80	0.538	
1 BROMO 2 CHLORO 2 BUTENE	188.90	0.585	544132-84-3
1 BROMO 2 CHLOROETHANE	50.50	0.618	107-04-0
1 BROMO 2 ETHYLBENZENE	185.20	0.524	
1 BROMO 2 METHYL PROPANE	1292.00	0.748	78-77-3
1 BROMO 3 METHYLBUTANE (ISOAMYLBROMIDE)	1916.00	0.716	107-82-4
1 BROMOBUTANE	6693.00	0.709	109-65-9
1 BROMOPENTANE (AMYLPENTANE)	1089.00	0.716	
1 BROMOPROPANE	396.80	0.743	106-94-5
1 BUTANOL	0.43	0.173	71-36-3
1 BUTENE	13530.00	0.710	106-98-9
1 BUTYL NITRATE	85.47	0.568	928-45-0
1 BUTYNE (ETHYLACETYLENE)	1010.00	0.798	107-00-6
1 CHLORO 1,1 DIFLUOROMETHANE R142B	3968.00	0.683	
1 CHLORO 1,2,2,2 TETRAFLUOROETHANE R124	5050.00	0.583	
1 CHLORO 2 METHYL PROPANE	66.14	0.608	513-36-0
1 CHLORO 2 METHYLBENZENE	198.40	0.573	95-49-8
1 CHLORO 2,3-EPOXYPROPANE	1.69	0.334	106-89-8
1 CHLOROBUTANE	941.60	0.719	109-69-3
1 CHLOROHEXANE (HEXYL CHLORIDE)	1355.00	0.723	544-10-5
1 CHLORONAPHTHALENE	191.60	0.516	90-13-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1 CHLOROPENTANE (AMYL CHLORIDE)	2778.00	0.690	543-59-9
1 DODECANOL	2.78	0.207	112-53-8
1 ETHENYL 2 METHYL BENZENE	169.30	0.539	611-15-4
1 ETHENYL 3 METHYLBENZENE	213.70	0.566	100-80-1
1 ETHYL 2 METHYLBENZENE (O-ETHYLTOLUENE)	307.80	0.591	611-14-3
1 ETHYL 4 METHYLBENZENE (P-ETHYLTOLUENE)	277.80	0.574	622-96-8
1 ETHYLNAPHTHALENE	20.58	0.350	1127-76-0
1 FLUOROPROPANE	896.00	0.778	
1 HEPTADECANOL	0.76	0.097	1454-85-9
1 HEPTANOL	1.03	0.196	111-70-6
1 HEPTENE	22220.00	0.575	592-76-7
1 HEPTYNE	3968.00	0.662	628-71-7
1 HEXADECANOL	0.93	0.106	36653-82-4
1 HEXENE	23150.00	0.542	592-41-6
1 HEXYL NITRATE	82.92	0.527	
1 HEXYNE	1208.00	0.721	693-02-7
1 IODOBUTANE	881.80	0.698	542-69-8
1 IODOPROPANE	505.00	0.703	107-08-4
1 ISOCYANO 3-METHYLBENZENE	0.62	0.137	621-29-4
1 METHYLCYCLOHEXENE	4273.00	0.664	591-49-1
1 NONANOL	1.95	0.218	143-08-8
1 NONENE	46300.00	0.487	124-11-8
1 NONYNE	7936.00	0.551	567104

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1 OCTADECANOL	0.60	0.077	112-92-5
1 OCTANOL	1.32	0.199	111-87-5
1 OCTENE	34970.00	0.523	111-66-0
1 OCTYNE	4630.00	0.621	629-05-0
1 PENTADECANOL	1.03	0.115	629-76-5
1 PENTYL NITRATE (AMYL NITRATE)	92.59	0.575	1002-16-0
1 PENTYNE	1355.00	0.760	627-19-0
1 PROPANETHIOL	222.20	0.701	107-03-9
1 PROPANOL	0.51	0.171	71-23-8
1 PROPYL NITRATE	70.55	0.619	627-13-4
1 TETRADECANOL	1.13	0.124	112-72-1
1-(4-CHLOROPHENYL)ETHANOL	435.00	0.656	544855
1-(CHLOROMETHYL) NAPHTHALENE	65.00	0.408	86-52-2
1,1 DICHLOROBUTANE	427.30	0.684	541-33-3
1,1 DICHLOROETHENE VINYLIDENE CHLORIDE	1431.00	0.746	75-35-4
1,1 DICHLOROTETRAFLUOROETHANE R114	94160.00	0.490	
1,1 DIETHOXYETHANE (ACETAL)	5.56	0.394	105-57-7
1,1 DIFLUOROETHENE*	22220.00	0.818	75-38-7
1,1,1 TRIFLUORO 2 PROPANOL	1.24	0.237	
1,1,1 TRIFLUORO 2 PROPANONE	0.40	0.124	
1,1,1 TRIMETHOXYETHANE	0.85	0.195	1445-45-0
1,1,1,2 TETRAFLUOROETHANE (R134A)	1029.00	0.694	811-97-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1,1,1,2-TETRACHLORO-2-FLUOROETHANE	6666.00	0.595	354-11-0
1,1,1,3,3,3 HEXAFLUORO 2 PROPANOL	2.32	0.238	
1,1,1,3,3-PENTAFLUORO-2,2-DICHLOROPROPAN	14790000.00	0.821	128903-21-9
1,1,1,3,3-PENTAFLUORO-2,3-DICHLOROPROPAN	4414000.00	0.797	431-86-7
1,1,1-TRIFLUORO-2-CHLOROETHANE	897.20	0.738	75-88-7
1,1,2 TRICHLOROETHANE	54.30	0.548	79-00-5
1,1,2 TRICHLOROTRIFLUOROETHANE R113	17590.00	0.493	76-13-1
1,1,3 TRIMETHYLCYCLOPENTANE	86800.00	0.628	4516-69-2
1,10 DECANEDIOL DINITRATE	1.29	0.134	
1,10 DICHLORODECANE	277.80	0.522	
1,12 DICHLORODODECANE	3.47	0.208	
1,1-DICHLORO-1,2,2-TRIFLUOROETHANE	121500.00	0.595	812-04-4
1,1-DICHLORO-1-FLUOROETHANE R141B	7032.00	0.679	1717-00-6
1,1-DICHLORO-2,2,3,3,3-PENTAFLUOROPROPAN	12590000.00	0.818	422-56-0
1,1-DIFLUOROETHANE (R152A)	1358.00	0.841	75-37-6
1,2 BUTANEDIOL DINITRATE	2.65	0.255	
1,2 DECANEDIOL DINITRATE	27.78	0.321	
1,2 DIBROMOETHANE	29.07	0.533	106-93-4
1,2 DIBROMOPROPANE	81.70	0.572	78-75-1
1,2 DICHLOROBENZENE (-O)	87.60	0.595	95-50-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1,2 DICHLOROETHENE TRANS	561.20	0.766	156-60-5
1,2 DICHLOROTETRAFLUOROETHANE R114	66930.00	0.463	
1,2 DIETHOXYETHANE	3.48	0.358	629-14-1
1,2 DIFLUOROBENZENE	396.80	0.696	
1,2 EPOXYPROPANE (PROPYLENEOXIDE)	4.47	0.440	75-56-9
1,2 ETHANEDIOL DINITRATE	0.70	0.170	628-96-6
1,2 HEXANEDIOL DINITRATE	5.73	0.277	
1,2 OCTANEDIOL DINITRATE	10.48	0.292	
1,2 PENTANEDIOL DINITRATE	4.27	0.273	
1,2 PROPANEDIOL DINITRATE	1.74	0.241	6423-43-4
1,2,10,11 TETRACHLOROUNDECANE	3.47	0.203	
1,2,3 TRICHLOROBENZENE	69.44	0.423	87-61-6
1,2,3,4 TETRACHLOROBENZENE	38.80	0.370	634-66-2
1,2,3,4 TETRAHYDRONAPHTHALENE (TETRALIN)	104.80	0.485	119-64-2
1,2,3,4TETRACHLORODIBENZO[BE][1,4]DIOXIN	1.09	0.112	30746-58-8
1,2,3,5 TETRACHLOROBENZENE	87.78	0.416	634-90-2
1,2,3-TRIMETHYL BENZENE	199.10	0.551	526-73-8
1,2,4 TRICHLORODIBENZO[B,E][1,4]DIOXIN	1.98	0.272	
1,2,4,5 TETRAMETHYLBENZENE	1389.00	0.627	95-93-2
1,2,4-TRIMETHYLBENZENE	342.20	0.596	95-63-6
1,2,9,10 TETRACHLORODECANE	9.75	0.276	
1,2-DIBROMOTETRAFLUOROETHANE	101900.00	0.634	124-73-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1,2-DICHLORO-1,1,2,3,3-PENTAFLUOROPROPAN	5554000.00	0.802	422-44-6
1,2-DICHLORO-1,1-DIFLUOROETHANE	3944.00	0.694	1649-08-7
1,2-DICHLOROTETRAFLUOROETHANE	193600.00	0.623	76-14-2
1,2-METHYLENEDIOXY-4-PROPENYL BENZENE	3.13	0.253	120-58-1
1,3 BUTANEDIOL DINITRATE	0.96	0.158	
1,3 DIBROMOBENZENE	108.90	0.550	108-36-1
1,3 DIBROMOPROPANE	50.50	0.530	109-64-8
1,3 DICHLOROBENZENE (-M)	157.80	0.558	541-73-1
1,3 DICHLOROPROPANE	55.56	0.636	142-28-9
1,3 DICHLOROPROPENE	85.47	0.586	542-75-6
1,3 DIFLUOROBENZENE	427.30	0.700	372-18-9
1,3 DIMETHYLNAPHTHALENE	39.68	0.382	575-41-7
1,3 PROPANEDIOL DINITRATE*	0.43	0.107	3457-90-7
1,3,5 CYCLOHEPTATRIENE	264.50	0.649	544-25-2
1,3,5 TRICHLOROBENZENE	105.00	0.456	108-70-3
1,3-DICHLORO-1,1,2,3,3-PENTAFLUOROPROPAN	6012.00	0.506	136013-79-1
1,3-DICHLORO-1,2,2,3,3-PENTAFLUOROPROPAN	5554000.00	0.802	507-55-1
1,3-DIOXOLANE	1.36	0.348	646-06-0
1,3-PROPANEDIOL, 2-BROMO-2-NITRO-	0.13	0.038	52-51-7
1,4 BUTANEDIOL DINITRATE	0.35	0.079	
1,4 DIBROMOBENZENE	113.40	0.550	106-37-6
1,4 DICHLORO-2-BUTENE	14.39	0.480	764-41-0

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1,4 DICHLOROBENZENE (-P)	175.50	0.568	106-46-7
1,4 DIFLUOROBENZENE	427.30	0.701	
1,4 DIMETHYLNAPHTHALENE	27.78	0.364	571-58-4
1,4 DIOXANE	0.40	0.204	123-91-1
1,4 PENTADIENE	6536.00	0.689	591-93-5
1,4 PENTANEDIOL DINITRATE	1.42	0.175	
1,4-DICHLORO-2-BUTENE(TRANS)	4.87	0.386	110-57-6
1,5 DICHLOROPENTANE	30.86	0.504	
1,5 DIMETHYLNAPHTHALENE	34.72	0.375	571-61-9
1,5 HEXADIENE	7507.00	0.641	592-42-7
1,5 HEXANEDIOL DINITRATE	1.98	0.189	
1,5 PENANEDIOL DINITRATE	0.46	0.085	
1,6 HEXANEDIOL DINITRATE	0.37	0.065	
1,7 HEPTANEDIOL DINITRATE	0.46	0.123	
1,8 OCTANEDIOL DINITRATE	0.70	0.097	
1112TETRACHLORO22DIFLUOROETHANE	5556.00	0.544	76-11-9
1-BROMODECANE	109.40	0.407	112-29-8
1-BROMONONANE	93.33	0.410	693-58-3
1-CHLORO-1,1-DIFLUOROETHANE	3267.00	0.729	75-68-3
1-CHLORO-1,2,2,2-TETRAFLUOROETHANE	19000.00	0.729	2837-89-0
1-CHLORO-4-ISOCYANATOBENZENE	0.30	0.080	104-12-1
1-ETHOXY-HEXANE	105.00	0.529	5756-43-4
1-ETHOXY-OCTANE	98.33	0.441	929-61-3
1H IMIDAZOLE*	0.21	0.117	288-32-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
1-METHYL NAPHTHALENE	28.30	0.385	90-12-0
1-NITROPROPANE	5.05	0.410	108-03-2
1-PENTANOL (AMYLALCOHOL)	0.68	0.189	71-41-0
1-PENTENE	22220.00	0.693	109-67-1
1-PROPOXY 2-PROPANOL	0.43	0.125	1569-01-3
2 AMINO-4-CHLORO-6-CYANOPYRIDINE*	17.22	0.440	
2 BROMO 2 METHYL PROPANE	1792.00	0.751	507-19-7
2 BROMOPROPANE	603.90	0.760	75-26-3
2 BUTANOL (SEC BUTANOL)	0.51	0.224	78-92-2
2 BUTANONE (METHYL ETHYL KETONE, MEK)	2.58	0.358	78-93-3
2 BUTEN 1 0L	0.19	0.091	6117-91-5
2 BUTEN 3 ONE (METHYL VINYL KETONE)	2.58	0.387	78-94-4
2 BUTYL NITRATE (ISOBUTYL NITRATE)	126.30	0.636	543-29-3
2 CHLORO 1,1,1 TRIFLUOROETHANE R133	1501.00	0.729	
2 CHLOROANILINE	933.30	0.733	95-51-2
2 CHLOROBENZYL ALCOHOL	0.16	0.053	17849-38-6
2 CHLOROBUTANE	1029.00	0.735	78-86-4
2 CHLOROETHYLVINYLETHER	1922.00	0.800	110-75-8
2 CHLORONAPHTHALENE	17.36	0.365	91-58-7
2 CHLOROPENTANE	1543.00	0.745	625-29-6
2 CHLOROPHENOL	0.62	0.155	95-57-8
2 ETHYLHEXYL DODECANOATE	179.20	0.410	

