

STORAGE
AND
RETRIEVAL
OF
AEROMETRIC
DATA

PARAMETER CODING MANUAL

U. S. ENVIRONMENTAL PROTECTION AGENCY

950R71013

A R O A D PARAMETER CODING MANUAL

by

Donald H. Fair
John B. Clements
George B. Morgan

ENVIRONMENTAL PROTECTION AGENCY
Office of Air Programs
Research Triangle Park, N. C.
July 1971

The APTD (Air Pollution Technical Data) series of reports is issued by the Office of Air Programs, Environmental Protection Agency, to report technical data of interest to a limited number of readers. Copies of APTD reports are available free of charge to Federal employees, current contractors and grantees, and non-profit organizations - as supplies permit - from the Office of Technical Information and Publications, Environmental Protection Agency, P. O. Box 12055, Research Triangle Park, North Carolina 27711 or from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22151.

Office of Air Programs Publication No. APTD-0633

ABSTRACT

The July 1971 issue of the SAROAD Parameter Coding Manual, fourth in a series, identifies the code numbers of six of nine classes of pollutants: (1) Suspended Particulates, (2) Settled Particulates, (3) Respirable Particulates, (4) Gases and Vapors, (5) Biocides, Allergens, and Pathogens, and (6) Atmospheric and Related Parameters. Other pollutants, to be identified in the future, are: Basic Effects, Fractional Particulates, and Miscellaneous.

KEY WORDS

Aerometric Data	Atmospheric and Related Parameters
Parameter Code	Basic Effects
Pollutant Code	Fractional Particulates
Suspended Particulates	Miscellaneous
Settled Particulates	Air Monitoring
Respirable Particulates	Glossary
Gases and Vapors	Codes
Biocides, Allergens, and Pathogens	

CONTENTS

INTRODUCTION	1
Description of SAROAD System	1
Use of Manual.	3
SUSPENDED PARTICULATES	1-1
Physical Properties	1-3
Inorganic	1-7
Allergens and Biologicals	1-13
Organics by Solubility	1-17
Characteristics of Organics	1-21
Aliphatic Compounds	1-23
Aromatic Compounds	1-29
Heterocyclic Compounds	1-35
SETTLED PARTICULATES	2-1
Physical Properties	2-3
Inorganic	2-7
Allergens and Biologicals	2-15
Organics by Solubility	2-17
Characteristics of Organics	2-21
Aliphatic Compounds	2-23
Aromatic Compounds	2-29
Heterocyclic Compounds	2-35
RESPIRABLE PARTICULATES	3-1
Physical Properties	3-3
Inorganic	3-7
Allergens and Biologicals	3-13
Organics by Solubility	3-17
Characteristics of Organics	3-21
Aliphatic Compounds	3-23
Aromatic Compounds	3-29
Heterocyclic Compounds	3-35

GASES AND VAPORS.	4-1
Physical Properties	4-3
Inorganic	4-5
Aliphatic Compounds	4-11
Oxidants	4-17
Aromatic Compounds.	4-19
Heterocyclic Compounds	4-23
BIOCIDES, ALLERGENS, AND PATHOGENS	5-1
Insecticides	5-3
Miticides and Nematocides	5-9
Rodenticides and Fungicides	5-13
Herbicides and Plant Growth Regulators	5-17
Pollen	5-23
Pathogens.	5-27
ATMOSPHERIC AND RELATED PARAMETERS.	6-1
Ventilation Diffusion	6-3
Temperature, Humidity, and Degree Days	6-5
Visibility and Solar Radiation	6-7
Atmospheric Pressure	6-9
Precipitation	6-11
Weather Conditions	6-13
Electrical Phenomena	6-15
BASIC EFFECTS	} (undeveloped)
FRACTIONAL PARTICULATES	
MISCELLANEOUS	

S A R O A D

PARAMETER CODING MANUAL

INTRODUCTION

For orderly storage and retrieval of aerometric data in computer data banks, all pollutants and parameters must be classified according to some logical system of coding structure. Standardization of pollutant and parameter coding will allow free exchange of data and will eliminate the need for computer programs to convert from one coding structure to another. Standardization of coding will greatly benefit local agencies that are establishing new monitoring systems, since many of the problems associated with data handling will have been dealt with in preparation of this coding system.

This manual describes the coding system used by the Environmental Protection Agency in maintaining the National Aerometric Data Bank. It lists the codes now assigned to certain pollutants and parameters. Codings of sampler locations and methods of sampling and analysis will be given in another manual. Although the coding system is not yet complete, the information now available and given in this manual will be useful to users of the SAROAD system. When coding of the three remaining major classes of pollutants and parameters is complete, the assigned coding will then be distributed.

DESCRIPTION OF SAROAD SYSTEM

The SAROAD system divides aerometric pollutants and parameters into nine major classes, defined as follows:

1. Suspended Particulates - Solid particles or liquid droplets with effective diameters less than approximately 100 microns. Such particles have low settling velocities under average meteorological conditions and therefore tend to remain airborne.

2. **Settled Particulates** - Solid particles or liquid droplets of such size and density that gravitational deposition is the principal mechanism for removal from the atmosphere, usually at a relatively short distance from the source. These are also referred to as settleable particulates.
3. **Respirable Particulates** - Particles of size range, density, and aerodynamic properties that tend to be inhaled and trapped in the lower respiratory system.
4. **Gases and Vapors** - Substances that normally exist in a gaseous state at ambient temperatures and pressures or that evolve from liquids that tend to volatilize under these conditions.
5. **Biocides, Allergens, and Pathogens** -
Biocides - Commercial chemical preparations for control of selected plant, animal, or insect life forms.
Allergens - Airborne substances, frequently of plant origin, that induce allergic reactions.
Pathogens - Viable airborne micro-organisms or infective agents that can cause disease.
6. **Atmospheric and Related Parameters** - Basic meteorological parameters such as wind speed, wind direction, and relative humidity; also ground surface conditions that relate to these parameters.
7. **Basic Effects** - Effects of individual pollutants or any combination thereof on human health and safety, animals, vegetation, materials, and esthetic values.
8. **Fractional Particulates** - Particle size ranges of suspended particulates and relationships to such parameters as composition, visibility, soiling, and synergistic activity.
9. **Miscellaneous** - This category will include any data not assignable to other specific categories.

Each major class is divided into nine subclasses, and each subclass is further divided into nine families; each family may contain up to 99 individual pollutants or parameters. This family-tree type of organization makes possible the assignment of a five-digit code number to over 72,000 different aerometric pollutants and parameters.

In the SAROAD system codes are assigned to a pollutant or parameter by a logical progression of steps. First, the proper major class is determined for the pollutant or parameter to be coded. The digit assigned to the selected major class is used as the first digit of the five-digit code. Next, the subclasses of the chosen major class are considered, and the most appropriate one is selected. The digit assigned to the subclass is assigned as the second digit of the five-digit code. The families of the selected subclass are then considered, a selection is made, and the digit assigned this family is used as the third digit of the five-digit code. Families can accommodate 99 entries, since two digits are available. Assignment of these two digits in the family is made arbitrarily in any convenient manner.

USE OF MANUAL

An example of assignment of a code is presented to enhance the user's understanding of the SAROAD system and to show how he can use this manual to find codes already assigned. The nine major classes and their subclasses are listed in the Contents. The page designated for each subclass gives a flow diagram with a moving arrow arrangement to direct the reader to the families available in each subclass. The entries in each family then are searched for the pollutant or parameter of interest. The flow chart also gives the digits assigned to each major class, subclass, and family; these are the digits used in developing pollutant or parameter codes.

Consider the example of coding the lead content of suspended particulate matter. Selection of "Suspended Particulates" as the major class is clear. All subclasses for suspended particulates listed in the Contents are then considered; since lead is inorganic, the subclass "Inorganic" is chosen. One then determines that page 1-7 should be consulted for review of the available families. After reviewing the eight families and considering that all forms of lead are measured, one then determines that the family "Total Element (Free and Combined)" should be searched for the pollutant lead. At this point the first three digits of the five-digit code can be assigned; they are 121. One then searches pages 1-8 through 1-10 and finds that lead is listed on page 1-8 as the 28th entry in the family. All five digits are now available; the full code for lead in suspended particulate matter is 12128.

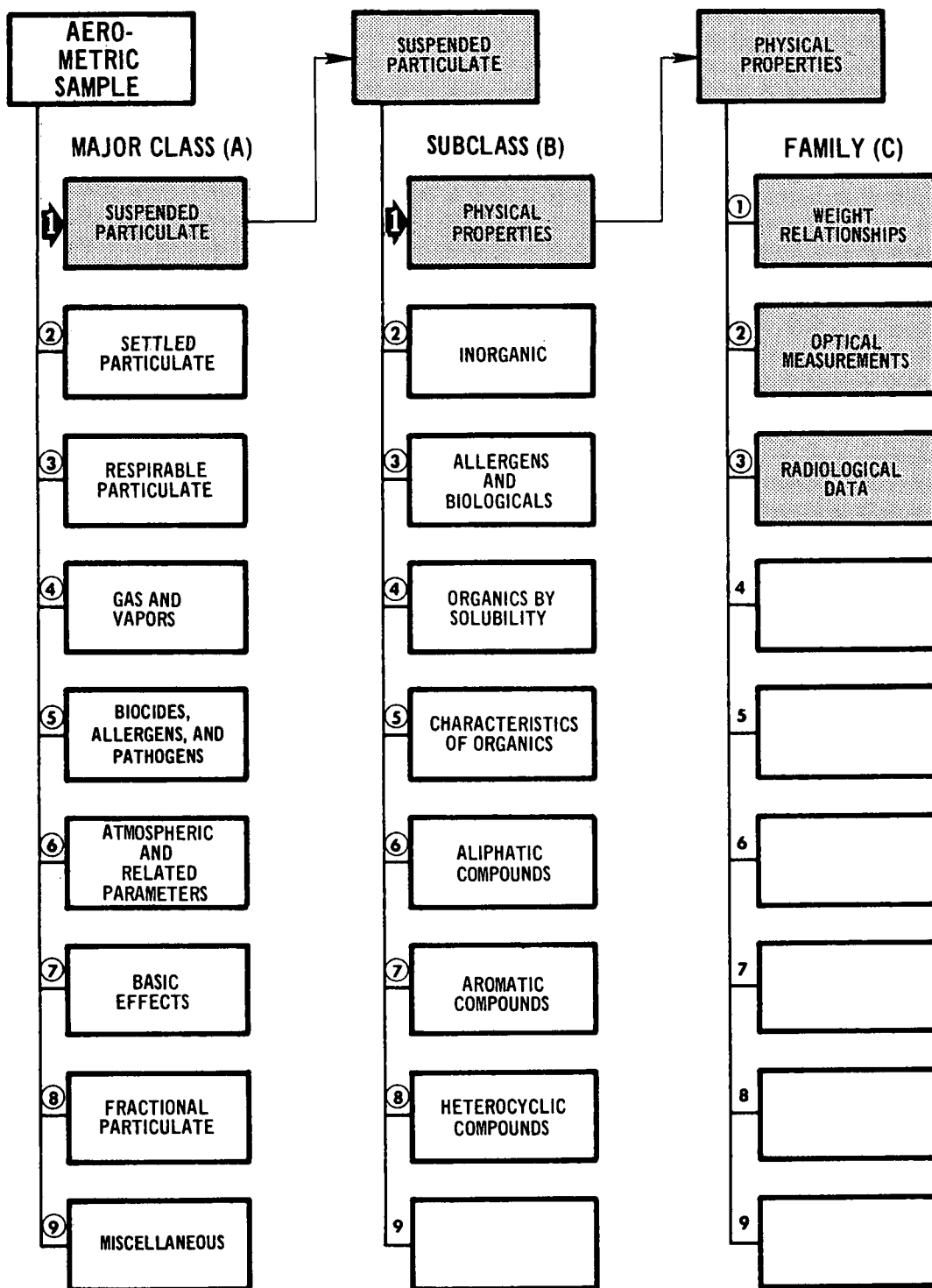
Should a user of this manual have difficulty locating a code for a pollutant or parameter of interest or should he wish a code assigned to a pollutant or parameter not listed, he is encouraged to contact the authors for assistance.

SUSPENDED PARTICULATES

Pollutant or Parameter	Code number	Page number
SUSPENDED PARTICULATES	1	1-1
PHYSICAL PROPERTIES (chart)	11	1-3
Weight Relationships	111	1-4
Optical Measurements	112	1-4
Radiological Data	113	1-4
INORGANIC (chart)	12	1-7
Total Element (Free and Combined)	121	1-8
Group VII Compounds and Ions	122	1-10
Group V Compounds and Ions	123	1-11
Group VI Compounds and Ions	124	1-11
Group IV Compounds and Ions	125	1-11
Acids and Bases	126	1-12
Organo-Metallic Compounds and Ions	127	1-12
Miscellaneous	128	1-12
ALLERGENS AND BIOLOGICALS (chart)	13	1-13
Pollen	131	1-14
Spores and Fungi	132	1-14
ORGANICS BY SOLUBILITY (chart)	14	1-17
Benzene Soluble	141	1-18
Chloroform Soluble	142	1-18
Acetone Soluble	143	1-18
Ethyl Ether Soluble	144	1-19
<u>Iso</u> -Octane Soluble	145	1-19
CHARACTERISTICS OF ORGANICS (chart)	15	1-21
Combustible	151	1-22
Water Soluble	157	1-22
Water Insoluble	153	1-22
Acid Soluble	154	1-22
Acid Insoluble	155	1-22
Alkali Soluble	156	1-22
Alkali Insoluble	157	1-22

Pollutant or Parameter	Code number	Page number
SUSPENDED PARTICULATES		
ALIPHATIC COMPOUNDS (chart)	16	1-23
Gross Hydrocarbons	161	1-24
Hydrocarbons	162	1-24
Alchols and Esters	163	1-24
Carboxylic Acids and Esters	164	1-25
Aldehydes and Ketones	165	1-26
Other Oxygen Compounds	166	1-27
Nitrogen Compounds	167	1-27
Halogen Compounds	168	1-27
Miscellaneous	169	1-27
AROMATIC COMPOUNDS (chart)	17	1-29
Simple and Gross Hydrocarbons	171	1-30
Complex Hydrocarbons	172	1-31
Phenols and Ethers	173	1-32
Carboxylic Acids and Esters	174	1-33
Aldehydes and Ketones	175	1-33
Other Oxygen Compounds	176	1-33
Nitrogen Compounds	177	1-33
Halogen Compounds	178	1-33
Miscellaneous	179	1-33
HETEROCYCLIC COMPOUNDS (chart)	18	1-35
Nitrogen Compounds	181	1-36
Oxygen Compounds	182	1-36
Sulfur Compounds	183	1-36
Nitrogen and Oxygen Compounds	184	1-36
Sulfur and Oxygen Compounds	185	1-36
Sulfur and Nitrogen Compounds	186	1-36
Other	187	1-36