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2 ETHYLHEXYL HEXANOL	4.78	0.238	
2 ETHYLNAPHTHALENE	34.72	0.375	939-27-5
2 HEPTANONE	9.39	0.380	110-43-0
2 IODOPROPANE	624.20	0.715	75-30-9
2 METHYL 1 BUTANOL (ISOPENTANOL)	0.78	0.208	137-32-6
2 METHYL 1 PROPANOL (ISOBUTANOL)	1.50	0.329	78-83-1
2 METHYL 1-PENTENE	15430.00	0.629	763-29-1
2 METHYL 2 BUTANOL (TERT-PENTANOL)	0.76	0.205	75-85-4
2 METHYL 2 BUTENE	12350.00	0.693	513-35-9
2 METHYL 2 PENTANOL	1.79	0.271	590-36-3
2 METHYL 2 PROPANOL (TERT-BUTANOL)	0.79	0.248	75-65-0
2 METHYL 3 BUTEN 2 OL	0.85	0.219	115-18-4
2 METHYL 3 PENTANOL	1.92	0.277	565-67-3
2 METHYL OCTANE	264500.00	0.640	3221-61-2
2 METHYL TETRAHYDROFURAN	5.05	0.381	96-47-9
2 METHYL THIOPHENE	132.30	0.614	554-14-3
2 METHYLHEXANE C7H16	191600.00	0.696	591-76-4
2 METHYLNAPHTHALENE	28.78	0.379	91-57-6
2 METHYLNONANE	308600.00	0.615	871-83-0
2 METHYLPROPENAL (METHACROLEIN)	15.50	0.527	78-85-3
2 METHYLPROPYLMETHANOATE (ISOBUTYL FORMAT	32.68	0.536	542-55-2
2 NITROPHENOL	1.88	0.465	88-75-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2 NITROTOLUENE	0.69	0.155	88-72-2
2 NONANONE	20.58	0.384	821-55-6
2 OCTANONE	10.29	0.372	111-13-7
2 PENTANONE	3.47	0.376	107-87-9
2 PENTENE	12920.00	0.686	109-68-2
2 PENTYL NITRATE	163.40	0.627	21981-48-6
2 PROPANOL (ISOPROPANOL)	0.43	0.204	67-63-0
2 PROPEN 1 OL (ALLYL ALCOHOL)	0.31	0.155	107-18-6
2 PROPYL NITRATE	126.30	0.670	1712-64-7
2 PYRROLIDONE	0.14	0.093	616-45-5
2 UNDECANONE	34.72	0.370	112-12-9
2,2 DIMETHYL 1 PROPANOL	1.11	0.245	75-84-3
2,2 DIMETHYL PROPANOIC ACID	0.15	0.063	75-98-9
2,2 DIMETHYLBUTANE C6H14	94160.00	0.678	75-83-2
2,2 DIMETHYLHEPTANE	264500.00	0.644	1071-26-7
2,2 DIMETHYLHEXANE	191600.00	0.588	590-73-8
2,2 DIMETHYLOCTANE	326800.00	0.800	15869-87-1
2,2 DIMETHYLPENTANE	173600.00	0.697	590-35-2
2,2' PCB	19.16	0.309	13029-08-8
2,2,2 TRIFLUOROETHANOL	0.94	0.260	79-89-8
2,2,3 TRIMETHYLBUTANE	135500.00	0.629	464-06-2
2,2,3 TRIMETHYLHEPTANE	370400.00	0.634	52896-92-1
2,2,3 TRIMETHYLHEXANE	292400.00	0.656	16747-25-4
2,2,3 TRIMETHYLPENTANE	213700.00	0.655	564-02-3
2,2',3,3' PCB	11.34	0.266	38444-93-8

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2,2,3,3 TETRAFLUORO 1 PROPANOL	0.35	0.105	
2,2,3,3 TETRAMETHYLBUTANE	213700.00	0.673	594-82-1
2,2,3,3 TETRAMETHYLHEXANE	463000.00	0.665	13475-81-5
2,2,3,3 TETRAMETHYLPENTANE	347200.00	0.671	7154-79-2
2,2,3,3,3 PENTAFLUORO 1 PROPANOL	1.24	0.200	
2,2,3,3,4 PENTAMETHYLPENTANE	555600.00	0.674	16747-44-7
2,2',3,3',4,4' PCB	1.68	0.148	383832-07-3
2,2,3,4 TETRAMETHYLHEXANE	463000.00	0.655	52897-08-2
2,2,3,4 TETRAMETHYLPENTANE	326800.00	0.664	1186-53-4
2,2,3,4,4 PENTAMETHYLPENTANE	555600.00	0.672	16747-45-8
2,2,3,5 TETRAMETHYLHEXANE	347200.00	0.637	52897-09-3
2,2,4 TRIMETHYLHEPTANE	347200.00	0.626	14720-74-2
2,2,4 TRIMETHYLHEXANE	264500.00	0.644	16747-26-5
2,2,4,4 TETRAMETHYLHEXANE	463000.00	0.662	517532-65-3
2,2,4,4 TETRAMETHYLPENTANE	292400.00	0.657	1070-87-7
2,2',4,4',5,5' PCB	7.31	0.232	35065-27-1
2,2',4,4',6,6' PCB	42.74	0.311	33979-03-2
2,2,4,5 TETRAMETHYLHEXANE	370400.00	0.635	16747-42-5
2,2',4,5,5' PCB	14.25	0.306	376832-73-2
2,2',4,6,6' PCB	50.50	0.326	56558-16-8
2,2,5 TRIMETHYLHEPTANE	347200.00	0.777	20291-95-6
2,2,5 TRIMETHYLHEXANE C9H20	292400.00	0.654	3522-94-9
2,2',5,5' PCB	19.16	0.290	35693-99-3
2,2,5,5 TETRAMETHYLHEXANE	308600.00	0.627	1071-81-4
2,2',5,6' PCB	23.15	0.298	41464-41-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2,2,6 TRIMETHYLHEPTANE	326800.00	0.629	1190-83-6
2,2',6,6' PCB	30.86	0.311	15968-05-5
2,2-DICHLOROPROPANE	298.90	0.697	594-20-7
2,2'-OXYBIS(2-CHLOROPROPANE*	22.06	0.390	39638-32-9
2,3 BUTANEDIOL DINITRATE	4.63	0.307	
2,3 DICHLORO 1 PROPENE	198.40	0.692	78-88-6
2,3 DIMETHYL 1,3 BUTADIENE	2645.00	0.707	513-81-5
2,3 DIMETHYL 2 BUTANOL	1.85	0.272	594-60-5
2,3 DIMETHYLBUTANE C6H14	71220.00	0.667	79-29-8
2,3 DIMETHYLHEPTANE	292400.00	0.641	3074-71-3
2,3 DIMETHYLHEXANE	213700.00	0.649	584-94-1
2,3 DIMETHYLNAPHTHALENE	32.68	0.372	581-40-8
2,3 DIMETHYLOCTANE	370400.00	0.635	7146-60-3
2,3 DIMETHYLPENTANE C7H16	95780.00	0.637	589-59-3
2,3,3 TRIMETHYLHEPTANE	396800.00	0.651	52896-93-2
2,3,3 TRIMETHYLHEXANE	326800.00	0.648	16747-28-7
2,3,3 TRIMETHYLPENTANE	231500.00	0.674	560-21-4
2,3,3,4 TETRAMETHYLHEXANE	463000.00	0.754	52897-10-6
2,3,3,4 TETRAMETHYLPENTANE	347200.00	0.670	16747-38-9
2,3,3,5 TETRAMETHYLHEXANE	396800.00	0.647	52897-11-7
2,3,4 TRIMETHYLHEPTANE	396800.00	0.641	52896-95-4
2,3,4 TRIMETHYLHEXANE	308600.00	0.656	921-47-1
2,3,4 TRIMETHYLPENTANE C8H18	97460.00	0.601	565-75-3
2,3,4,4 TETRAMETHYLHEXANE	463000.00	0.661	52897-12-8
2,3,4,5 TETRAMETHYLHEXANE	396800.00	0.642	52897-15-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2,3',5 PCB	18.52	0.297	38444-81-4
2,3,5 TRIMETHYLHEPTANE	396800.00	0.641	
2,3,5 TRIMETHYLHEXANE	277800.00	0.645	1069-53-0
2,3,5,6 TETRACHLOROPHENOL	6167000.00	0.788	935-95-5
2,3,6 TRIMETHYLHEPTANE	347200.00	0.637	4032-93-3
2,3-DICHLORO-1,1,1,2,3-PENTAFLUOROPROPAN	5631000.00	0.801	422-48-0
2,3-DIMETHYLPYRIDINE	0.40	0.117	583-61-9
2,4 DICHLOROANILINE	0.10	0.032	554-00-7
2,4 DICHLOROPHENOL	1.59	0.211	120-83-2
2,4 DIMETHYL 3 ISOPROPYLPENTANE	427400.00	0.648	13475-79-1
2,4 DIMETHYLHEPTANE	277800.00	0.639	2213-23-2
2,4 DIMETHYLHEXANE	198400.00	0.660	589-43-5
2,4 DIMETHYLOCTANE	326800.00	0.629	4032-94-4
2,4 DIMETHYLPENTANE C7H16	163400.00	0.689	108-08-7
2,4,4' PCB	15.43	0.289	7012-37-5
2,4,4 TRIMETHYLHEPTANE	370400.00	0.635	4032-92-2
2,4,4 TRIMETHYLHEXANE	292400.00	0.654	16747-30-1
2,4,5 TRIMETHYLHEPTANE	370400.00	0.635	20278-84-6
2,4,6 PCB	37.04	0.329	35693-92-6
2,4,6 TRIMETHYLHEPTANE	308600.00	0.622	2613-61-8
2,4-D, ISOPROPYL ESTER*	21.00	0.316	94-11-1
2,4-DICHLOROPHENOXYACETIC ACID, 2-BUTOXY	0.57	0.072	1320-18-9
2,4-DIMETHYLPYRIDINE	0.37	0.111	108-47-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2,4-PENTANEDIONE	0.13	0.062	123-54-6
2,5 DIMETHYLHEPTANE	277800.00	0.650	2216-30-0
2,5 DIMETHYLHEXANE	185200.00	0.654	592-13-2
2,5 DIMETHYLOCTANE	347200.00	0.635	
2,5 DIMETHYLTETRAHYDROFURAN	9.75	0.389	1003-38-9
2,5 HEXANEDIOL DINITRATE	1.74	0.178	
2,5 PCB	21.37	0.313	34883-39-1
2,5,5 TRIMETHYLHEPTANE	370400.00	0.634	
2,5-DIHYDROFURAN	0.13	0.072	1708-29-8
2,5-DIMETHYLPYRIDINE	0.46	0.131	589-93-5
2,6 DICHLOROPHENOL	0.27	0.071	87-65-0
2,6 DIMETHYLHEPTANE	264500.00	0.644	1072-05-5
2,6 DIMETHYLNAPHTHALENE	66.93	0.413	581-42-0
2,6 DIMETHYLOCTANE	347200.00	0.635	2051-30-1
2,6-DIMETHYL 2,5-HEPTADIEN 4-ONE	24.28	0.381	504-20-1
2,6-DIMETHYLANILINE	0.11	0.038	87-62-7
2,6-DIMETHYLPHENOL	0.37	0.106	576-26-1
2,6-DIMETHYLPYRIDINE	0.58	0.158	108-48-5
2,7 DICHLORODIBENZO[B,E][1,4] DIOXIN	3.27	0.203	33857-26-0
2,7 DIMETHYLOCTANE	326800.00	0.629	1072-16-8
2-AMINO-3-CHLORO-5-PHENYLCYCLOHEXANONE	0.22	0.042	
2-CHLORO 2-METHYLBUTANE	1417.00	0.719	594-36-5
2-CHLORO-N-(2-CHLOROETHYL)-N-METHYLETHAN	61.90	0.584	51-75-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
2-ETHYL 3-METHOXYPYRAZINE	0.82	0.168	25680-58-4
2-ETHYL HEXANAL	63.40	0.457	123-05-7
2-ETHYLHEXANOL	3.43	0.276	104-76-7
2-ETHYLHEXYL ACRYLATE	24.10	0.336	103-11-7
2-ETHYLHEXYL-2,4-DICHLOROPHENOXYACETATE	1.41	0.129	1928-43-4
2-ETHYLPYRAZINE	0.14	0.060	13925-00-3
2-ETHYLPYRIDINE	0.91	0.201	100-71-0
2-FLUOROPROPANE	941.60	0.774	420-26-8
2-ISOBUTYL 3-METHOXYPYRAZINE	4.27	0.268	24683-00-9
2-ISOBUTYLPYRAZINE*	0.28	0.080	
2-METHYL PENTANE C6H14	45780.00	0.602	107-83-5
2-METHYLPYRAZINE	0.12	0.063	109-08-0
2-PENTANOL (SEC-PENTANOL)	0.82	0.212	6032-29-7
2-PICOLINE (ALPHA PICOLINE)	0.55	0.169	109-06-8
3 BROMO 1 PROPENE (ALLYL BROMIDE)	326.80	0.730	
3 CHLOROANILINE	933.30	0.733	108-42-9
3 CHLOROBENZYL ALCOHOL	0.16	0.053	873-63-2
3 CHLOROPENTANE	1462.00	0.745	616-20-6
3 CHLOROPHENOL	0.18	0.062	108-43-0
3 ETHYL 2 METHYLHEPTANE	370400.00	0.635	14676-29-0
3 ETHYL 2 METHYLHEXANE	292400.00	0.650	16789-46-1
3 ETHYL 2 METHYLPENTANE	213700.00	0.666	609-26-7
3 ETHYL 2,2 DIMETHYLHEXANE	396800.00	0.714	20291-91-2
3 ETHYL 2,2 DIMETHYLPENTANE	308600.00	0.658	16747-32-3

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
3 ETHYL 2,2,3 TRIMETHYLPENTANE	555600.00	0.674	52897-17-3
3 ETHYL 2,2,4 TRIMETHYLPENTANE	427400.00	0.658	52897-18-4
3 ETHYL 2,3 DIMETHYLHEXANE	427300.00	0.655	52897-00-4
3 ETHYL 2,3 DIMETHYLPENTANE	370400.00	0.664	
3 ETHYL 2,3,4 TRIMETHYLPENTANE	505100.00	0.667	52897-19-5
3 ETHYL 2,4 DIMETHYLHEXANE	396800.00	0.871	7220-26-0
3 ETHYL 2,4 DIMETHYLPENTANE	308600.00	0.646	1068-87-7
3 ETHYL 2,5 DIMETHYLHEXANE	370400.00	0.642	52897-04-8
3 ETHYL 3 METHYLHEPTANE	396800.00	0.649	17302-01-1
3 ETHYL 3 METHYLHEXANE	326800.00	0.663	
3 ETHYL 3,4 DIMETHYLHEXANE	427300.00	0.649	52897-06-0
3 ETHYL 4 METHYLHEPTANE	396800.00	0.648	52896-91-0
3 ETHYL 4 METHYLHEXANE	308600.00	0.645	3074-77-9
3 ETHYLHEPTANE	292400.00	0.702	15869-80-4
3 ETHYLHEXANE	213700.00	0.651	619-99-8
3 ETHYLOCTANE	347200.00	0.627	5881-17-4
3 ETHYLTHIOPHENE	51.00	0.490	52006-63-0
3 ISOPROPYL 2 METHYLHEXANE	505000.00	0.673	
3 METHYL 1 BUTENE	29240.00	0.709	563-45-1
3 METHYL 2 NITROPHENOL	0.22	0.061	4920-77-8
3 METHYL PYRIDINE (3 PICOLINE)	0.43	0.135	108-99-6
3 METHYLHEPTANE C8H18	205800.00	0.664	589-81-1
3 METHYLHEXANE C7H16	169200.00	0.746	589-34-4
3 METHYLNONANE	326800.00	0.696	1465084
3 METHYLOCTANE	277800.00	0.646	2216-33-3