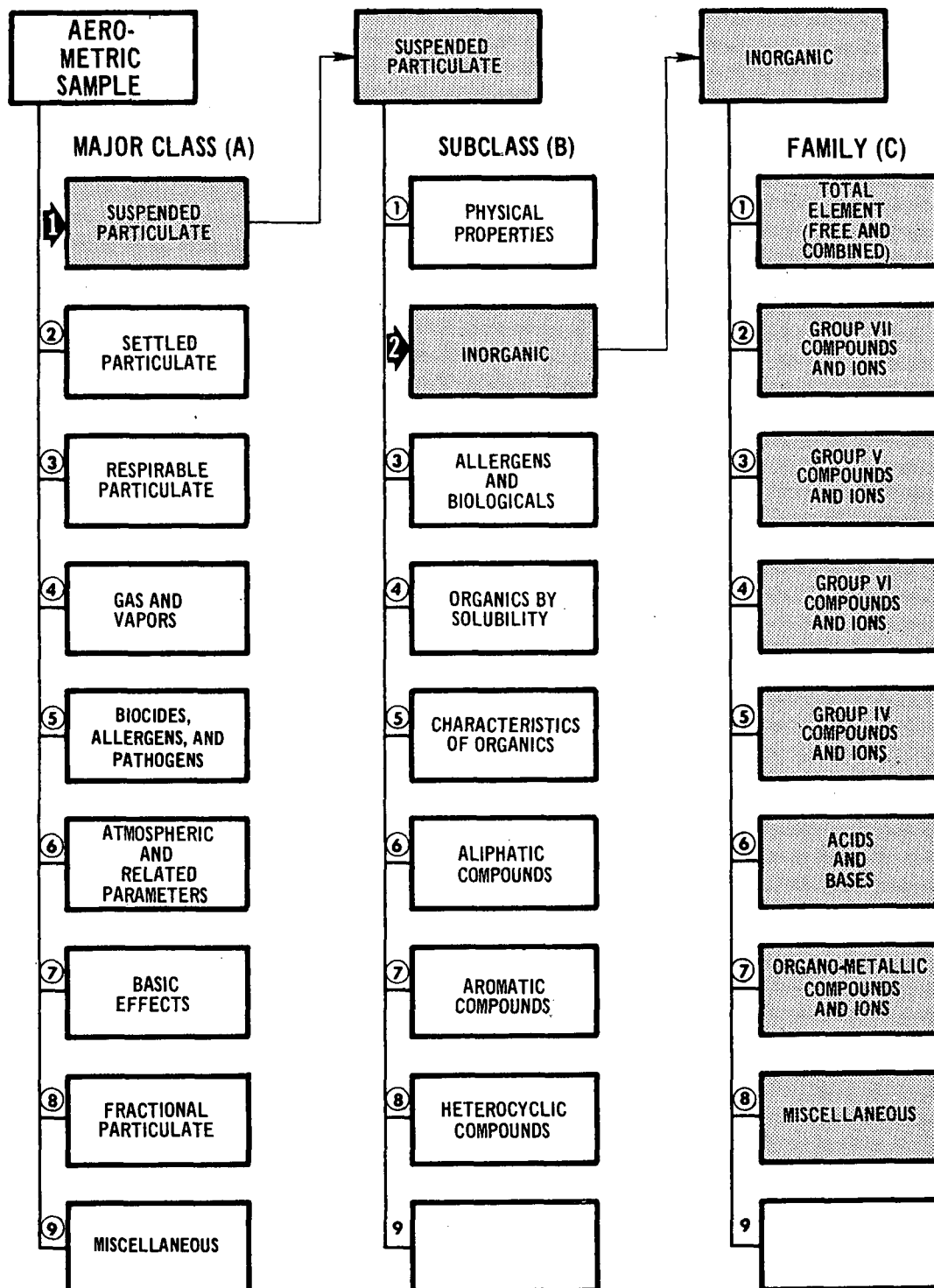
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
PHYSICAL PROPERTIES	11
Weight Relationships	111
Particulate	11101
Organic (total) fraction	11102
Benzene soluble organic fraction	11103
Polynuclear hydrocarbons	11104
Water soluble organics	11105
Amine B	11106
Strong acid	11107
Weak acid	11108
Neutral fraction	11109
Aliphatic fraction	11110
Aromatic fraction	11111
Oxygenated neutral fraction	11112
Inorganic fraction	11113
Optical Measurements	112
Soiling index (transmission)	11201
Soiling index (reflectance)	11202
Light scatter	11203
Radiological Data	113
Alpha (gross)	11301
Beta (gross)	11302
Gamma	11303
Neutron	11304
Gross	11305
Argon - 41	11306
Barium - 140	11307
Carbon - 14	11308
Cerium - 141	11309
Cerium - 142	11310
Cerium - 144	11311
Cesium - 137	11312
Cobalt - 60	11313
Hydrogen - 3 (Tritium)	11314
Iodine - 126	11315
Iodine - 131	11316
Krypton - 81-85	11317
Lanthanum - 140	11318

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
PHYSICAL PROPERTIES	11
Radiological Data	113
Molybdenum - 93	11319
Niobium - 95	11320
Palladium - 107	11321
Plutonium - 239	11322
Potassium - 40	11323
Potassium - 42	11324
Praseodymium - 144	11325
Radium - 226	11326
Radon - 222	11327
Rare earth elements	11328
Rhodium - 102	11329
Rubidium - 85	11330
Ruthenium - 97-103	11331
Strontium - 89	11332
Strontium - 90	11333
Thallium - 204	11334
Thorium - 232	11335
Tungsten - 138	11336
Uranium - 235	11337
Uranium - 238	11338
Xenon - 133	11339
Yttrium - 90	11340
Zinc - 65	11341
Lead - 210	11342

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
INORGANIC	12
Total Element (Free and Combined)	121
Aluminum	12101
Antimony	12102
Arsenic	12103
Argon	12104
Beryllium	12105
Bismuth	12106
Barium	12107
Boron	12108
Bromine	12109
Cadmium	12110
Calcium	12111
Chromium	12112
Cobalt	12113
Copper	12114
Chlorine	12115
Carbon	12116
Cerium	12117
Cesium	12118
Dysprosium	12119
Erbium	12120
Europium	12121
Fluorine	12122
Gadolinium	12123
Gallium	12124
Germanium	12125
Iron	12126
Hafnium	12127
Lead	12128
Holmium	12129
Hydrogen	12130
Indium	12131
Manganese	12132
Iridium	12133
Molybdenum	12134
Krypton	12135
Nickel	12136