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
3 METHYLTHIOPHENE	398.30	0.699	
3 NITROTOLUENE	0.52	0.128	99-08-1
3 PENTANONE	4.29	0.383	96-22-0
3 PENTYL NITRATE	150.10	0.619	82944-59-32
3,3 DIETHYL 2 METHYLPENTANE	505100.00	0.673	52897-16-2
3,3 DIETHYLHEXANE	427300.00	3.016	17302-02-2
3,3 DIETHYLPENTANE	370400.00	0.761	1067-20-5
3,3 DIMETHYLHEPTANE	292400.00	0.651	4032-86-4
3,3 DIMETHYLHEXANE	213700.00	0.675	563-16-6
3,3 DIMETHYLPENTANE C7H16	101000.00	0.660	562-49-2
3,3' PCB	13.23	0.292	2050-67-1
3,3,4 TRIMETHYLHEPTANE	427300.00	0.646	
3,3,4 TRIMETHYLHEXANE	326800.00	0.662	16747-31-2
3,3',4,4' PCB	5.05	0.223	32598-13-3
3,3,4,4 TETRAMETHYLHEXANE	555600.00	0.682	5171-84-6
3,3,5 TRIMETHYLHEPTANE	396800.00	0.647	7154-80-5
3,4 DIETHYLHEXANE	396800.00	0.651	19398-77-7
3,4 DIMETHYLHEPTANE	308600.00	0.644	922-28-1
3,4 DIMETHYLHEXANE	231500.00	0.658	583-48-2
3,4 DIMETHYLOCTANE	370400.00	0.642	
3,4' PCB	11.57	0.285	2974-92-7
3,4,4 TRIMETHYLHEPTANE	427300.00	0.692	20278-88-0
3,4,5 TRIMETHYLHEPTANE	396800.00	0.694	20278-87-9
3,4-DIMETHYLPYRIDINE	0.21	0.072	583-58-4
3,4-DINITROTOLUENE	0.54	0.101	610-39-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
3,5 DIMETHYLHEPTANE	277800.00	0.644	926-82-9
3,5 DIMETHYLOCTANE	347200.00	0.625	15869-93-9
3,5-DIBROMO-4-HYDROXYBENZONITRILE	0.22	0.039	1689-84-5
3,5-DIMETHYLPYRIDINE	0.40	0.118	591-22-0
3,6 DIMETHYLOCTANE	347200.00	0.635	15869-94-0
3-CHLORO-2-METHYLPROPENE	123.90	0.664	563-47-3
3-CHLOROPHTHALIC ANHYDRIDE	0.20	0.052	117-21-5
3-ETHYLPENTANE	142400.00	0.662	617-78-7
3-ETHYLPRYIDINE	0.58	0.151	
3-HEXANOL	2.78	0.314	623-37-0
3-METHYLINDOLE SKATOLE	0.12	0.040	83-34-1
3-PENTEN-2-OL	2.26	0.309	1569-50-2
4 (1 METHYLPROPYL) 2 NITROPHENOL	2.32	0.217	3555-18-8
4 BROMOTOLUENE (P)	129.20	0.582	106-38-7
4 CHLORO 2 NITROPHENOL	0.70	0.127	89-64-5
4 CHLORO 5 METHYL 2 NITROPHENOL	1.54	0.164	7147-89-9
4 CHLOROBENZYL ALCOHOL	0.16	0.053	873-76-7
4 CHLOROBIPHENYL	522.20	0.566	2051-62-9
4 ETHYL 2 METHYLHEPTANE	347200.00	0.708	52896-88-5
4 ETHYL 2 METHYLHEXANE	264500.00	0.641	3074-75-7
4 ETHYL 2,2 DIMETHYLHEXANE	347200.00	0.634	52896-99-8
4 ETHYL 2,3 DIMETHYLHEXANE	396800.00	3.274	52897-01-5
4 ETHYL 2,4 DIMETHYLHEXANE	427300.00	0.651	52897-03-7

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
4 ETHYL 3 METHYLHEPTANE	396800.00	0.640	52896-89-6
4 ETHYL 3,3 DIMETHYLHEXANE	427300.00	0.649	52897-05-9
4 ETHYL 4 METHYLHEPTANE	396800.00	0.651	17302-04-4
4 ETHYLHEPTANE	292400.00	0.640	2216-32-2
4 ETHYLOCTANE	347200.00	0.683	15869-86-0
4 ISOPROPYLHEPTANE	370400.00	0.643	52896-87-4
4 METHOXY 2 NITROPHENOL	2.42	0.250	1568-70-3
4 METHYL 1 PENTENE	34720.00	0.652	691-37-2
4 METHYL 2 NITROPHENOL	0.90	0.163	119-33-5
4 METHYL 2 PENTANOL	2.53	0.302	108-11-2
4 METHYLHEPTANE	205800.00	0.664	589-53-7
4 METHYLNONANE	326800.00	0.620	17301-94-9
4 METHYLOCTANE C9H20	555600.00	0.676	2216-34-4
4 NITROTOLUENE (-P)	0.31	0.090	99-99-0
4 PROPYLHEPTANE	326800.00	0.630	3178-29-8
4,4 DIMETHYLHEPTANE	292400.00	0.641	1068-19-5
4,4 DIMETHYLHEXANE	370400.00	0.709	28777-67-5
4,5 DIMETHYLOCTANE	370400.00	0.631	
4-CHLORO-5- PHENOXYDIMETHYL PHTHALATE	8889.00	0.479	
4-ETHYLPYRIDINE	0.46	0.130	536-75-4
4-METHYLPYRIDINE	0.33	0.113	108-89-4
5 ETHYL 2 METHYLHEPTANE	347200.00	0.627	
5 FLUORO 2 NITROPHENOL	1.09	0.179	446-36-6
5 METHOXY 2 PENTANONE	0.10	0.038	17429-04-8
5 METHYL 2 NITROPHENOL	0.82	0.155	700-38-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
5 METHYLNONANE	326800.00	0.631	15869-85-9
5-METHYLCHRYSENE	0.31	0.050	3697-24-3
8 METHYL 1-DECENE	1389.00	0.597	61142-79-8
ACENAPHTHENE	8.08	0.314	83-32-9
ACENAPHTHYLENE	6.33	0.295	208-96-8
ACETALDEHYDE	5.55	0.484	75-07-0
ACETONITRILE	1.05	0.347	75-05-8
ACETOPHENONE	0.51	0.135	98-86-2
ACETYL CHLORIDE	13.89	0.550	75-36-5
ACETYL DIETHYLMALONATE	1.08	0.163	570-08-1
ACETYL KETENE, DIKETENE	0.16	0.078	674-82-8
ACETYLAMINOFLUORENE,2-	3.70	0.220	53-96-3
ACETYLFURAN 2*	0.54	0.165	1192-62-7
ACETYLPYRIDINE 3	16830.00	0.659	1122-54-9
ACIFLUORFEN	14.22	0.269	50594-66-6
ACRYLAMIDE, N-(HYDROXYMETHYL)-	24.11	0.437	924-42-5
ACRYLONITRILE	7.61	0.437	107-13-1
ADAMANTANE DICHLORIDE	57.78	0.421	
ALDRIN	27.20	0.301	309-00-2
ALKYLIMINE CARBOXYLIC ACID N,SUB	0.56	0.084	
ALLYL CHLORIDE (3-CHLORO-1-PROPENE)	501.30	0.721	107-05-1
ALLYL ETHER, DIALLYL ETHER	96.67	0.552	557-40-4
ALLYL MERCAPTAN	123.30	0.645	870-23-5
ALLYLAMINE	1.01	0.294	107-11-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
ALPHA METHYL STYRENE	211.10	0.612	98-83-9
ALPHA METHYL STYRENE DIMERS	655.50	0.507	
ALPHA-CHLORO-BETA-METHYLNAPHTHALENE	490.60	0.526	5859-45-0
ALPHA-HYDROXYADIPIMIDE	0.90	0.152	
AMINO-2-CHLOROTOLUENE 4	388.90	0.618	95-74-9
AMINO-4-NITROBENZYL ALCOHOL 2	0.34	0.085	
AMINO-4-NITROTOLUENE 2	422.80	0.673	99-55-8
AMINO-5-CHLOROPYRIDINE 2	14.28	0.432	1072-98-6
AMINOBENZOIC ACID (-P)	0.22	0.002	150-13-0
AMINOCYCLOHEXANE	0.59	0.162	108-91-8
AMINO-P'-METHYLAZOBENZENE P	588.90	0.532	
AMINOPROPIONITRILE 3	0.51	0.213	151-18-8
AMMONIA*	3.38	0.594	7664-41-7
AMPHETAMINE	7.50	0.339	300-62-9
AMYL MERCAPTAN	140.60	0.585	110-66-7
ANETHOLE	26.00	0.365	104-46-1
ANTHRACENE	4.18	0.272	120-12-7
ARSINE [ASH3]	6195.00	0.692	7784-42-1
AZEPINE*	462.80	0.669	
AZIRIDINE ETHYLENE IMINE	0.67	0.291	151-56-4
BENEFIN	16.17	0.274	1861-40-1
BENZAL CHLORIDE	40.50	0.438	98-87-3
BENZALDEHYDE	1.32	0.242	100-52-7
BENZALKONIUM CHLORIDE	0.11	0.026	
BENZENE	308.30	0.650	71-43-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
BENZETHONIUM CHLORIDE	1.24	0.123	121-54-0
BENZIDINE DIHYDROCHLORIDE	588900.00	0.774	531-85-1
BENZO(A)ANTHRACENE	0.67	0.137	56-55-3
BENZODIOXANE-1,3	0.26	0.074	254-27-3
BENZOFURAN 2,3	6.44	0.346	271-89-6
BENZONITRILE	2.86	0.332	100-47-0
BENZOPHENONE	506.10	0.550	119-61-9
BENZOTHIAZOLONE 2(2H)-*	3.51	0.271	934-34-9
BENZOTHIOPHENE	15.89	0.375	11095-43-5
BENZOTRICHLORIDE	17.16	0.361	98-07-7
BENZOYL CHLORIDE	4.55	0.347	98-88-4
BENZYL CHLORIDE	19.36	0.425	100-44-7
BENZYL MERCAPTAN	12.11	0.367	100-53-8
BENZYL METHYL ETHER	5.49	0.345	538-86-3
BHC,ALPHA-	0.68	0.091	319-84-6
BICYCLO(4,2,0) OCTA 1.3.5 TRIENE	258.30	0.629	694-87-1
BICYCLO[2.2.1]-2,5-HEPTADIENE DICHLORIDE	4389.00	0.637	
BIPHENYL	22.57	0.363	92-52-4
BIS(1,1,2,2-TETRACHLOROPROPYL) ETHER	2417000.00	1.033	
BIS(2-CHLOROISOPROPYL)ETHER	6.11	0.313	108-60-1
BIS(2-ETHYLHEXYL)PHTHALATE	0.81	0.135	117-81-7
BIS(CHLOROMETHYL)ETHER	11.83	0.546	542-88-1
BIS(TRI-N-BUTYLTIN) OXIDE*	8296000.00	0.863	56-35-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
BROMACIL*	29.56	0.317	314-40-9
BROMO-3-CHLOROBUTADIENE 2	469.40	0.666	
BROMO-4-CHLORO-6-CYANOBENZYL ALCOHOL 2	1.05	0.138	
BROMO-4-CHLOROCYCLOHEXANE 1	5544.00	0.637	
BROMO-4-CYANOMETHYL BENZOATE 2	6667.00	0.597	
BROMO-4-CYANOMETHYL BENZOATE 3	1339.00	0.654	
BROMOACETONE	0.32	0.105	598-31-2
BROMOBENZENE	118.20	0.545	108-86-1
BROMOBENZYL ALCOHOL -(M)	0.21	0.046	15852-73-0
BROMOBENZYL ALCOHOL -(O)	0.21	0.046	18982-54-2
BROMOBENZYL ALCOHOL -(P)	0.21	0.046	873-75-6
BROMOCHLOROBENZYL ALCOHOL	0.46	0.081	
BROMOCHLORODIFLUOROMETHANE	7710.00	0.653	353-59-3
BROMOCHLOROMETHANE	81.67	0.683	74-97-5
BROMODICHLOROMETHANE	88.02	0.591	75-27-4
BROMOETHANE	427.30	0.778	74-96-4
BROMOETHYL ACETATE	23.22	0.500	927-68-4
BROMOETHYLENE (VINYL BROMIDE)	1665.00	0.748	593-60-2
BROMOFORM (TRIBROMOMETHANE)	32.68	0.425	75-25-2
BROMOMETHANE	407.80	0.759	74-83-9
BROMOPHENYL PHENYL ETHER,4-	6.50	0.269	101-55-3
BROMOPROPIONITRILE 3	1.12	0.241	2417-90-5
BROMOTRIFLUOROMETHANE	27780.00	0.682	75-63-8
BROMOURACIL,5-*	2.16	0.297	51-20-7
BROMOXYNIL OCTANOATE	1.77	0.138	1689-99-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
BUTADIENE-(1,3)	2746.00	0.714	106-99-0
BUTADIYNE (BIACETYLENE)	292.40	0.760	460-12-8
BUTANAL (BUTYRALDEHYDE)	5.78	0.427	123-72-8
BUTANE	46300.00	0.767	106-97-8
BUTANENITRILE (BUTYRONITRILE)	3.57	0.399	109-74-0
BUTYL ACRYLATE	27.16	0.437	141-32-2
BUTYL BENZENE	731.00	0.593	104-51-8
BUTYL DODECANOATE (BUTYL LAURATE)	77.16	0.368	106-18-3
BUTYL ETHANOATE (N-BUTYL ACETATE)	15.87	0.430	123-86-4
BUTYL MERCAPTAN	505.00	0.715	109-79-5
BUTYLAMINE	0.97	0.239	109-73-9
BUTYLATE*	0.44	0.070	2008-41-5
BUTYLBUTOXY PROPIONATE	1.27	0.140	
BUTYLISOBUTYRATE	15.39	0.459	97-87-0
C 2,4 PENTANEDIOL DINITRATE	2.53	0.226	
CAMPHENE	75.56	0.443	79-92-5
CAPROLACTONE	3.41	0.319	502-44-3
CARBON TETRACHLORIDE	1634.00	0.695	56-23-5
CARBONIC CHLORIDE FLUORIDE	5.56	0.405	
CARBONYL FLUORIDE*	2.78	0.363	303-50-4
CARBONYL SULFIDE*	2525.00	0.901	463-58-1
CHLORACETOPHENONE,2-	0.19	0.048	532-27-4
CHLORAL	0.18	0.059	302-17-0
CHLORAMIDE*	0.59	0.243	10599-90-3

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
CHLORDANE	4.60	0.214	57-74-9
CHLORENDIC ANHYDRIDE	1.15	0.111	115-27-5
CHLORO 2 BUTENE,1 TRANS	104.40	0.647	591-97-9
CHLORO 2 PROPANONE	0.94	0.281	
CHLORO(-P)PHENYLHYDRAZINE	15.78	0.428	1073-69-4
CHLORO-1,3-CYCLOPENTADIENE 5	2778.00	0.755	41851-50-7
CHLORO-2,2-DIBROMOETHANE 1	43.50	0.543	
CHLORO-2-METHOXYBENZOIC ACID 4	207.80	0.613	57479-70-6
CHLORO-2-NITROBENZYL ALCOHOL 4	0.21	0.050	22996-18-5
CHLORO-3-NITRO-5-PHENYLCYCLOHEXANE 2	0.23	0.053	
CHLORO-3-NITROANILINE 4	9.61	0.372	635-22-3
CHLORO-4AMINOCOUMARAN-6CARBOXYLIC ACID 2	588900.00	0.768	
CHLORO-4-CYANOBENZYL ALCOHOL 2	0.34	0.092	
CHLORO-4-HYDROXYBIPHENYL 3	29940.00	0.439	92-04-6
CHLORO-4-METHOXY-6-AMINOBENZOIC ACID 2	22.22	0.376	
CHLORO-4-METHYL-N-METHYLBENZAMIDE 3	0.51	0.102	
CHLORO-4-NITROANISOLE 2	0.10	0.022	4920-79-0
CHLORO-4-PHENYLPYRIDINE 2	0.53	0.097	
CHLORO-5AMINO3PYRIDINE CARB.ACID AMIDE 2	20.33	0.385	
CHLORO-5-CYANOPHTHALIC ACID 4	588900.00	0.778	
CHLORO-5-CYANOTOLUENE 3	83.89	0.522	
CHLORO-5-FLUOROTOLUENE 3	16.05	0.383	443-83-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
CHLOROACETALDEHYDE	1.44	0.346	107-20-0
CHLOROALLYL ALCOHOL 2	1.02	0.257	5976-47-6
CHLOROAZOBENZENE	600.00	0.557	
CHLOROBENZENE	209.00	0.512	108-90-7
CHLOROBENZENESULFONIC ACID (-P)*	0.49	0.104	100-03-8
CHLOROBENZOTRICHLORIDE P	6389.00	0.522	5216-25-1
CHLOROBENZOTRIFLUORIDE, P	11770.00	0.481	98-56-6
CHLOROBUTADIENE,1	2974.00	0.705	
CHLOROCOUMARAN 2	501.70	0.639	2051-59-4
CHLOROCROTYL ESTER OF 2,4-D	0.25	0.038	2971-38-2
CHLOROCYANOBENZENE (1,4)	955500.00	0.833	873-32-5
CHLOROCYCLOHEXANE	822200.00	0.746	542-18-7
CHLOROCYCLOHEXANOL 2	14.94	0.458	1561-86-0
CHLOROCYCLOHEXANOL 4	75.00	0.611	
CHLORODIACETYL	0.24	0.109	5559-62-6
CHLORODIFLUOROMETHANE (R22)	1501.00	0.789	75-45-6
CHLORODIFLUORONITROOXYMETHANE	19.16	0.422	
CHLORODIMETHYL PHTHALATE 3	6389.00	0.618	
CHLORODIPHENYL THIOETHER P	566.70	0.640	
CHLOROETHANE (ETHYL CHLORIDE)	624.20	0.796	75-00-3
CHLOROETHYLENE (VINYL CHLORIDE)	1227.00	0.882	75-01-4
CHLOROFLUOROBENZENE P	9055000.00	1.413	352-33-0
CHLOROFLUOROMETHANE* (R31)	370.40	0.801	593-70-4
CHLOROFORM	267.70	0.700	67-66-3

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
CHLOROHYDROXYPHENYL4 METHYL BENZOIC ACID	588900.00	0.781	
CHLOROIODOMETHANE	62.42	0.645	593-71-5
CHLOROMETHANE (METHYLCHLORIDE)	555.00	0.726	74-87-3
CHLOROMETHYL ACETYLENE	55.56	0.658	624-65-7
CHLOROMETHYL BENZOATE P	4739.00	0.654	1126-46-1
CHLOROMETHYL ETHYL KETONE	147.80	0.744	616-27-3
CHLOROMETHYL METHYL ETHER	4.79	0.492	107-30-2
CHLOROMETHYL PHENYLHYDRAZINE P	17.44	0.395	
CHLOROMETHYLAMINOIMINE	588900.00	0.713	
CHLORONITROALKOXYIMINE	1.28	0.156	
CHLORONITROBENZENE(-O)	437.80	0.676	88-73-3
CHLORONITROBENZENE, P	1.64	0.223	100-00-5
CHLOROPENTAFLUOROETHANE	310000.00	0.776	76-15-3
CHLOROPENTAFLUOROETHANE R115	146200.00	0.622	
CHLOROPHENYL PHENYL ETHER,4-	12.24	0.318	7005-72-3
CHLOROPHTHALIC ANHYDRIDE 4	0.20	0.052	
CHLORO-P'-METHYLBIPHENYL P	561.10	0.567	1667-11-4
CHLOROPRENE	2974.00	0.848	126-99-8
CHLOROPROPANE-1	603.90	0.799	540-54-5
CHLOROPROPANE-2	805.10	0.754	75-29-6
CHLOROPROPIONITRILE,3-	0.36	0.158	542-76-7
CHLOROPROPYLENE-2	388.60	0.744	557-98-2
CHLORO-P-XYLENE	78.33	0.547	104-82-5
CHLOROPYRIDINE 2	82.78	0.588	109-09-1
CHLOROSTYRENE (-4)	385.00	0.612	1331-28-8

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
CHLOROTETRAHYDROFURAN 3	16.83	0.419	
CHLOROTHANONIL	0.11	0.020	1897-45-6
CHLOROTHIOPHENOL P	21.30	0.404	106-54-7
CHLOROTOLUENE-4	258.90	0.588	106-43-4
CHLOROTRIFLUOROMETHANE (R13)	62420.00	0.660	75-72-9
CHLOROTRIMETHYLSILANE	2807.00	0.683	75-77-4
CHLOROURACIL,5-	12.78	0.378	1820-81-1
CHLORPYRIFOS*	0.16	0.028	2921-88-2
CHRYSENE	2.60	0.206	218-01-9
CIS 1,2 CYCLOHEXANEDIOL DINITRATE	0.43	0.074	
CIS 1,2 DIMETHYLCYCLOHEXANE	19840.00	0.536	112134
CIS 1,3 CYCLOHEXANEDIOL DINITRATE	0.43	0.074	
CIS 1,3 DICHLOROPROPENE	132.30	0.625	10061-01-5
CIS 2 BUTENE	12920.00	0.741	107-01-7
COBALT ACETATE	0.34	0.084	71-48-7
COPPER PHTHALOCYANINE	320.00	0.429	147-14-8
COUMARAN	8.61	0.374	496-16-2
CROTONYLENE (2-BUTYNE)	375600.00	0.753	503-17-3
CROTYL MERCAPTAN	144.40	0.626	
CUMENE (ISOPROPYLBENZENE)	723.00	0.638	98-82-8
CYANIDE RADICAL (CN)*	694.40	0.868	
CYANIDEION	3.30	0.469	57-12-5
CYANOBENZYL ALCOHOL P*	0.13	0.044	
CYANOGEN	555.10	0.795	460-19-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
CYANOGEN BROMIDE*	25.83	0.547	506-68-3
CYANOGEN CHLORIDE	92.12	0.716	506-77-4
CYANOMETHYLPHTHALATE 4	10740.00	0.475	
CYANOTOLUENE 4	3.17	0.282	104-85-8
CYCLOHEPTANE	5556.00	0.640	291-64-5
CYCLOHEXANE	9777.00	0.648	110-82-7
CYCLOHEXANOL	0.33	0.169	108-93-0
CYCLOHEXANONE	1.24	0.256	108-94-1
CYCLOHEXENE	2525.00	0.709	110-83-8
CYCLOHEXENE 1 ONE, 2	0.60	0.172	930-68-7
CYCLOHEXYL ACETATE	3.95	0.289	622-45-7
CYCLOHEXYL-2,2-DIPHENYLETHYLAMINE 2	14.28	0.297	
CYCLOHEXYLCYCLOHEXANONE 4	223.30	0.486	56025-96-8
CYCLOOCTANE	5787.00	0.604	292-64-8
CYCLOPENTADIENE	1122.00	0.757	542-92-7
CYCLOPENTANE	10100.00	0.702	287-92-3
CYCLOPENTENE	3472.00	0.702	142-29-0
CYCLOPHOSPHAMIDE	10740.00	0.837	50-18-0
CYCLOPROPANE C3H6	5050.00	0.803	75-19-4
CYCLOPROPANECARBONITRILE	0.71	0.227	5500-21-0
CYMENE,PARA	427.30	0.571	99-87-6
CYTOSINE*	0.32	0.172	71-30-7
DACTHAL	0.12	0.020	1861-32-1
DAUNOMYCIN	611.10	0.556	20830-81-3
DDD,P,P'-	0.37	0.058	72-54-8

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
DDE,P,P'-	67.72	0.371	72-55-9
DDT	0.46	0.064	50-29-3
DECAHYDRONAPHTHALENE (DECALIN)	7610.00	0.534	91-17-8
DECANAL	91.07	0.457	112-31-2
DECANE (C10 LINEAR)	260700.00	0.609	124-18-5
DECANOL	2.91	0.242	112-30-1
DIACETYL	4.78	0.500	431-03-8
DIALLATE	1306.00	0.547	2303-16-4
DIAMINO-5-SULFONYL BENZYL 2,4	10740.00	0.496	
DIAZOMETHANE*	10740.00	0.911	334-88-3
DIBENZOFURANS*	13.00	0.292	132-64-9
DIBROMO-3-CHLOROPROPANE,1,2	13.78	0.404	96-12-8
DIBROMOCHLOROMETHANE	63.86	0.748	124-48-1
DIBROMOMETHANE	49.00	0.521	74-95-3
DIBUTYL ETHER	326.80	0.599	142-96-1
DIBUTYLAMINE	5.05	0.310	111-92-2
DICHLORO-1,3-CYCLOPENTADIENE 5,5	3739.00	0.667	
DICHLORO-2-BUTENE 1,2	116.70	0.626	13602-13-6
DICHLOROAMINE (CHLORIMIDE)*	1.92	0.317	
DICHLOROBENZENE (MIXED)	199.20	0.579	25321-22-6
DICHLOROBENZONITRILE,2,6-	0.35	0.077	1194-65-6
DICHLOROBENZOPHENONE P,P	0.26	0.048	90-98-2
DICHLOROBIPHENYL (PARA)	9.99	0.299	2050-68-2
DICHLOROBUTANE (1,4)	176700.00	0.795	110-56-5
DICHLORODIMETHYLSILANE	3500.00	0.663	75-78-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
DICHLORODIPHENYLMETHANE	661.10	0.557	2051-90-3
DICHLOROETHANE(1,1) ETHYLIDENEDICHLORIDE	312.20	0.641	75-34-3
DICHLOROETHANE(1,2)	65.38	0.569	107-06-2
DICHLOROETHYL ETHER	5.48	0.382	111-44-4
DICHLOROETHYLENE(1,2) CIS	231.50	0.682	156-59-2
DICHLOROFLUOROMETHANE (R21)	600.00	0.769	75-43-4
DICHLOROIODOMETHANE	8.83	0.336	594-04-7
DICHLOROPENTAFLUOROPROPANE	5555000.00	0.799	127564-92-5
DICHLOROPROPANE 1,2	197.90	0.624	78-87-5
DICHLOROPROPYLENE,1,2- (CIS)	335.00	0.686	563-54-2
DICHLOROPROPYLENE,1,2-(TRANS)	884.20	0.726	563-54-2
DICHLOROSTYRENE 2,6	477.80	0.565	28469-92-3
DICHLORO-TRANS-ETHYLENE(1,2)	250.60	0.686	540-59-0
DICHLOROTRIFLUOROETHANE (R123)	1916.00	0.659	306-83-2
DICOFOL	0.74	0.085	115-32-2
DICYCLOPENTADIENE	555.00	0.612	77-73-6
DIELDRIN	2.78	0.179	60-57-1
DIEPOXYBUTANE	0.29	0.112	1464-53-5
DIETHOXYMETHANE	8.08	0.429	462-95-3
DIETHYL (N,N) ANILINE	10.55	0.314	91-66-7
DIETHYL AMINE	3.33	0.382	109-89-7
DIETHYL ETHER ACID CHLORIDE	588900.00	0.869	
DIETHYL SULFATE*	0.34	0.109	64-67-5
DIETHYL THIOETHER	115.00	0.619	352-93-2
DIETHYLBENZENE P	372.80	0.560	105-05-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
DIETHYLDIISOCYANATOBENZENE	16.67	0.435	134190-37-7
DIETHYLDIPHENYL UREA SYM	744.40	0.538	85-98-3
DIETHYLUREA 1,1*	0.32	0.098	634-95-7
DIFLUROMETHANE	638.60	0.792	75-10-5
DIHYDRO-5-OXAZALONE (DIHYDROAZLACTONE)	400.00	0.609	
DIHYDROSAFROLE*	4.52	0.269	94-58-6
DIIODOMETHANE	24.15	0.444	75-11-6
DIISOBUTYLENE	4056.00	0.597	107-39-1
DIISODECYL PHTHALATE	0.14	0.021	26761-40-32
DIISOPROPYL BENZENE (PARA)	5944.00	0.529	100-18-5
DIISOPROPYL CARBAMATE*	1614000.00	0.774	2303-17-5
DIISOPROPYL KETONE	38.06	0.481	565-80-0
DIISOPROPYLAMINE	2.92	0.306	108-18-9
DIMETHOXY METHANE	9.58	0.488	109-87-5
DIMETHYL AMINE	2.97	0.485	124-40-3
DIMETHYL BENZ(A)ANT 7,12	0.46	0.072	
DIMETHYL DISULFIDE	61.10	0.496	624-92-0
DIMETHYL HYDRAZINE(1,1)	0.55	0.202	57-14-7
DIMETHYL NITROISOPROPYLAMINE N,N	14.78	0.363	
DIMETHYL SULFATE*	0.22	0.079	77-78-1
DIMETHYL SULFIDE (DMS)	115.70	0.684	75-18-3
DIMETHYL TRISULFIDE	168500.00	0.370	3658-80-8
DIMETHYL-1-NITROBENZENE 2,4	420.00	0.637	25168-04-1
DIMETHYLANILINE N,N	4.25	0.536	121-69-7