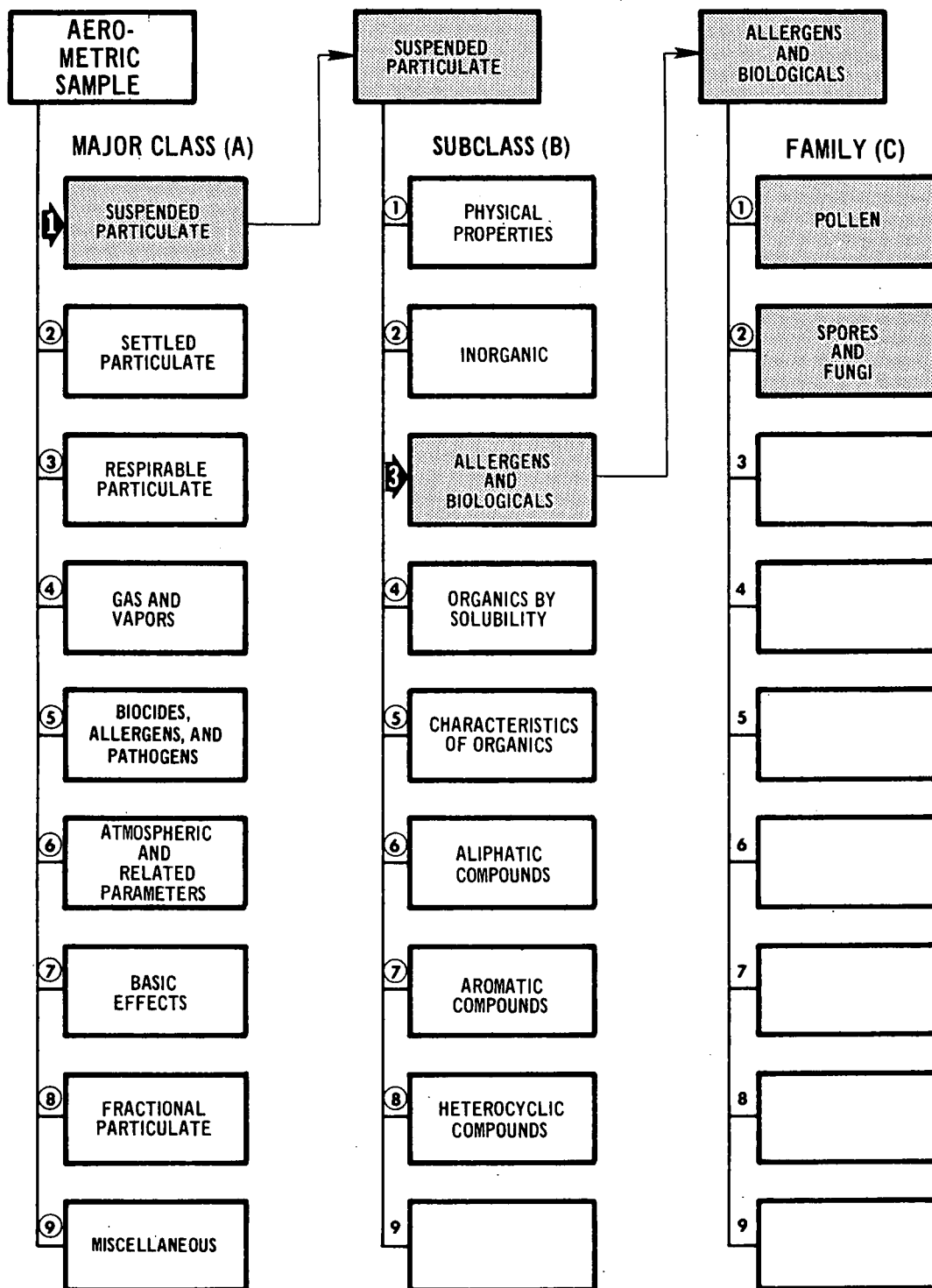
POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
INORGANIC	12
Total Element (Free and Combined)	121
Helium	12137
Lithium	12138
Lutetium	12139
Magnesium	12140
Iodine	12141
Mercury	12142
Gold	12143
Neodymium	12144
Neon	12145
Lanthanum	12146
Niobium	12147
Nitrogen	12148
Osmium	12149
Oxygen	12150
Palladium	12151
Phosphorus	12152
Platinum	12153
Selenium	12154
Praseodymium	12155
Protactinium	12156
Radium	12157
Rhenium	12158
Rhodium	12159
Tin	12160
Titanium	12161
Samarium	12162
Scandium	12163
Vanadium	12164
Silicon	12165
Silver	12166
Zinc	12167
Strontium	12168
Sulfur	12169
Tantalum	12170
Tellurium	12171

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
INORGANIC	12
Total Element (Free and Combined)	121
Terbium	12172
Thallium	12173
Thorium	12174
Thulium	12175
Rubidium	12176
Ruthenium	12177
Tungsten	12178
Uranium	12179
Potassium	12180
Xenon	12181
Ytterbium	12182
Yttrium	12183
Sodium	12184
Zirconium	12185
Group VII Compounds and Ions	122
Bromide ion	12201
Fluoride ion	12202
Chloride ion	12203
Iodide ion	12204
Chlorate ion	12205
Perchlorate ion	12206
Bromate ion	12207
Sodium chloride	12210
Potassium chloride	12211
Calcium chloride	12212
Ammonium chloride	12213
Aluminum chloride	12214
Sodium bromide	12230
Potassium bromide	12231
Sodium iodide	12250
Potassium iodide	12251
Potassium fluoride	12270
Sodium fluoride	12271
Sodium fluorosilicate	12275
Calcium fluorosilicate	12276

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
INORGANIC	12
Group V Compounds and Ions	123
Ammonium ion	12301
Cyanide ion	12304
Nitrate ion	12306
Nitrite ion	12309
Hydrazine	12310
Hydrazoic acid	12311
Ammonium chloride	12320
Ammonium nitrate	12321
Ammonium sulfate	12322
Phosphoric acid	12340
Calcium phosphate	12341
Phosphorous pentasulfide	12342
Phosphate ion	12345
Hydrogen phosphate ion	12346
Dihydrogen phosphate ion	12347
Group VI Compounds and Ions	124
Sulfide ion	12401
Sulfuric acid	12402
Sulfate ion	12403
Thiosulfate ion	12404
Sulfite ion	12410
Ferrous sulfide	12411
Ferric sulfide	12412
Ferrous sulfate	12413
Ferric sulfate	12414
Barium sulfate	12415
Chromium trioxide	12417
Sodium dichromate	12418
Zinc oxide	12430
Aluminum oxide	12431
Water	12450
Group IV Compounds and Ions	125
Carbonate ion	12501
Bicarbonate ion	12502
Carbon boride	12510
Silicon carbide	12511

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
INORGANIC	12
Group IV Compounds and Ions	125
Silicate ion	12550
Silicon dioxide	12551
Acids and Bases	126
Total acidity H+	12601
Hydrogen ion concentration pH	12602
Bicarbonate ion	12603
Sulfuric acid	12604
Nitric acid	12605
Hydrochloric acid	12606
Total alkalinity	12650
Hydroxide ion concentration	12651
Carbonate ion	12652
Calcium hydroxide	12653
Organo-Metallic Compounds and Ions	127
Miscellaneous	128

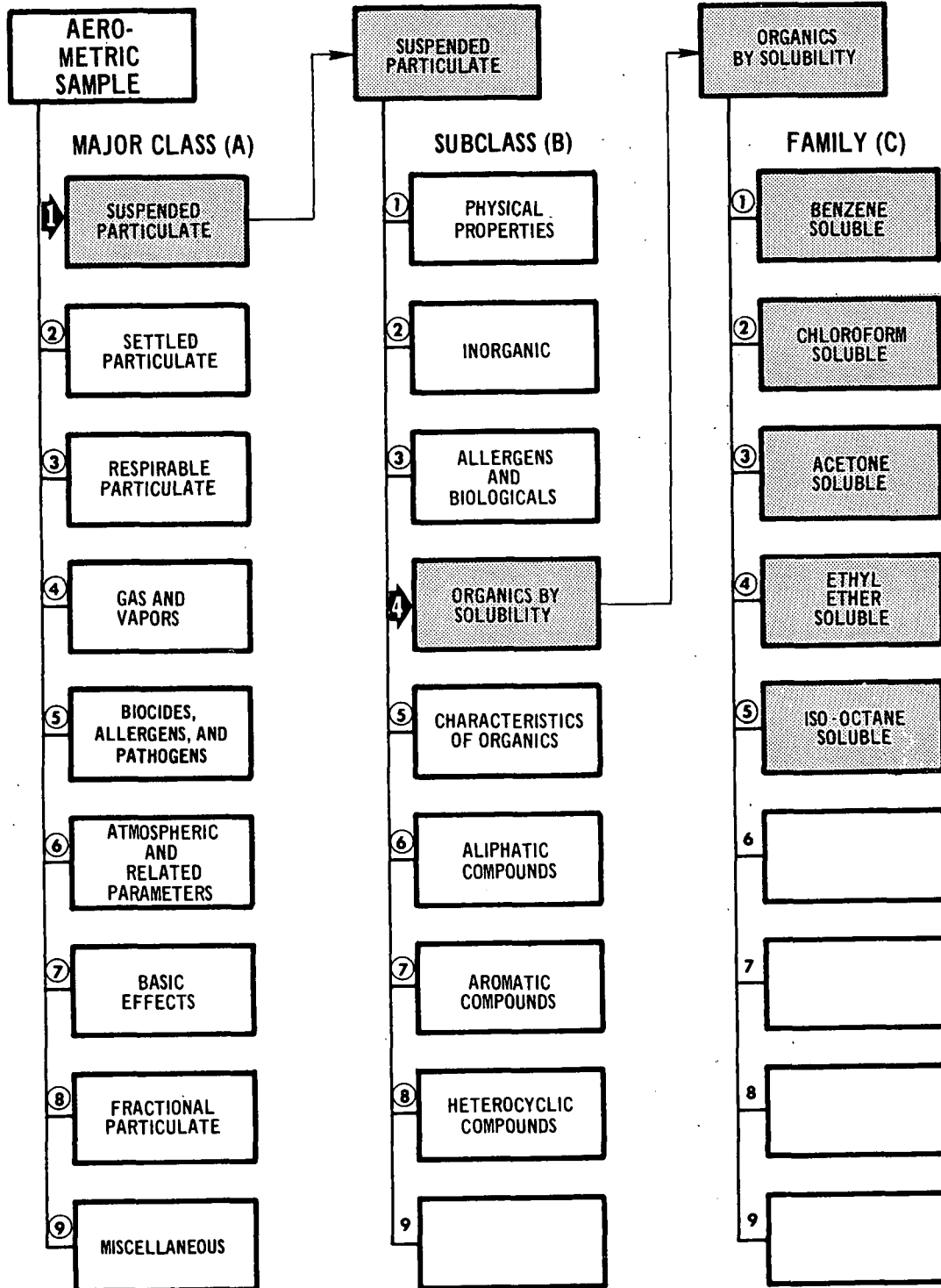
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALLERGENS AND BIOLOGICALS	13
Pollen	131
Abies	13101
Aren	13102
Amaranthacea	13103
Ambrosia	13104
Artemisia	13105
Betulaceae	13106
Carya	13107
Chenopodiaceae	13108
Cyperaceae	13109
Fagus	13110
Gramineae	13111
Iva	13112
Iva xanthifolia	13113
Juglans	13114
Juniperus	13115
Myricaceae	13116
Picea	13117
Pinus	13118
Plantago	13119
Plantanus	13120
Populus	13121
Quercus	13122
Rumex	13123
Salix	13124
Solidago	13125
Tilia	13126
Tsuga	13127
Ulmus	13128
Spores and Fungi	132
Algae spores	13201
Yeast spores (blastomycetes)	13202
Saccharomycetes	13203
Fungi spores (eumycetes)	13204
Pichia spores	13205
Schizomycetes	13206
Endomyces sp	13207

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALLERGENS AND BIOLOGICALS	13
Spores and Fungi	132
Oospora sp	13208
Phycomycetes	13209
Basidiomycetes	13210
Ascomycetes	13211
Fungi imperfecti	13212
Mucedinaceae	13213
Dematiaceae	13214

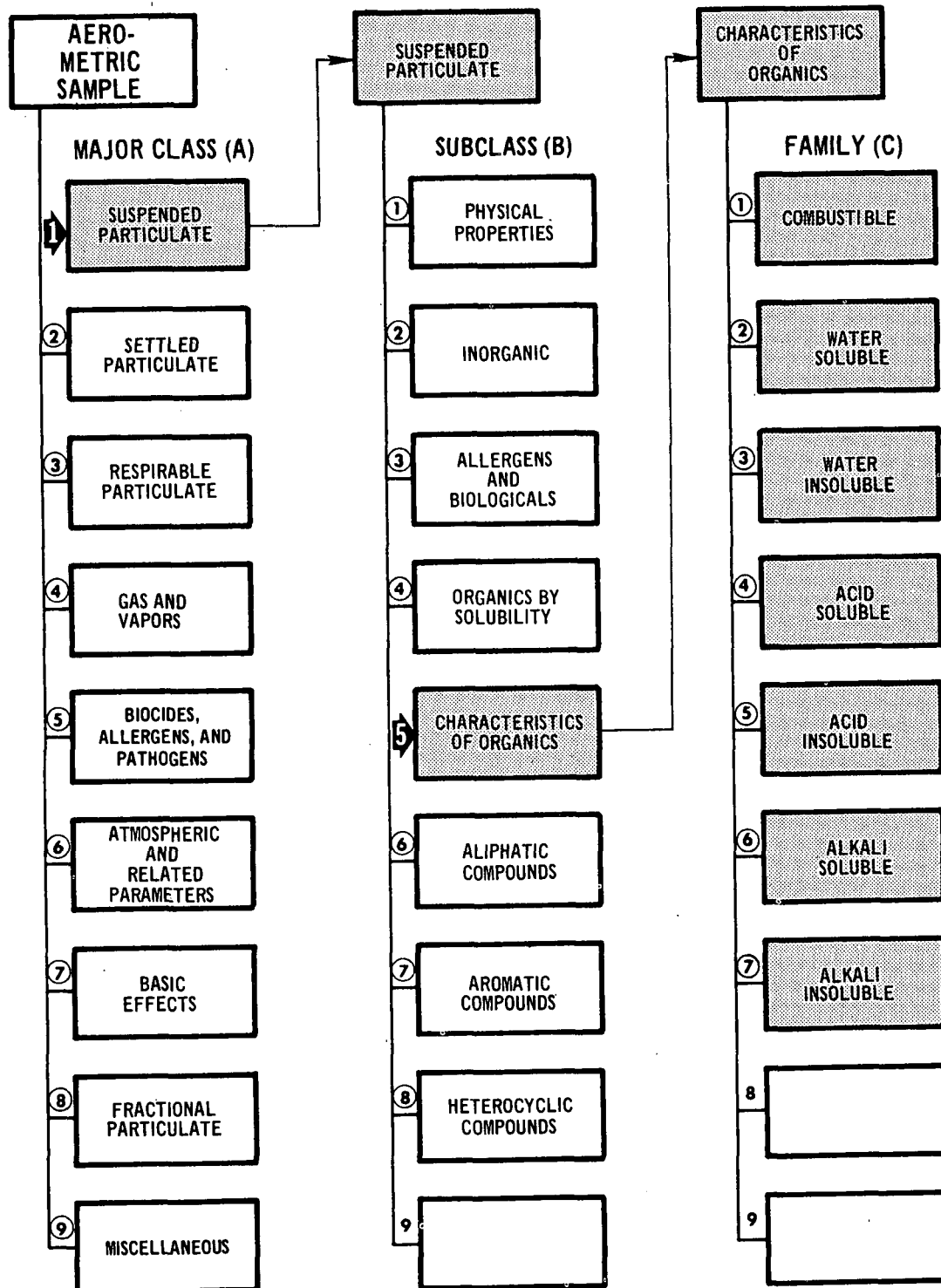
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ORGANICS BY SOLUBILITY	14
Benzene Soluble	141
Total benzene soluble organics	14101
Aliphatic fraction	14102
Aromatic fraction	14103
Acid extract fraction	14104
Amine group fraction	14105
Neutral fraction	14106
Weak acid fraction	14107
Strong acid fraction	14108
Water soluble fraction	14109
Water-ether insoluble	14110
Oxygenated fraction	14111
Chloroform Soluble	142
Total chloroform soluble organics	14201
Aliphatic fraction	14202
Aromatic fraction	14203
Acid extract fraction	14204
Amine group fraction	14205
Neutral fraction	14206
Weak acid fraction	14207
Strong acid fraction	14208
Water soluble fraction	14209
Water-ether insoluble	14210
Oxygenated fraction	14211
Acetone Soluble	143
Total acetone soluble organics	14301
Aliphatic fraction	14302
Aromatic fraction	14303
Acid extract fraction	14304
Amine group fraction	14305
Neutral fraction	14306
Weak acid fraction	14307
Strong acid fraction	14308
Water soluble fraction	14309
Water-ether insoluble	14310
Oxygenated fraction	14311