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
DIMETHYLETHYLAMINE	0.92	0.241	75-64-9
DIMETHYLPHENYLCARBINOL	1.49	0.213	617-94-7
DIMETHYLPROPANE NEOPENTANE	116300.00	0.718	463-82-1
DINITROBENZENE M	1.22	0.201	99-65-0
DINITROTOLUENE (MIXED)	0.23	0.056	25321-14-6
DI-N-OCTYL PHTHALATE	0.14	0.022	117-84-0
DIOXIN	0.55	0.148	1746-01-6
DIPHENYL ETHER	15.50	0.334	101-84-8
DIPHENYL THIOETHER	12.60	0.319	139-66-2
DIPHENYLAMINE	0.19	0.057	122-39-4
DIPHENYLBUTADIENE 1,3	114.40	0.425	886-65-7
DIPHENYLCHLOROMETHANE	561.10	0.546	90-99-3
DIPHENYLDIKETONE	583.30	0.602	134-81-6
DIPHENYLETHANE 1,1	50.55	0.391	612-00-0
DIPHENYLETHANOL 1,1	0.11	0.023	599-67-7
DIPHENYLHYDRAZINE,1,1-	188.90	0.520	530-50-7
DIPHENYLMETHANE	2.02	0.216	101-81-5
DIPHENYLNITROSAMINE*	41.40	0.402	86-30-6
DIPROPYLAMINE	2.83	0.286	142-84-7
DIPROPYLBUTRAL	4.96	0.282	
DIPROPYLFORMAMIDE	588.90	0.603	6282-00-4
DISULFOTON*	0.12	0.021	298-04-4
DI-TERT-BUTYL-P-CRESOL	0.23	0.041	128-37-0
DIVINYL KETONE	24.33	0.436	
D-LIMONENE	1428.00	0.608	5989-27-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
DODECACHLOROPENTACYCLODECANE	45.05	0.284	2385-85-5
DODECANE (C12 LINEAR)	396800.00	0.661	112-40-3
DODECANOIC ACID (LAURIC ACID)	0.52	0.080	143-07-7
EICOSCANE (C20 LINEAR)	17.92	0.290	112-95-8
ENDOSULFAN	1.06	0.111	115-29-7
ENDRIN ALDEHYDE*	0.48	0.063	7421-93-4
EPOXYBUTANE 1,2	13.58	0.505	106-88-7
EPTAM (EPTC)	0.74	0.134	759-94-4
ETHALFLURALIN	3.58	0.012	55283-68-6
ETHANE	26650.00	0.845	74-84-0
ETHANE, 1,1,2,2-TETRACHLORO-1-FLUORO-	18740.00	0.544	354-14-3
ETHANE, 1,2-DICHLORO-1,1,2-TRIFLUORO-	121200.00	0.590	354-23-4
ETHANE, 1-CHLORO-1,1,2,2-TETRAFLUORO-	44030.00	0.584	354-25-6
ETHANE, DICHLOROTRIFLUORO- (9CI)	48050.00	0.598	34077-87-7
ETHANETHIOL (ETHYL MERCAPTAN)	213.70	0.720	75-08-1
ETHANOIC PEROXYACID (PEROXYACETIC ACID)	0.12	0.090	79-21-0
ETHANOL	0.29	0.128	64-17-5
ETHENYLBENZENE (STYRENE)	150.10	0.760	100-42-5
ETHER (DIETHYL ETHER, ETHYL ETHER)	71.22	0.631	60-29-7
ETHYL ACETATE PEROXIDE	166.70	0.524	
ETHYL ACRYLATE	18.93	0.475	140-88-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
ETHYL BUTANOATE (ETHYL BUTYRATE)	19.84	0.448	105-54-4
ETHYL BUTYL KETONE	7.40	0.356	106-35-4
ETHYL CHLOROCARBONATE	6.22	0.406	541-41-3
ETHYL CYANIDE (PROPIONITRILE)	1.85	0.390	107-12-0
ETHYL DODECANOATE	71.22	0.372	106-33-2
ETHYL ETHANOATE (ETHYL ACETATE)	13.58	0.485	141-78-6
ETHYL HEPTANOATE	27.78	0.386	106-30-9
ETHYL HYDROPEROXIDE	0.16	0.101	3031-74-1
ETHYL ISOPROPYL PEROXIDE	14.44	0.373	
ETHYL METHACRYLATE*	31.80	0.487	97-63-2
ETHYL METHANOATE (ETHYL FORMATE)	15.43	0.560	109-94-4
ETHYL METHYL ETHER	16.10	0.535	540-67-0
ETHYL NITRATE	34.72	0.591	625-58-1
ETHYL PENTANOATE	19.16	0.425	539-82-2
ETHYL PROPYL ETHER	63.86	0.571	628-32-0
ETHYL S,S-DIPHENYL PHOSPHORODITHIOATE O*	8.61	0.263	17109-49-8
ETHYL VINYL ETHER	288.70	0.718	109-92-2
ETHYL-(2)-PROPYL-(3) ACROLEIN*	1.79	0.264	645-62-5
ETHYLAMINE	3.47	0.450	75-04-7
ETHYLBENZENE	437.80	0.647	100-41-4
ETHYLENE (ETHENE)	11470.00	0.842	74-85-1
ETHYLENE GLYCOL DIMETHYL ETHER	0.75	0.211	110-71-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	0.69	0.131	112-07-2
ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	0.15	0.059	110-49-6
ETHYLENE OXIDE	6.57	0.419	75-21-8
ETHYLETHOXY PROPIONATE	0.53	0.134	763-69-9
ETHYNE (ACETYLENE)	1333.00	0.622	74-86-2
FENCHONE,D-	7.61	0.317	4695-62-9
FENPROPATHIN*	0.42	0.058	39515-41-8
FLUORANTHENE	0.49	0.080	206-44-0
FLUORENE	5.32	0.291	86-73-7
FLUOROBENZENE	347.20	0.695	462-06-6
FLUOROETHANE	1263.00	0.815	353-36-6
FLUOROMETHANE*	1068.00	0.855	593-53-3
FLUOROURACIL,5-	103200.00	0.492	51-21-8
FOLPET*	0.19	0.033	133-07-3
FONOFOS*	0.39	0.062	944-22-9
FORMIC ACID	0.62	0.165	64-18-6
FORMIC ACID, HEPTYL ESTER	8.30	0.337	112-23-2
FORMYL FLUORIDE*	18.50	0.651	1493-02-3
FREON 11, TRICHLOROFLUOROMETHANE	5556.00	0.670	75-69-4
FREON 12, DICHLORODIFLUOROMETHANE	22280.00	0.691	75-71-8
FREONS	22280.00	0.615	
FURFURAL	0.12	0.057	98-01-1
GAMMA BHC (LINDANE)	0.29	0.054	58-89-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
GENERIC PEROXIDE WITH CL OR FL	1.85	0.266	
GENERIC PEROXIDE WITH FLUORINE	1.85	0.275	
GEOSMIN	16.67	0.368	23333-91-1
GUANINE	10740.00	0.943	73-40-5
HEPTACHLOR	81.40	0.376	76-44-8
HEPTACHLOR EPOXIDE	24.30	0.312	1024-57-3
HEPTADECANE (C17 LINEAR)	3086.00	0.546	629-78-7
HEPTANAL	16.84	0.417	111-71-7
HEPTANE ISO	241700.00	0.728	31394-54-4
HEPTANE(-N)	50000.00	0.611	142-82-5
HEXACHLOROBENZENE	28.70	0.335	118-74-1
HEXACHLOROBUTADIENE	572.20	0.597	87-68-3
HEXACHLOROCYCLOHEXANE (ALPHA ISOMER)	0.43	0.087	608-73-1
HEXACHLOROCYCLOHEXANE (ALPHA ISOMER)	0.43	0.087	
HEXACHLOROCYCLOPENTADIENE	1494.00	0.586	77-47-4
HEXACHLOROETHANE	461.80	0.478	67-72-1
HEXACHLORONAPTHALENE	4.83	0.213	1335-87-1
HEXADECANE N	12590.00	0.444	544-76-3
HEXAFLUOROACETONE	17200.00	0.755	684-16-2
HEXAFLUOROETHANE	1128000.00	0.783	76-16-4
HEXAFLUOROPROPENE	191600.00	0.782	116-15-4
HEXAMETHYLENE 1,6 DIISOCYANATE*	12590.00	0.686	822-06-0
HEXAMETHYLENIMINE	0.35	0.116	111-49-9

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
HEXANAL	11.34	0.427	66-25-1
HEXANE(-N)	42600.00	0.657	110-54-3
HEXANOL-1	1.03	0.193	111-27-3
HEXAZINONE	64.44	0.359	51235-04-2
HEXEN-2-ONE 5	4.44	0.371	109-49-9
HEXYL ETHANOATE	29.24	0.424	142-92-7
HEXYLAMINE	1.50	0.249	111-26-2
HEXYLBENZENE	1208.00	0.592	1077-16-3
HYDRAZOIC ACID	5.61	0.355	7782-79-8
HYDROCYANIC ACID	7.39	0.542	74-90-8
HYDROGEN SULFIDE	537.80	0.822	2148878
HYDROXY DIMETHYL ETHER	1083.00	0.906	4461-52-3
HYDROXY-1,3-CYCLOPENTADIENE 5	225.00	0.587	
HYDROXY-4-METHYLTETRAHYDROFURAN 3	14.33	0.374	
HYDROXY-5-METHYLDIMETHYL PHTHALATE 4	6278.00	0.527	
HYDROXY6METHYLPYRIDINE3CARBOXYLIC ACID 2	17.00	0.487	38116-61-9
HYDROXYACETONE (ACETOL)	0.43	0.213	116-09-6
HYDROXYCYCLOHEXANONE 4	0.23	0.091	13482-22-9
HYDROXYDIMETHYL PHTHALATE 4	5833.00	0.536	
HYDROXYMETHYL ISOPROPYL KETONE	125.00	0.529	
HYDROXYMETHYL, N-METHYLETHYL AMINE N	24720.00	0.479	
HYDROXYMETHYL-N-CHLOROMETHYLETHYLAMINE N	400.00	0.602	

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
HYDROXYMETHYLPHENYL CARBAMATE N	0.87	0.147	
HYDROXYMETHYLVINYL ETHER	1806.00	0.624	
HYDROXYPENTANE 3	0.87	0.211	584-02-1
IODOBENZENE	74.07	0.463	591-50-4
IODOETHANE	396.80	0.721	75-03-6
ISOAMYL NITRATE	123.50	0.601	110-46-3
ISOBUTANE	63660.00	0.777	75-28-5
ISOBUTYL ETHANOATE(ISOBUTYLACETATE)	24.70	0.477	110-19-0
ISOBUTYLBENZENE	1792.00	0.606	538-93-2
ISOBUTYLENE	11420.00	0.726	115-11-7
ISOBUTYRALDEHYDE	10.00	0.482	78-84-2
ISOCYANO 4 METHYL BENZENE*	0.62	0.137	7175-47-5
ISODECANOL	2.92	0.250	25339-17-7
ISODECYL OCTYL ESTER	133.30	0.400	
ISOHEPTANOL	2.76	0.274	543-49-7
ISOPENTANE	76100.00	0.743	78-78-4
ISOPENTANOL	0.78	0.211	123-51-3
ISOPENTYL ETHANOATE (ISOAMYL ACETATE)	32.68	0.466	123-92-2
ISOPENTYL METHANOATE (ISOAMYL FORMATE)	37.04	0.511	110-45-2
ISOPHORONE	0.28	0.088	78-59-1
ISOPROPYL AMINE	0.80	0.230	75-31-0
ISOPROPYL ETHANOATE (ISOPROPYL ACETATE)	15.44	0.463	108-21-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
ISOPROPYL ETHER (DIISOPROPYL ETHER)	113.40	0.502	108-20-3
ISOPROPYL METHANOATE (ISOPROPYL FORMATE)	42.95	0.596	625-55-8
ISOPROPYL PROPANOATE (ISOPOPYL PROPIONAT	32.68	0.491	637-78-5
LEPTOPHOS (PHOSVEL)	0.15	0.058	21609-90-5
LIMONENE	1233.00	0.596	
MALEIC ANHYDRIDE	0.22	0.090	108-31-6
MELAMINE*	4611.00	0.978	108-78-1
MERPHOS*	2367.00	0.564	150-50-5
MESITYL OXIDE	2.43	0.308	141-79-7
METHANE	35200.00	0.932	74-82-8
METHANETHIOL(METHYL MERCAPTAN)	175.80	0.759	74-93-1
METHANOL	0.40	0.203	67-56-1
METHOXYACETIC ACID	0.10	0.059	625-45-6
METHOXYACETONITRILE	9.89	0.516	1738-36-9
METHOXYBENZENE (ANISOLE)	231.50	0.592	100-66-3
METHOXYCHLOR	0.56	0.070	72-43-5
METHYL 2-PROPYL ETHER	46.30	0.571	598-53-8
METHYL ACRYLATE	13.58	0.386	96-33-3
METHYL ACRYLONITRILE*	12.30	0.480	126-98-7
METHYL AMINE	2.30	0.496	74-89-5
METHYL AMINOACETYLENE	7500.00	0.571	
METHYL BENZOATE	1.77	0.243	93-58-3
METHYL BENZYL ALCOHOL 4	0.77	0.168	589-18-4

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
METHYL BIPHENYL (-P)	467.80	0.563	644-08-6
METHYL BUTANOATE	11.57	0.451	623-42-7
METHYL CHLOROACETAMIDE N	0.60	0.165	96-30-0
METHYL CHLOROCARBONATE	456.40	0.818	79-22-1
METHYL CHOLANTHRENE 3	7.44	0.252	56-49-5
METHYL COUMARAN 2	445.00	0.653	607-71-6
METHYL DECANOATE	39.68	0.361	110-42-9
METHYL DOCOSANOATE (METHYL BEHENATE)	925.90	0.516	929-77-1
METHYL DODECANOATE	66.14	0.373	111-82-0
METHYL EICOSANOATE (METHYL ARACHIDATE)	555.50	0.501	1120-28-1
METHYL ERUCATE	104.80	0.362	1120-34-9
METHYL ETHANOATE (METHYL ACETATE)	5.04	0.457	79-20-9
METHYL ETHER DIMETHYL ETHER	424.00	0.859	115-10-6
METHYL HEXADECANOATE	185.20	0.412	112-39-0
METHYL HEXANOATE	20.58	0.423	106-70-7
METHYL HYDRAZINE	0.17	0.119	60-34-4
METHYL HYDROPEROXIDE	0.18	0.129	3031-73-0
METHYL IODIDE	298.80	0.686	74-88-4
METHYL ISOAMYL KETONE	99.39	0.594	110-12-3
METHYL ISOBUTYL KETONE (MIBK)	25.25	0.500	108-10-1
METHYL ISOPROPYL KETONE	25.44	0.543	563-80-4
METHYL LINOLATE	8.82	0.254	112-63-0
METHYL LINOLENATE	1.98	0.160	301-00-8

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
METHYL METHACRYLATE	18.55	0.382	80-62-6
METHYL METHANOATE (METHYL FORMATE)	13.55	0.569	107-31-3
METHYL MORPHOLINE	0.15	0.059	109-02-4
METHYL NITRATE	27.78	0.607	598-58-3
METHYL OCTADECANOATE	185.20	0.416	112-61-8
METHYL OCTANOATE	42.74	0.415	111-11-5
METHYL OLEATE	42.73	0.325	112-62-9
METHYL PENTANOATE	17.92	0.433	624-24-8
METHYL PROPANOATE (METHYL PROPIONATE)	8.96	0.465	554-12-1
METHYL PROPYL ETHER	81.70	0.650	557-17-5
METHYL PROPYL SULFIDE	121.80	0.632	3877-15-4
METHYL TERT-BUTYL ETHER	32.61	0.519	1634-04-4
METHYL TETRADECANOATE	108.90	0.394	124-10-7
METHYL THIOPHENOL 4	32.00	0.450	106-45-6
METHYL-1,3-CYCLOPENTADIENE 5	2228.00	0.719	26519-91-5
METHYL-2,3,4-TRIHYDROQUINOLINE N	0.81	0.151	491-34-9
METHYL-2-AMINOETHYLAMINE	1028.00	0.941	109-81-9
METHYL-2-HYDROXYETHYLAMINE	0.19	0.128	109-83-1
METHYL-3-ACETYLCYCLOPENTADIENE 1	294.40	0.662	
METHYL-3-NITROBENZYL ALCOHOL 4	0.37	0.088	40870-59-5
METHYL-4-NITROBENZYL ALCOHOL 2	0.19	0.050	23876-13-3
METHYL-5-THIOACETYLDIHYDRO1, 3THIAZOLE 4	10740.00	0.517	

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
METHYLBUTADIENE (ISOPRENE)	4242.00	0.717	78-79-5
METHYLBUTYLAMINE	2.15	0.313	110-68-9
METHYLCHLORPYRIFOS	0.17	0.065	5598-13-0
METHYLCYCLOHEXANE	23870.00	0.597	108-87-2
METHYLCYCLOPENTANE	19840.00	0.657	96-37-7
METHYLENE CHLORIDE, DICHLOROMETHANE	162.90	0.709	75-09-2
METHYLFURAN 2*	329.40	0.696	534-22-5
METHYLISOBORNEOL,2-	4.02	0.261	2371-42-8
METHYLPHENYL CARBAMATE N	0.78	0.163	1943-79-9
METHYL-PHENYLETHYLAMINE N	75.00	0.506	589-08-2
METHYL-P'-METHYLTRIPHENYL PHOSPHINE P	811.10	0.669	
METHYLSTYRENE (-4)	179.20	0.564	622-97-9
METHYLTIN TRICHLORIDE	0.13	0.028	993-16-8
METHYLTRICHLOROSILANE	8403.00	0.600	75-79-6
METHYL-TRIHYDRO-1,3-THIAZOLE 4	5.83	0.336	
MITOMYCIN C*	10740.00	0.470	50-07-7
MNNG	10740.00	0.505	70-25-7
MOLINATE*	0.33	0.064	2212-67-1
MONURON	18.67	0.316	150-68-5
MORPHOLINE	3.18	0.464	110-91-8
MUSTARD GAS	2.46	0.244	505-60-2
N METHYL PYRROLIDINE	1.68	0.303	120-94-5
N'-(2,4-DIMETHYLPHENYL)-N-[[(2,4-DIMETHY	0.55	0.074	33089-61-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
NALED	3.61	0.259	300-76-5
NAPHTHALENE	66.69	0.521	91-20-3
NAPHTHOQUINONE-1,4	1.28	0.201	130-15-4
NITRAPYRIN	18.17	0.308	1929-82-4
NITRO M XYLENE, 2	9.39	0.339	81-20-9
NITRO-4-METHYLBENZOATE 3	10740.00	0.493	
NITROBENZENE	1.36	0.223	98-95-3
NITROBENZENESULFONYL CHLORIDE P	24.61	0.333	98-74-8
NITROBENZYL ALCOHOL P	11.17	0.407	619-73-8
NITROBIPHENYL,4-	0.14	0.029	92-93-3
NITROCELLULOSE	55.56	0.147	9004-70-0
NITROETHANE	4.10	0.415	79-24-3
NITROFEN	0.17	0.028	1836-75-5
NITROGEN MUSTARD N-OXIDE	400.00	0.552	126-85-2
NITROMETHANE	15.43	0.588	75-52-5
NITROPROPANE 2	6.61	0.418	79-46-9
NITROSOBENZYL ALCOHOL 4	0.75	0.155	
NITROSOMORPHOLINE	1.89	0.344	59-89-2
N-NITROSODIBUTYLAMINE	0.56	0.116	924-16-3
N-NITROSODIETHYLAMINE	0.20	0.088	55-18-5
N-NITROSOMETHYLVINYLAMINE*	1.11	0.274	4549-40-0
NONADECANE (C19 LINEAR)	163.40	0.415	629-92-5
NONANAL	40.73	0.425	124-19-6
O TOLUIDINE	0.13	0.052	95-53-4
OCTACHLORONAPHTHALENE	40.61	0.301	2234-13-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
OCTADECANE (C18 LINEAR)	505.00	0.507	593-45-3
OCTAFLUOROCYLCLOBUTANE	222200.00	0.591	115-25-3
OCTAMETHYLPYROPHOSPHORAMIDE	245600000.00	0.830	152-16-9
OCTANAL	26.45	0.421	124-13-0
OCTANE	277800.00	0.701	111-65-9
OCTANOL 2	2.02	0.231	123-96-6
OCTANOL 3	0.39	0.100	589-98-0
OCTANOL 4	0.52	0.120	589-62-8
O-THIOCRESOL	8.44	0.346	137-06-4
OXACYCLOPENTADIENE (FURAN,FURFURAN)*	308.60	0.728	110-00-9
OXAMIC ACID*	4.94	0.371	471-47-6
P BROMOCHLOROBENZENE	80.51	0.451	106-39-8
P TOLUIDINE	1.06	0.225	106-49-0
PARAFORMALDEHYDE	55.56	0.259	30525-89-4
PARALDEHYDE	2.04	0.248	123-63-7
PCB AROCLOR 1016 (MONOCHLOROBIPHENYL)	10.00	0.305	12674-11-2
PCB AROCLOR 1221 (MONOCHLOROBIPHENYL)	12.63	0.340	11104-28-2
PCB AROCLOR 1232 (DICHLOROBIPHENYL)	48.00	0.397	11141-16-5
PCB AROCLOR 1242 (TRICHLOROBIPHENYL)	27.78	0.331	53469-21-9
PCB AROCLOR 1248 (QUATROCHLOROBIPHENY	24.15	0.310	12672-29-6

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
PCB AROCLOR 1254 (PENTACHLOROBIPHENYL)	18.52	0.334	11097-69-1
PCB AROCLOR 1260 (HEXACHLOROBIPHENYL)	18.67	0.306	11096-82-5
PCB AROCLOR 1268	22.22	0.314	111032-14-4
PCB'S (AROCLORS)	15.64	0.326	1336-36-3
PEBULATE	8.67	0.613	1114-71-2
PENTACHLOROBENZENE	405.60	0.543	608-93-5
PENTACHLORODECANE ISOMERS	2.65	0.186	
PENTACHLOROETHANE	120.80	0.556	76-01-7
PENTACHLORONITROBENZENE	0.20	0.037	82-68-8
PENTACHLOROUNDECANE ISOMERS	0.81	0.096	
PENTADECANE (C15 LINEAR)	26450.00	0.429	629-62-9
PENTADIENE 1,2	7210.00	0.706	591-95-7
PENTANAL (VALERALDEHYDE)	8.96	0.442	110-62-3
PENTANE	68590.00	0.736	109-66-0
PENTANEDINITRILE, 2-BROMO-2-(BROMOMETHYL	1.05	0.126	35691-65-7
PENTYL ETHANOATE (N AMYL ACETATE)	21.55	0.286	628-63-7
PENTYL PROPANOATE (AMYL PROPIONATE)	46.30	0.452	624-54-4
PENTYLAMINE	1.36	0.263	110-58-7
PENTYLBENZENE	1110.00	0.599	538-68-1
PENTYLCYCLOPENTANE	101000.00	0.510	3741-00-2
PERCHLOROMETHYL MERCAPTAN	125.60	0.560	594-42-3
PEROXY 2 PROPENOYL NITRATE	32.68	0.607	

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
PEROXY ISOBUTRYL NITRATE	55.56	0.574	65424-60-4
PEROXY N BUTRYL NITRATE	24.15	0.560	
PEROXYACETYL NITRATE	13.55	0.533	2278-22-0
PEROXYPROPIONYL NITRATE	19.16	0.574	
PHENANTHRENE	1.98	0.211	85-01-8
PHENOL, 2,3,5-TRIMETHYL-, METHYLCARBAMAT	47.94	0.358	2655-15-4
PHENOL,3-(1,1-DIMETHYLETHYL)-	0.39	0.090	585-34-2
PHENONTHRIN	0.38	0.053	26002-80-2
PHENOTHIAZINE	1106.00	0.688	92-84-2
PHENYL ISOCYANATE	12.77	0.398	103-71-9
PHENYL MERCAPTAN	18.60	0.439	108-98-5
PHENYLACETIC PEROXIDE	0.84	0.169	
PHENYLCYCLOHEXANONE 4	486.10	0.590	4894-75-1
PHENYLPHENOL P	177.80	0.496	92-69-3
PINENE(ALPHA-)	1456.00	0.621	80-56-8
PIPERIDINE	0.25	0.103	110-89-4
POLYCHLORINATED DODECANE ISOMERS	0.75	0.089	
POLYCYCLIC KETONE O	2778.00	0.476	
PROPANAL (PROPIONALDEHYDE)	4.27	0.421	123-38-6
PROPANE	35420.00	0.808	74-98-6
PROPANE SULTONE,1,3-*	4.27	0.564	1120-71-4
PROPANE, 1,1'-OXYBIS 3-CHLORO-	1.08	0.172	629-36-7
PROPANIL	1022.00	0.556	709-98-8
PROPANONE (ACETONE)	2.33	0.320	67-64-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
PROPENAL (ACROLEIN)	7.51	0.457	107-02-8
PROPENYL BENZENE	122.80	0.529	637-50-3
PROPIOLACTONE B	0.56	0.210	57-57-8
PROPYL BUTANOATE (PROPYL BUTYRATE)	29.24	0.447	105-66-8
PROPYL DODECANOATE (PROPYL LAURATE)	71.22	0.368	3681-78-5
PROPYL ETHANOATE (PROPYL ACETATE)	12.08	0.443	109-60-4
PROPYL ETHER (DIPROPYL ETHER)	122.20	0.619	111-43-3
PROPYL METHANOATE (PROPYL FORMATE)	20.58	0.539	110-74-7
PROPYL PROPANOATE (PROPYL PROPIONATE)	21.37	0.462	106-36-5
PROPYL(-N) BENZENE	593.50	0.625	103-65-1
PROPYL-3-METHOXY PYRAZINE,2-ISO	0.17	0.050	25773-40-4
PROPYLAMINE	0.83	0.266	107-10-8
PROPYLCYCLOPENTANE	50510.00	0.577	2040-96-2
PROPYLENE (PROPENE)	11260.00	0.781	115-07-1
PROPYLENE CHLOROHYDRIN	0.29	0.133	127-00-4
PROPYLENIMINE 1,2 2 METHYL AZIRIDINE	0.62	0.251	75-55-8
PROPYNE	591.00	0.815	74-99-7
PYRAZINE	0.16	0.099	290-37-9
PYRENE	0.66	0.102	129-00-0
PYRIDINE	0.62	0.192	110-86-1
PYRIMIDINE	0.16	0.095	289-95-2

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
PYRROLIDINE	0.13	0.068	123-75-1
QUINALDINE	0.30	0.079	91-63-4
RONNEL	1.16	0.117	299-84-3
S4CHL.CYCLOHEX.00DIMETH.PHOS.DITHIOATE	9.61	0.270	
SAFROLE	0.50	0.102	94-59-7
SEC BUTYLBENZENE	771.60	0.621	135-98-8
S-ETHYL CYCLOHEXYLETHYLCARBAMOTHIOATE	0.37	0.061	1134-23-2
SODIUM DODECYL SULFATE	16.67	0.356	151-21-3
SODIUM DODECYLBENZENE SULFONATE	0.79	0.102	25155-30-32
SODIUM PENTOBARBITOL	16.67	0.435	57-33-0
STREPTOZOTOCIN	10740.00	0.963	18883-66-4
STYRENE OXIDE	0.87	0.181	96-09-3
SULFUR DIOXIDE*	40.70	0.701	2025884
SULFUR HEXAFLUORIDE	227500.00	0.780	2551-62-4
T 2,4 PENTANEDIOL DINITRATE	3.70	0.260	
T BUTYL NITRATE	79.36	0.596	
TAMARON (METHAMIDIPHOS)	0.38	0.117	10265-92-6
T-BUTYL HYDROPEROXIDE	0.56	0.173	75-91-2
TERBACIL	30.33	0.432	5902-51-2
TERBUFOS	1.09	0.125	13071-79-9
TERPINEOL, ALPHA	0.68	0.128	98-55-5
TERT-AMYLBENZENE	1010.00	0.598	2049-95-8
TERT-BUTYL ACETATE	48.50	0.530	540-88-5

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
TERT-BUTYLBENZENE	661.40	0.606	98-06-6
TETRACHLOROAQUINONE	5.41	0.280	118-75-2
TETRACHLOROBENZENE (1,2,4,5)	538.00	0.573	95-94-3
TETRACHLORODIBENZOFURAN (2,3,7,8)	8.50	0.271	51207-31-9
TETRACHLOROETHANE (1,1,1,2)	138.90	0.566	630-20-6
TETRACHLOROETHANE (1,1,2,2)	27.78	0.479	79-34-5
TETRACHLOROETHENE	793.60	0.742	127-18-4
TETRACHLOROPHENOL (2,3,4,6)	0.63	0.097	58-90-2
TETRACHLOROPROPENE (1,1,2,3)	499.40	0.654	10436-39-2
TETRADECANE	63330.00	0.453	629-59-4
TETRAETHYL LEAD*	31640.00	0.660	78-00-2
TETRAETHYLENE PENTANE	1078.00	0.769	
TETRAETHYLPYROPHOSPHATE	13.81	0.298	107-49-3
TETRAFLUOROETHENE	34720.00	0.609	116-14-3
TETRAFLUOROMETHANE (CARBONTETRAFLUORIDE)*	259800.00	0.785	75-73-0
TETRAHYDROBENZALDEHYDE	1.38	0.233	1321-16-0
TETRAHYDROFURAN (THF)	3.92	0.541	109-99-9
TETRAHYDROPYRAN	6.94	0.397	142-68-7
TETRAHYDROTHIOPHENE	33.94	0.530	110-01-0
TETRANITROMETHANE*	1.11	0.165	509-14-8
THIOACETAMIDE	0.72	0.269	62-55-5
THIOANISOLE	13.55	0.387	100-68-5
THIOCYANATE (TOTAL AS SCN-)	1556.00	0.677	463-56-9
THIOPHENE	126.30	0.653	110-02-1

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
THIRAM	11720.00	0.540	137-26-8
THYMINE	45060.00	0.895	65-71-4
TOLUENE	356.70	0.638	108-88-3
TOLUENE24DIAZOBIS-METATOLUENEDIAMINE HCL	2.38	0.162	
TOLUENESULFONYL CHLORIDE	0.11	0.026	98-59-9
TOLUIC ALDEHYDE	14.05	0.402	122-78-1
TOXAPHENE	0.33	0.053	8001-35-2
TRANS 1,2 CYCLOHEPTANEDIOL DINITRATE	0.62	0.094	
TRANS 1,2 CYCLOHEXANEDIOL DINITRATE	1.07	0.139	
TRANS 1,2 DIMETHYLCYCLOHEXANE	26450.00	0.547	6876-23-9
TRANS 1,3 CYCLOHEXANEDIOL DINITRATE	0.81	0.117	
TRANS 1,3 DICHLOROPROPENE	99.21	0.599	10061-02-6
TRANS 1,4 DIMETHYLCYCLOHEXANE	50500.00	0.580	112227
TRANS 2 BUTENAL (CROTONALDEHYDE)	1.09	0.251	4170-30-3
TRANS 2 BUTENE	12630.00	0.731	624-64-6
TRANS 2 HEPTENE	23150.00	0.581	14686-13-6
TRANS 2 HEXENAL	2.78	0.310	6728-26-3
TRANS 2 OCTENAL	4.27	0.303	2363-89-5
TRANS-TRANS 2,4 HEXADIENAL	5.56	0.369	142-83-6
TRIBROMOMETHYLPHOSPHATE	1.93	0.171	
TRIBUTYL PHOSPHOROTRITHIOATE SSS	8.72	0.247	78-48-8
TRIBUTYL TIN ACETATE	60.00	0.362	56-36-0