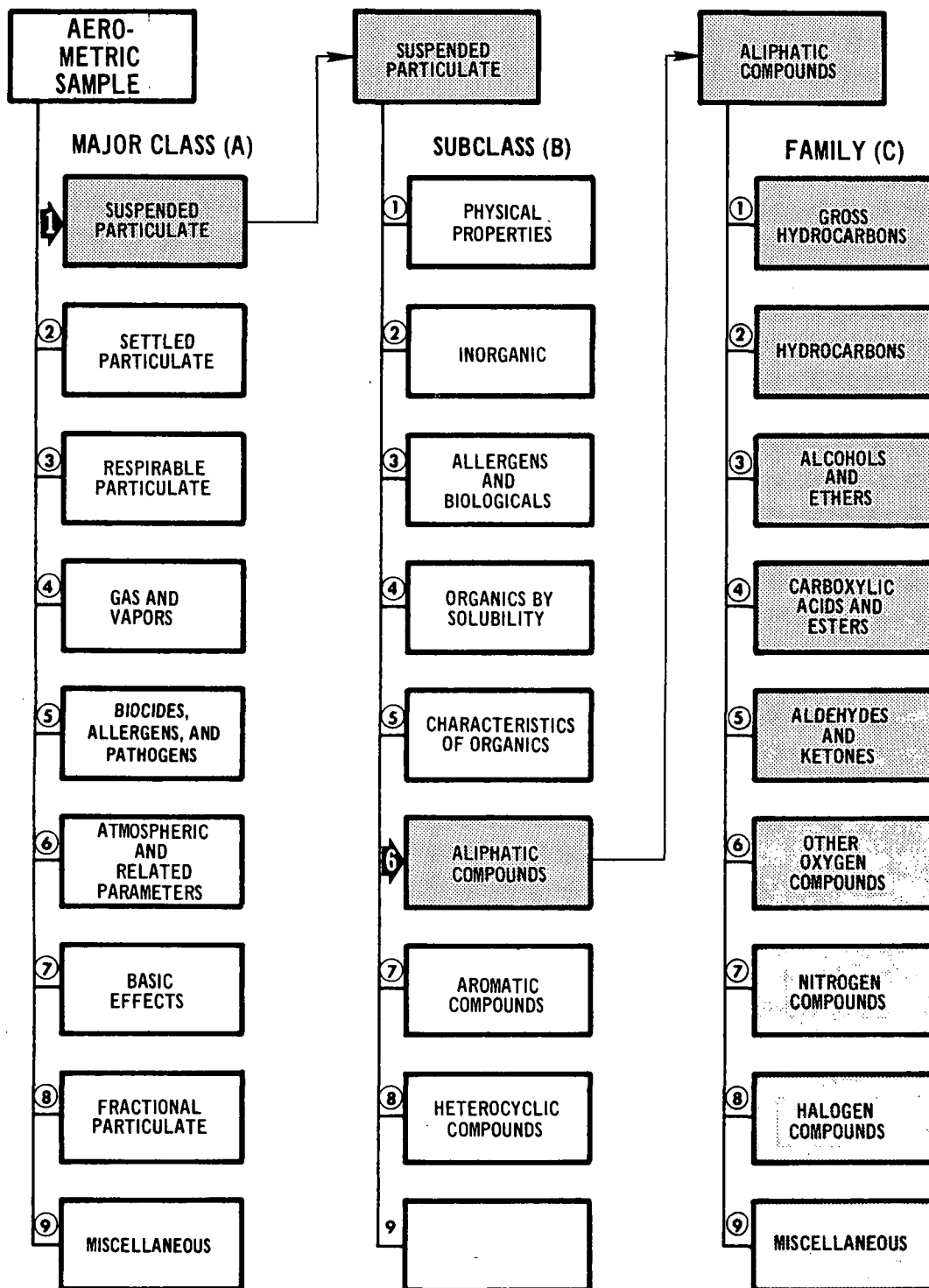
POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ORGANICS BY SOLUBILITY	14
Ethyl Ether Soluble	144
Total ethyl ether soluble organics	14401
Aliphatic fraction	14402
Aromatic fraction	14403
Acid extract fraction	14404
Amine group fraction	14405
Neutral fraction	14406
Weak acid fraction	14407
Strong acid fraction	14408
Water soluble fraction	14409
Water-ether insoluble	14410
Oxygenated fraction	14411
<u>Iso-Octane Soluble</u>	145
Total iso-octane soluble organics	14501
Aliphatic fraction	14502
Aromatic fraction	14503
Acid extract fraction	14504
Amine group fraction	14505
Neutral fraction	14506
Weak acid fraction	14507
Strong acid fraction	14508
Water soluble fraction	14509
Water-ether insoluble	14510
Oxygenated fraction	14511

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
CHARACTERISTICS OF ORGANICS	15
Combustible	151
Loss on 500 degrees centigrade ignition	15101
Residue after ignition	15102
Water Soluble	152
Water Insoluble	153
Acid Soluble	154
Acid Insoluble	155
Alkali Soluble	156
Alkali Insoluble	157