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
TRICHLORO-1,3,5-TRIAZINE 2,4,6	51.22	0.503	108-77-0
TRICHLOROACETYLCHLORIDE	27.78	0.427	76-02-8
TRICHLOROANISOLE 2,3,6	6.44	0.278	50375-10-5
TRICHLOROBENZENE 1,2,4	106.40	0.455	120-82-1
TRICHLOROBUTANE 1,2,3	0.60	0.164	18338-40-4
TRICHLOROETHANE 1,1,1 METHYL CHLOROFORM	925.90	0.745	71-55-6
TRICHLOROETHYLENE	561.80	0.722	79-01-6
TRICHLORONITROMETHANE*	113.90	0.595	76-06-2
TRICHLOROPHENOL 2,4,5	1.10	0.142	95-95-4
TRICHLOROPROPANE 1,1,1	179.00	0.605	7789-89-1
TRICHLOROPROPANE(1,1,2)	1611.00	0.766	598-77-6
TRICHLOROPROPANE(1,2,2)	1611.00	0.780	3175-23-3
TRICHLOROPROPANE(1,2,3)	19.16	0.543	96-18-4
TRICHLOROPROPENE (1,1,2)	403.90	0.648	21400-25-9
TRICOSANE N	127900.00	0.774	638-6-5
TRIDECANE (C13 LINEAR)	129200.00	0.511	629-50-5
TRIETHYLAMINE	8.29	0.369	121-44-8
TRIETHYLPHOSPHOROTHIOATE,O,O,O-	400.00	0.528	126-68-1
TRIFLUOROACETIC ACID	0.55	0.149	76-05-1
TRIFLUOROACETYLCHLORIDE	22.22	0.412	
TRIFLUOROETHANE(1,1,1)	42780.00	0.787	420-46-2
TRIFLUOROMETHANE (R23)	3968.00	0.848	75-46-7
TRIFLUOROMETHYL BENZENE	896.00	0.597	
TRIFLURALIN	6.10	0.234	1582-09-8

TABLE 4 OF APPENDIX J--Continued

Compound	Y/X	fet	CAS
TRIIODOMETHANE (IODOFORM)	163.40	0.644	75-11-8
TRIISOBUTYLENE	1978.00	0.585	7756-94-7
TRIISOPROPYLAMINE	93.89	0.413	3424-21-3
TRIMELLITIC ANHYDRIDE	0.23	0.045	552-30-7
TRIMETHOXYMETHANE	0.79	0.222	149-73-5
TRIMETHYL-4-NITROANILINE 2,3,5	500.00	0.567	
TRIMETHYLAMINE	13.58	0.576	75-50-3
TRIMETHYLBENZENE (1,3,5)	326.80	0.580	108-67-8
TRIMETHYLPENTANE 2,2,4	185400.00	0.661	540-84-1
TRIMETHYLSILANOL	16.67	0.449	1066-40-6
TRINITROBENZENE,SYM-	0.14	0.031	99-35-4
TRINITROTOLUENE(2,4,6)	0.76	0.131	118-96-7
TRIPHENYL PHOSPHINE	7.28	0.263	603-35-0
TRIPHENYLMETHANE	15.17	0.274	519-73-3
TRIPHENYLPHOSPHINE NICKEL CARBONYL	209.40	0.421	
TRIS (1-AZIRIDINYL) PHOSPHINE SULFIDE	10740.00	0.492	52-24-4
TRIS (2,3-DIBROMOPROPYL) PHOSPHATE	588900.00	1.002	126-72-7
TRISODIUM NITRILOTRIACETATE	10740.00	0.496	5064-31-3
UNDECANE (C11 LINEAR)	1010000.00	0.741	1120-21-4
URACIL	503.90	0.910	66-22-8
URACIL MUSTARD	611.10	0.605	66-75-1
VINYL ACETATE	27.08	0.550	108-05-4
VINYL ACETYLENE	1462.00	0.793	689-97-4

TABLE 4 OF APPENDIX J--Concluded

Compound	Y/X	fet	CAS
VINYL DIHYDROPYRAN	24.33	0.502	
VINYL METHYL ETHER	555.00	0.806	107-25-5
VINYLCYCLOHEXENE 4	102200.00	0.634	100-40-3
XYLENE	389.70	0.661	1330-20-7
XYLENE(-M)	413.00	0.637	108-38-3
XYLENE(-O)	269.30	0.647	95-47-6
XYLENE(-P)	413.30	0.649	106-42-3
XYLYL CHLORIDE M	78.33	0.536	620-19-9
XYLYL CHLORIDE O	78.33	0.536	552-45-4

* Molecular structure only approximate.

TABLE 5 OF APPENDIX J--FE VALUES FOR EMISSIONS FROM BIOLOGICAL TREATMENT SYSTEMS (Fet Values) (use with Section 2.5.3)

Henry's Law Constant	Fet Value
0.002	0.001
0.004	0.002
0.006	0.003
0.01	0.005
0.014	0.007
0.02	0.010
0.03	0.015
0.04	0.020
0.05	0.25
0.06	0.030
0.07	0.035
0.08	0.040
0.09	0.045
0.1	0.050
0.158	0.060
0.22	0.070
0.27	0.080
0.28	0.090
0.285	0.10
0.288	0.11
0.354	0.12
0.45	0.13
0.5	0.14
0.55	0.15
0.628	0.16
0.71	0.17
0.85	0.18
1.01	0.19
1.10	0.20
1.2	0.21
1.3	0.22

TABLE 5--Continued

Henry's Law Constant	Fet Value
1.75	0.23
1.93	0.24
2.03	0.25
2.3	0.26
2.6	0.27
2.8	0.28
2.9	0.29
3	0.30
3.3	0.31
4.17	0.33
4.6	0.35
8	0.37
9.6	0.39
11	0.40
13	0.41
15	0.43
16	0.44
17	0.45
75	0.47
144	0.50
206	0.52
411	0.54
500	0.56
615	0.58
716	0.60
811	0.62
1000	0.64
4000	0.66
8000	0.68
9000	0.70
11000	0.72
12000	0.74

TABLE 5--Concluded

Henry's Law Constant	Fet Value
20000	0.76
30000	0.78
50000	0.80
210000	0.82

FORM 1 OF APPENDIX J--CALCULATION OF THE HENRY'S LAW CONSTANT AT 25°C FOR A COMPOUND IN A SEALED BATCH TEST (i.e., Two Phase Closed System) (use with Sections 2.1.3.1 and 2.4.3.1.1)

NAME OF THE FACILITY _____
WASTE STREAM IDENTIFICATION _____
COMPOUND _____
REACTOR HEADSPACE VOLUME (L) 1 _____
REACTOR LIQUID VOLUME (L) 2 _____
TEMPERATURE OF LIQUID IN UNIT (deg. C) 3 _____

A Data Set	B Time (hr)	C Liquid Conc. (mg/L)	D Gas Conc. (mg/L)	E Keq D/C
1				
2				
3				
4				
5				

Temperature in degrees Kelvin.
Add 273.16 to the number on line 3. 4 _____

Molar ratio. Multiply the number on
line 4 by 4.555. 5 _____

Henry's law value (mg/L gas per mg/L liquid).
The average value in column E. 6 _____

Henry's law value (mole fract. gas
per mole fract. liquid). Multiply line 6
by line 5. 7 _____

FORM 1a OF APPENDIX J–EXAMPLE CALCULATION OF THE HENRY'S LAW CONSTANT AT 25°C FOR A COMPOUND IN A SEALED BATCH TEST (i.e., Two Phase Closed System) (use with Sections 2.1.3.1 and 2.4.3.1.1)

NAME OF THE FACILITY		Plant A
WASTE STREAM IDENTIFICATION		Waste A
COMPOUND		Dichlorophenol
REACTOR HEADSPACE VOLUME (L)	1	1
REACTOR LIQUID VOLUME (L)	2	10
TEMPERATURE OF LIQUID IN UNIT (deg. C)	3	25

A Data Set	B Time (hr)	C Liquid Conc. (mg/L)	D Gas Conc. (mg/L)	E Keq D/C
1	1	100	0.1184	0.001184
2	2	90	0.1056	0.001173
3	3	80	0.0917	0.001146
4	4	70	0.0829	0.001184
5				

Temperature in degrees Kelvin. Add 273.16 to the number on line 3.	4	298.6
Molar ratio. Multiply the number on line 4 by 4.555.	5	1358.12
Henry's law value (mg/L gas per mg/L liquid). The average value in column E.	6	0.001172
Henry's law value (mole fract. gas per mole fract. liquid). Multiply line 6 by line 5.	7	1.592

FORM 2 OF APPENDIX J--DATA FORM FOR THE CALCULATION OF THE HENRY'S LAW CONSTANT AT 25°C FROM THE STRIPPING IN AN AERATED BATCH TEST
(i.e., Open System) (use with Sections 2.1.3.2 and 2.4.3.1.2)

NAME OF THE FACILITY _____
WASTE STREAM IDENTIFICATION _____
COMPOUND _____
CONCENTRATION BASIS (LIQUID OR GAS) _____
TEMPERATURE of the liquid in the unit (deg.C) 1_____
GAS FLOW RATE (L/hr) 2_____
LIQUID VOLUME (L) 3_____
C_o, CONCENTRATION MEASUREMENT AT t =0(mg/L) 4_____

A Data Point	B Time (hr)	C Concentration, C (mg/L)	D C/C_o	E $-\ln(C/C_o)$
1				
2				
3				
4				
5				

CALCULATIONS. Use additional lines as needed in an expansion of the above table. Plot the values in column E (y axis) vs the data in column B (x axis). Reject outliers. Curve fit with a straight line. Calculate the slope and enter the slope on line 7.

Temperature in degrees Kelvin.
Add 273.16 to the number on line 1. 5_____

MOLAR RATIO.Multiply the number on line 5 by 4.555. 6_____

Slope of the plot of $-\ln(C/C_o)$ vs time (per hour) 7_____

Calculated Keq value (mg/L gas per mg/L liquid).
Divide the number on line 7 by the number on line 2 and multiply the results by the number on line 3.
Enter the results on line 8. 8_____

Henry's law value (mole fract. gas per mole fract. liquid). Multiply the number on line 8 by the number on line 6. 9_____

FORM 2a OF APPENDIX J–EXAMPLE DATA FORM FOR THE CALCULATION OF THE HENRY'S LAW CONSTANT AT 25°C FROM THE STRIPPING IN AN AERATED BATCH TEST
(i.e., Open System) (use with Sections 2.1.3.2 and 2.4.3.1.2)

NAME OF THE FACILITY: Plant A
WASTE STREAM IDENTIFICATION: Waste A
COMPOUND: Dichlorophenol
CONCENTRATION BASIS (LIQUID OR GAS): gas
TEMPERATURE of the liquid in the unit (deg.C) 1: 25
GAS FLOW RATE (L/hr) 2: 1
LIQUID VOLUME (L) 3: 10
C_o, CONCENTRATION MEASUREMENT AT t =0(mg/L) 4: 2

A Data Point	B Time (hr)	C Concentration, C (mg/L)	D C/C_o	E $-\ln(C/C_o)$
1	1	1.999765367	0.99988268	0.000117324
2	2	1.999530761	0.99976538	0.000234647
3	3	1.999296183	0.99964809	0.000351971
4	4	1.999061632	0.99953082	0.000469294
5	5	1.998827109	0.99941356	0.000586618

CALCULATIONS. Use additional lines as needed in an expansion of the above table. Plot the values in column E (y axis) vs the data in column B (x axis). Reject outliers. Curve fit with a straight line. Calculate the slope and enter the slope on line 7.

Temperature in degrees Kelvin.
Add 273.16 to the number on line 1. 5 298.16

MOLAR RATIO.Multiply the number on line 5 by 4.555.
6 1358.12

Slope of the plot of $-\ln(C/C_o)$ vs time (per hour)
7 0.000117324
Calculated Keq value (mg/L gas per mg/L liquid).
Divide the number on line 7 by the number on line 2
and multiply the results by the number on line 3.
Enter the results on line 8. 8 0.001173235

Henry's law value (mole fract. gas per mole fract. liquid). Multiply the number on line 8 by the number on line 6. 9 1.592

FORM 3 OF APPENDIX J--HOW TO SUBTRACT A CHEMICAL FROM A METHOD 25D CONCENTRATION
(use with Section 2.3)

NAME OF THE FACILITY _____
STREAM IDENTIFICATION_____

1. Report the average value of the Method 25D samples. You must take at least the minimum number of samples required by the referencing subpart. Report the results for each sample taken (ppmw). If you include any samples, you must explain why the samples should not be included in the average. Measurements of volatile content with EPA Method 25D.Enter each result on lines 1-5 (ppmw)
   1_____
   2_____
   3_____
   4_____
   5_____

2. Report average value of Method 25D results.

Average value of Method 25D results (ppmw)	1.	

3. Subtract from average value of Method 25D samples.

No.	Chemical (A)	Concentration (ppmw) (B)	FM M25D (C)	Fm Adjusted Concentration (ppmw) (D) = (B)*(C)
1				
2				
3				
4				
5				
6				
7				
8				
9				

10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

	Sum of adjusted concentrations.	2.
	Total Method 25D concentration adjusted to subtract chemicals. Subtract Item 2 from Item 1 (do not enter less than zero).	3.

FORM 4 OF APPENDIX J--EXAMPLE OF HOW TO SUBTRACT A CHEMICAL FROM A METHOD 25D CONCENTRATION (use with Section 2.3)

NAME OF THE FACILITY Plant A

STREAM IDENTIFICATION Waste 3A

1. Report the average value of the Method 25D samples. You must take at least the minimum number of samples required by the referencing subpart. Report the results for each sample taken (ppmw). If you include any samples, you must explain why the samples should not be included in the average. Measurements of volatile content with EPA Method 25D. Enter each result on lines 1-5 (ppmw).

1 100

2 57
3 88
4 110

5

2. Report average value of Method 25D results.

Average value of Method 25D - results (ppmw)	1.	88.75

3. Subtract from average value of Method 25D samples.

No.	Chemical (A)	Concentration (ppmw) (B)	Fm M25D (C)	Fm Adjusted Concentration (ppmw) (D) = (B)*(C)
1	Phenol	150	0.036	5.4
2	Acetic Acid	200	0.101	20.2

Sum of adjusted concentrations.	2.	25.6
Total Method 25D concentration adjusted to subtract chemicals. Subtract Item 2 from Item 1 (do not enter less than zero).	3.	63.15

FORM 5 OF APPENDIX J--HOW TO CALCULATE A HENRY'S LAW CONSTANT FROM A HENRY'S LAW CONSTANT AT A DIFFERENT TEMPERATURE FOR THE SAME CHEMICAL
(use with Section 2.6)

NAME OF THE FACILITY		
CHEMICAL FOR EVALUATION		
MEASURED HENRY'S LAW CONSTANT (atm/mol fraction)	1	
MEASUREMENT TEMPERATURE (deg. C)	2	
ADJUSTMENT TEMPERATURE FOR HENRY'S LAW CONSTANT (deg. C)	3	
WATER9 PREDICTED HENRY'S LAW CONSTANT AT THE MEASUREMENT TEMPERATURE	4	
WATER9 PREDICTED HENRY'S LAW CONSTANT AT THE ADJUSTMENT TEMPERATURE	5	
RATIO OF HENRY'S LAW CONSTANTS. DIVIDE THE NUMBER ON LINE 5 BY THE NUMBER ON LINE 4.	6	
ADJUSTED HENRY'S LAW CONSTANT. MULTIPLY THE NUMBER ON LINE 6 BY THE NUMBER ON LINE 1.	7	

Discuss the assumptions and data inputs used for WATER9.

FORM 6 OF APPENDIX J--GENERAL SYSTEM SPECIFICATIONS
(use with Section 2.5.2)

You must use site-specific values for parameters 5, 6, and 10.

5 Relative humidity of inlet air (%) _____

6 Temperature of air (°C) _____

10 Wind speed (cm/s at 10 m) _____

For the rest of the items, you may use the default values in WATER9 or site-specific values. You should document the methods used. You only have to report site-specific data on this form; you do not have to report the WATER9 default values.

1 Total water added at the unit (l/s) _____

2 Area of openings at unit (cm^2) _____

3 Radius of drop pipe (cm) _____

4 Drop length to conduit (cm) _____

7 Drain air velocity (ft/min) _____

8 Manhole air velocity (ft/min) _____

9 Conduit air velocity (ft/min) _____

11 Distance to next unit (cm) _____

12 Slope of underflow conduit _____

13 Friction factor liquid _____

14 Friction factor gas _____

15 Radius of underflow conduit (cm) _____

16 Underflow temperature (°C) _____

17 Oscillation cycle time (min) _____

18 Design collection velocities (ft/s) _____

19 Design branch line fraction full _____

20 Fraction of wind speed on open drains _____

21 Number of iterations for calculations _____

22 Specified line vent rates, =1 _____

23 Iterations in vent convergence pass _____

24 Number of passes in vent conv. _____

25 Allowable vent error _____

26 Acceleration factor for vent convergence _____

27 Change in pressure _____

28 Oil molecular weight _____

29 Oil density (g/cc) _____

FORM 7 OF APPENDIX J--DESCRIPTION OF GENERAL COLLECTION ELEMENTS (use with Section 2.5.2)

Applicable units include closed trenches, open hub drains, covered drains, openings in a conduit, and manhole covers. Waste may be added either at the unit or through a drop pipe. Each unit has a potential vent or waste addition, followed by an enclosed conduit that ends at the next downstream unit.

1 Description of unit _____

2 Underflow temperature (°C) _____

3 Total water added at the unit (l/s) _____

The following three specifications refer to the potential vent or waste drop pipe.

4 Area of openings at unit (cm^2) _____

5 Radius of drop pipe (cm) _____

6 Drop length to conduit (cm) _____

The term open surface refers to the surface near the vent or waste addition.

7 Open surface =1 _____

8 Subsurface entrance =1 _____

9 subsurface exit =1 _____

The following three specifications refer to the enclosed conduit downstream of the unit.

10 Radius of underflow conduit (cm) _____

11 Distance to next unit (cm) _____

12 Slope of underflow conduit _____

The specified air velocity is only used if Form 6 general system specification 22 equals 1.

16 Speed of air at opening (ft/min) _____

17 Municipal waste in conduit =1 _____

18 Assume equilibrium in unit, =1 _____

If waste is added at the unit, specify the waste number. The waste composition is described elsewhere.

19 Waste 1 added to system at unit number _____

20 Waste 2 added to system at unit number _____

21 Waste 3 added to system at unit number _____

FORM 8 OF APPENDIX J--THE DESCRIPTION OF OPEN TRENCHES
(use with Section 2.5.2)

1	Description of unit	_____
2	Underflow temperature (°C)	_____
3	Total water added at the unit (l/s)	_____
8	Subsurface entrance =1	_____
9	Subsurface exit =1	_____
10	Width of underflow conduit (cm)	_____
11	Distance to next unit (cm)	_____
12	Slope of underflow conduit	_____
19	Waste 1 added to system at unit number	_____
20	Waste 2 added to system at unit number	_____
21	Waste 3 added to system at unit number	_____

FORM 9 OF APPENDIX J--THE DESCRIPTION OF AN OPEN SUMP
(use with Section 2.5.2)

1 Description of unit _____

2 Underflow temperature (°C) _____

3 Total water added at the unit (l/s) _____

4 Area of openings at unit (cm^2) _____

5 Radius of drop pipe (cm) _____

6 Drop length to conduit (cm) _____

7 Open surface =1 _____

8 Subsurface entrance =1 _____

9 Subsurface exit =1 _____

10 Radius of underflow conduit (cm) _____

11 Distance to next unit (cm) _____

12 Slope of underflow conduit _____

13 Area of surface (cm^2) _____

14 Flow entrance depth under surface (cm) _____

15 Depth of liquid in sump (cm) _____

16 Speed of air at opening (ft/min) _____

17 Municipal waste in conduit =1 _____

18 Assume equilibrium in unit, =1 _____

19 Waste 1 added to system at unit number _____

20 Waste 2 added to system at unit number _____

21 Waste 3 added to system at unit number _____

FORM 10 OF APPENDIX J--THE DESCRIPTION OF AN OPEN J DRAIN
(use with Section 2.5.2)

1	Description of unit	_____
2	Underflow temperature (°C)	_____
3	Total water added at the unit (l/s)	_____
4	Distance to trap liquid surface (cm)	_____
5	Radius of drop pipe (cm)	_____
6	Drop length to conduit (cm)	_____
7	Open surface =1	_____
8	Subsurface entrance =1	_____
9	Subsurface exit =1	_____
10	Radius of underflow conduit (cm)	_____
11	Distance to next unit (cm)	_____
12	Slope of underflow conduit	_____
13	Depth of water level (cm)	_____
14	Displacement in oscillation (cm)	_____
17	Municipal waste in conduit =1	_____
18	Assume equilibrium in unit, =1	_____
19	Waste 1 added to system at unit number	_____
20	Waste 2 added to system at unit number	_____
21	Waste 3 added to system at unit number	_____

FORM 11 OF APPENDIX J--THE DESCRIPTION OF SEALED COLLECTION ELEMENTS
(use with Section 2.5.2)

1	Description of unit	_____
2	Underflow temperature (°C)	_____
3	Total water added at the unit (l/s)	_____
4	Area of openings at unit (cm^2)	_____
5	Radius of drop pipe (cm)	_____
6	Drop length to conduit (cm)	_____
7	Open surface =1	_____
8	Subsurface entrance =1	_____
9	Subsurface exit =1	_____
10	Radius of underflow conduit (cm)	_____
11	Distance to next unit (cm)	_____
12	Slope of underflow conduit	_____
17	Municipal waste in conduit =1	_____
18	Assume equilibrium in unit, =1	_____
19	Waste 1 added to system at unit number	_____
20	Waste 2 added to system at unit number	_____
21	Waste 3 added to system at unit number	_____

FORM 12 OF APPENDIX J--THE DESCRIPTION OF WEIRS AND WATERFALLS
(use with Section 2.5.2)

1	Description of unit	_____
2	Underflow temperature (°C)	_____
3	Total water added at the unit (l/s)	_____
4	Waterfall width at surface (m)	_____
5	Waterfall drop height (cm)	_____
6	Tailwater depth (m)	_____
7	Open surface =1	_____
8	Subsurface entrance =1	_____
9	Subsurface exit =1	_____
10	Radius of underflow conduit (cm)	_____
11	Distance to next unit (cm)	_____
12	Slope of underflow conduit	_____
19	Waste 1 added to system at unit number	_____
20	Waste 2 added to system at unit number	_____
21	Waste 3 added to system at unit number	_____

FORM 13 OF APPENDIX J--THE DESCRIPTION OF LIFT STATIONS
(use with Section 2.5.2)

1	Description of unit	_____
2	Underflow temperature (°C)	_____
3	Total water added at the unit (l/s)	_____
4	Area of openings at unit (cm^2)	_____
5	Radius of drop pipe (cm)	_____
6	Drop length to conduit (cm)	_____
7	Open surface =1	_____
8	Subsurface entrance =1	_____
9	Subsurface exit =1	_____
10	Radius of underflow conduit (cm)	_____
11	Distance to next unit (cm)	_____
12	Slope of underflow conduit	_____
13	Fractional approach to equilibrium	_____
14	If covered, then enter 1	_____
19	Waste 1 added to system at unit number	_____
20	Waste 2 added to system at unit number	_____
21	Waste 3 added to system at unit number	_____

DEFINITIONS OF TERMS (Used in Froms 6-13)

area of openings at unit (cm^2) The area that can vent headspace gas or permit outside air to enter the collection system. This area is generally less than or equal to the area of the drop pipe opening.

area of surface (cm^2)(sump) The area of the surface exposed to the wind or to the headspace in a sump. This area generally corresponds to the physical area of the sump exposed surface horizontal cross-section.

assume equilibrium in unit, =1 If conditions are present in the unit such that equilibrium is expected (agitated surface, sealed waterfall, splash loading, low gas and liquid flow, or other factors), enter 1 as a computer flag.

cover An enclosure that prevents the exchange of ambient air and the headspace air. If there are openings in the cover, then air may be exchanged with the headspace air. The openings in the cover are specified as area of openings at unit.

covered, then enter 1. This input value is a computer program flag that specifies that the unit is sealed and outside wind will not blow across the surface of the liquid in the unit. If the unit is covered, this does not indicate that the surface of the liquid is not exposed to headspace gas.

depth of liquid in sump (cm). The depth in centimeters from the top of the liquid surface in the sump to the base of the sump. The depth is always positive.

depth of water level (cm) (J trap). The depth in centimeters from the top of the liquid surface in the water seal to the base of the water seal. This depth is always positive and would correspond to the wet distance on a dip-stick. This variable may be used for periodically active hubs.

description of unit. This is a general description that identifies the unit that is being specified. Examples can include “Tank A45", “Drain E-17", “Sewer WW4", or other description. This description will appear on some of the reports.

displacement in oscillation (cm) (J trap). Distance of surface level fluctuation in the J trap. The value of the displacement is used in an air emission model to estimate air exchange.

distance to next unit (cm). The distance of the run of the underflow conduit that connects the unit to the next unit downstream.

distance to trap liquid surface (cm) (J trap). The depth in centimeters from the top of the open hub top to the liquid surface within the J trap. The depth is always positive and would correspond to the dry distance on a dip-stick.

drop length to conduit (cm). The length in centimeters from the top of the hub in the drop pipe to the typical liquid surface in the underflow conduit. The length is always positive.

drop length to conduit (cm)(J trap). The length in centimeters from the water seal in the J trap to the typical liquid surface in the underflow conduit. The length is always positive.

flow entrance depth under surface (cm). The length between the surface of the liquid in the sump and the base of the inlet conduit. This length is always positive and represents the effective depth of flow for the mass transfer model.

fractional approach to equilibrium. The fraction of equilibrium between the liquid and the headspace in the lift station unit. The lift station model uses this value as an input parameter because analysis of laboratory data indicated that the vent gas in an enclosed unit with a waterfall was approximately 50 percent of the equilibrium value. For water falling in a more open unit, consider using the waterfall unit instead of the lift station model.

headspace. The headspace is the air over the wastewater in the enclosed underflow conduit.

municipal waste in conduit =1. This input value is a computer program flag that identifies which mass transfer model is used for the calculations. A value of zero is the default

value and the mass transfer is calculated using the trench model correlation derived from Owens. A value of 1 would calculate mass transfer through the Parkhurst-Pomeroy correlation for municipal sewers. Additional options for mass transfer options may be added in the future.

open surface =1. This input value is a computer program flag which indicates that the surface of the unit receiving the waste is open to the atmosphere. Zero is the default value (closed unit). Many of the collection system units have this option for flexibility. This flag does not refer to the underflow conduit, only to the units. The flow of headspace in the drop pipe will be of less importance if the drop pipe connects to a unit that is open.

open surface =1 (J trap). This input value is a computer program flag which indicates that the surface of the unit receiving the waste is open to the atmosphere. Zero is the default value, and it is considered very unusual to use an open J trap for discharge into a unit with an exposed surface.

open surface =1 (sump). This input value is a computer program flag which indicates that the surface of the unit receiving the waste is open to the atmosphere. Zero is the default value, and a value of 1 indicates that there are potential air emissions from wind blowing across the surface.

Grates and perforated covers are considered characteristic of an open surface.

oscillation cycle time (min). The cycle time or period of the water level rise and drop in an open water trap. Variations in the internal headspace pressure will cause water level oscillations.

radius of drop pipe (cm). The radius in centimeters of the drop pipe that connects the hub to the unit. There is no water seal on the drop pipe (see J trap).

radius of drop pipe (cm) (J trap). The radius in centimeters of the drop pipe forming a water seal in the J trap. The drop pipe connects the hub to the water seal in the J trap.

radius of underflow conduit (cm). One half the diameter of a circular exiting pipe that connects the unit to the next unit downstream. This pipe is considered closed and not exposed to leaks and air exchange with the environment during the run of the pipe. If the conduit is not closed, consider the trench model.

rise. The difference in elevation in an underflow conduit that connects collection system units.

run. The path in an underflow conduit that connects collection system units.

slope of underflow conduit. The ratio of the rise to the run in the underflow conduit. The slope is always positive and is measured from downstream to upstream in each run.

speed of air at opening (ft/min). The speed of flow into the unit at the specified unit openings (see area of openings at unit). This value is only used if a special flag is set. (See Form 6 general specifications 22. specified line vent rates, =1)

subsurface entrance =1. This input value is a computer program flag which indicates that the headspace is blocked from flowing into or out of the upstream underflow conduits. A value of zero indicates that there is no headspace blockage.

subsurface exit =1. This input value is a computer program flag which indicates that the headspace is blocked from flowing into or out of the underflow conduit downstream. A value of zero indicates that there is no headspace blockage.

total water added at the unit (l/s). This is an optional specification of the total amount of water added to the collection system at the unit. This specification is only used if water is added to the specified wastewater streams at the unit. This optional specification could be used if the total wastewater flow at the unit differed from the sum of the flows of the wastes upstream of the unit.

underflow conduit. The exiting pipe or trench that connects the unit to the next unit downstream. This conduit may be (1) closed and not exposed to leaks and air exchange with the environment during the run of the pipe, or (2) exposed to leaks and air exchange with the environment.

underflow temperature (C). The entrance temperature of the liquid into the unit. The temperature of the waste stream is specified separately.

waste added to system at unit number. The input information of waste streams into the collection system units is accomplished by specifying the waste number. The waste number refers to a data base element that includes the drop distance into the hub, the flow rate, the temperature, concentrations, the oil content, and other information.

waterfall drop height (cm). The distance from the top of the waterfall to the tailwater surface level (unit liquid underflow level). This value is always positive.

waterfall: open surface =1. The input value is a computer program flag which indicates that the waterfall is open to the atmosphere. Zero is the default value (waterfall is enclosed).

waterfall: tailwater depth (m). The depth of flow in the underflow conduit under the waterfall.

waterfall width at surface (m). The width of the waterfall across the surface at the upper liquid level. The flow rate is used with the width to estimate the thickness of the falling water film.