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



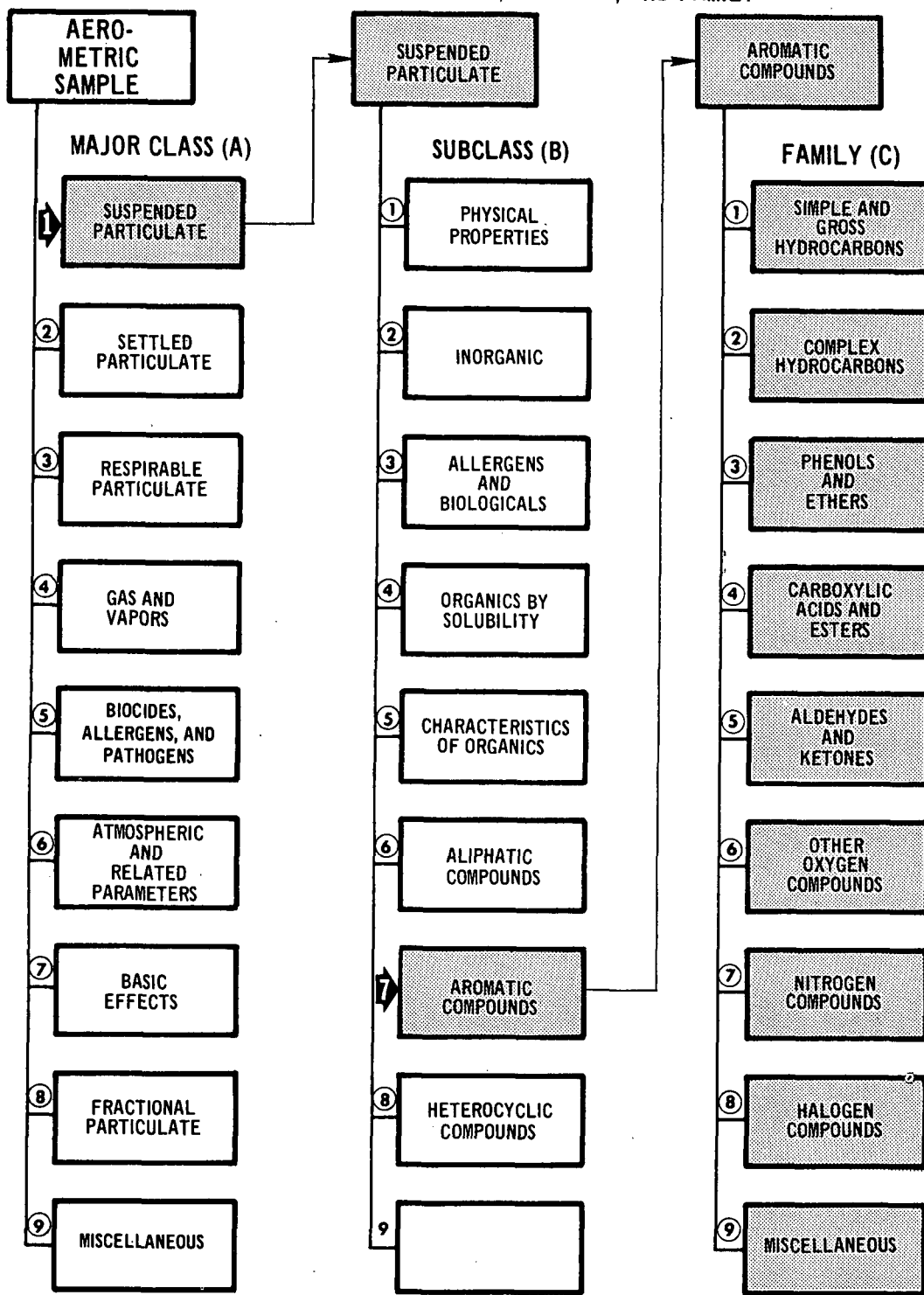
POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALIPHATIC COMPOUNDS	16
Gross Hydrocarbons	161
Hydrocarbons	162
Heptane	16201
Octane	16202
Nonane	16203
Decane	16204
Undecane	16205
Dodecane	16206
Tridecane	16207
Tetradecane	16208
Pentadecane	16209
Hexadecane	16210
Heptadecane	16211
Octadecane	16212
Nonadecane	16213
Eicosane	16214
Heneicosane	16215
Docosane	16216
Tricosane	16217
Tetracosane	16218
Pentacosane	16219
Hexacosane	16220
Heptacosane	16221
Octacosane	16222
Cyclohexane	16223
Cycloheptane	16224
Cyclooctane	16225
Heptene-1	16226
Octene-1	16227
Alcohols and Ethers	163
Butyl alcohol	16301
<u>iso</u> -butyl alcohol	16302
<u>sec</u> -butyl alcohol	16303
<u>tert</u> -butyl alcohol	16304
n-amyl alcohol	16305
<u>iso</u> -amyl alcohol	16306
<u>tert</u> -amyl alcohol	16307

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALIPHATIC COMPOUNDS	16
Alcohols and Ethers	163
<u>n</u> -hexyl alcohol	16308
Cyclohexanol	16309
<u>n</u> -octyl alcohol	16310
Capryl alcohol (octanol-2)	16311
Decyl alcohol	16312
Lauryl alcohol	16313
Myristyl alcohol	16314
Cetyl alcohol	16315
Stearyl alcohol	16316
Di- <u>n</u> -butyl ether	16340
Di- <u>n</u> -amyl ether	16341
Di- <u>iso</u> -amyl ether	16342
Di- <u>n</u> -hexyl ether	16343
Di-chloromethyl ether	16344
Di-(β -chloroethyl) ether	16346
Ethylene glycol dimethyl ether	16347
Divinyl ether	16348
Diallyl ether	16349
Carboxylic Acids and Esters	164
Propionic acid	16401
N-butyric acid	16402
<u>iso</u> -butyric acid	16403
<u>n</u> -valeric acid	16404
Trimethylacetic acid	16405
Caproic acid	16406
<u>n</u> -heptylic acid	16407
Caprylic acid	16408
Pelargonic acid	16409
Fluoroacetic acid	16410
Chloroacetic acid	16411
Bromoacetic acid	16412
Iodoacetic acid	16413
Dichloroacetic acid	16414
Trichloroacetic acid	16415
α -chloropropionic acid	16416

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALIPHATIC COMPOUNDS	16
Carboxylic Acids and Esthers	164
β -chloropropionic acid	16417
Glycolic acid	16418
Lactic acid	16419
Methoxyacetic acid	16420
Thioglycolic acid	16421
Cyanoacetic acid	16422
Glyoxylic acid	16423
Acrylic acid	16425
Vinylacetic acid	16426
Phenylacetic acid	16427
Formic acid	16428
Acetic acid	16429
Crotonic acid	16430
Oxalic acid	16431
Malonic acid	16432
Succinic acid	16433
Glutaric acid	16434
Adipic acid	16435
Pimelic acid	16436
Suberic acid	16437
Azelaic acid	16438
Sebacic acid	16439
Aldehydes and Ketones	165
Caproaldehyde	16501
Heptaldehyde	16502
Hexanone-2	16504
Hexanone-3	16505
Di- <u>n</u> -propyl ketone	16506
Di- <u>iso</u> -propyl ketone	16507
Di- <u>iso</u> -butyl ketone	16508
Di- <u>n</u> -amyl ketone	16509
Stearone	16510
Chloroacetone	16511
Dichloroacetone	16512
Acetylacetone	16513
Mesityl oxide	16514

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
ALIPHATIC COMPOUNDS	16
Aldehydes and Ketones	165
Phorone	16515
Cyclohexanone	16516
Acrolein	16517
Other Oxygen Compounds	166
Nitrogen Compounds	167
Tri- <u>n</u> -propylamine	16701
Hexylamine	16702
Laurylamine	16703
Trimethylenediamine	16704
Tetramethylenediamine	16705
Pentamethylenediamine	16706
Hexamethylenediamine	16707
Ethanolamine	16708
Diethanolamine	16709
Triethanolamine	16710
Acrylonitrile	16711
Halogen Compounds	168
Methylene iodide	16801
Bromoform	16802
Carbon tetrabromide	16803
Ethylene dibromide	16804
1,1-dibromoethane	16805
1,1,2,2-tetrachloroethane	16806
Hexachloroethane	16807
1,3-dibromopropane	16808
1,4-dibromobutane	16809
1,5-dibromopentane	16810
1,6-dibromohexane	16811
Miscellaneous	169

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



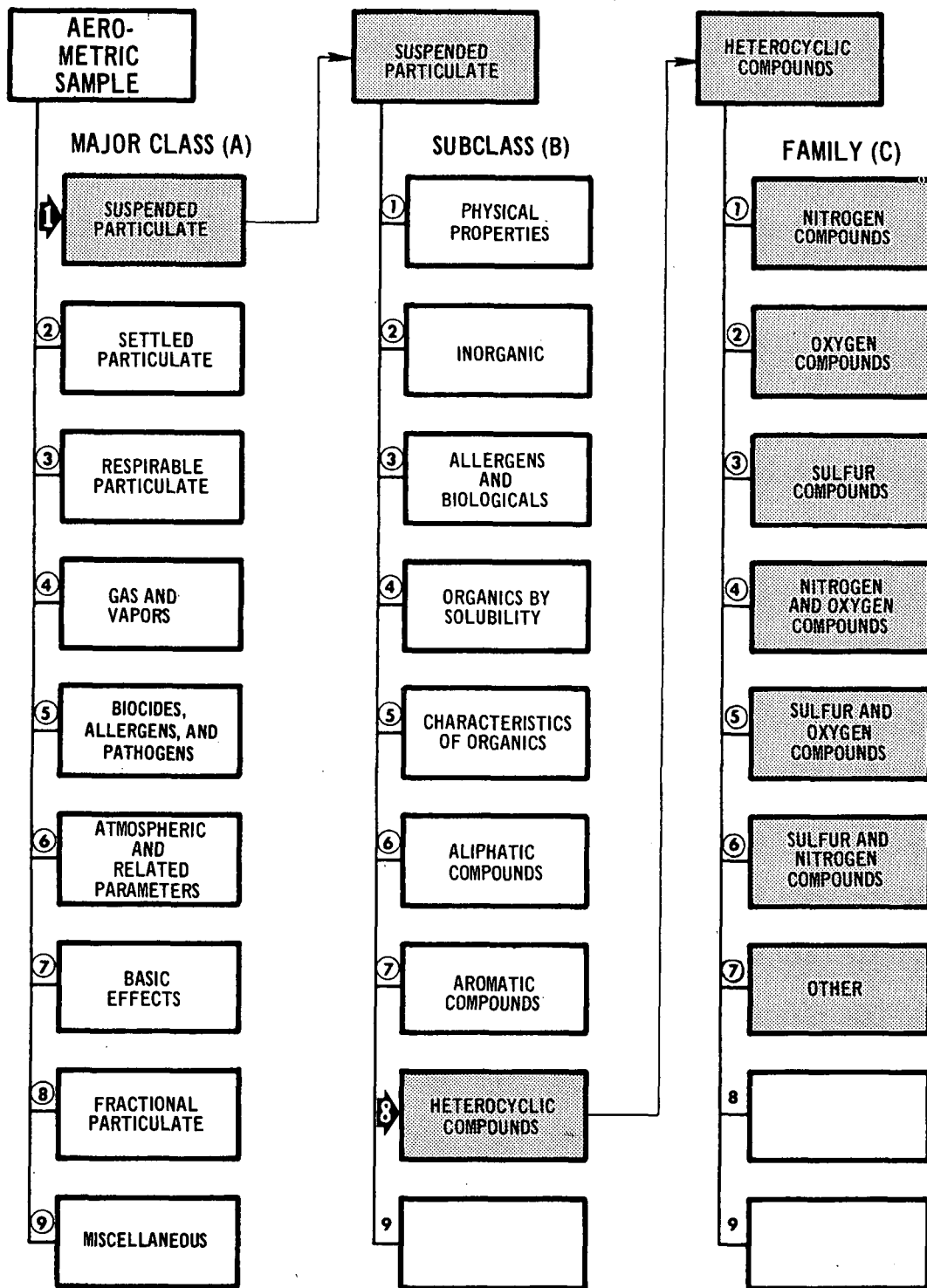
POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
AROMATIC COMPOUNDS	17
Simple and Gross Hydrocarbons	171
Benzene	17101
Toluene	17102
Ethylbenzene	17103
<u>n</u> -propylbenzene	17104
<u>iso</u> -propylbenzene	17105
<u>n</u> -butylbenzene	17106
<u>sec</u> -butylbenzene	17107
<u>tert</u> -butylbenzene	17108
Styrene	17109
Allylbenzene	17110
<u>o</u> -xylene	17111
<u>m</u> -xylene	17112
<u>p</u> -xylene	17113
<u>o</u> -ethyltoluene	17114
<u>m</u> -ethyltoluene	17115
<u>p</u> -ethyltoluene	17116
<u>p</u> -cymene	17117
<u>o</u> -diethylbenzene	17118
<u>m</u> -diethylbenzene	17119
<u>p</u> -diethylbenzene	17120
1,2,3-trimethylbenzene (hemimellitene)	17121
1,2,4-trimethylbenzene (pseudocumene)	17122
1,3,5-trimethylbenzene (mesitylene)	17123
1,2,3,4-tetramethylbenzene (prehnitene)	17124
1,2,3,5-tetramethylbenzene (isodurene)	17125
1,2,4,5-tetramethylbenzene (durene)	17126
Pentamethylbenzene	17127
Hexamethylbenzene	17128
1,3,5-triethylbenzene	17129
Diphenylmethane	17131
Triphenylmethane	17132
Tetraphenylmethane	17133
Stilbene	17134
1,1-diphenylethane	17135
1,2-diphenylethane	17136

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
AROMATIC COMPOUNDS	17
Simple and Gross Hydrocarbons	171
Diphenyl	17137
p-terphenyl	17138
p-quaterphenyl	17139
1,3,5-triphenylbenzene	17140
Naphthalene	17141
α -methylnaphthalene	17142
β -methylnaphthalene	17143
Indene	17145
Azulene	17146
Acenaphthene	17147
Acenaphthalene	17148
Fluorene	17149
Phenanthrene	17150
Anthracene	17151
2-methylanthracene	17152
Complex Hydrocarbons	172
Fluoranthene	17201
8-methylfluoranthene	17202
Pyrene	17204
1-methylpyrene	17205
4-methylpyrene	17206
2,7-dimethylpyrene	17207
Chrysene	17208
Anthanthrene	17210
Coronene	17211
Perylene	17212
Naphthacene	17213
Benzo(c)phenanthrene	17214
Benzo(a)anthracene	17215
11-h Benzo(b)fluorene	17216
11-h Benzo(a)fluorene	17217
7-h Benzo(c)fluorene	17218
Dibenzo(a,i)fluorene	17219
Benzo(b)fluoranthene	17220
Benzo(g,h,i)fluoranthene	17221

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
AROMATIC COMPOUNDS	17
Complex Hydrocarbons	172
Benzo(j)fluoranthene	17222
Benzo(k)fluoranthene	17223
Benzo(e)pyrene	17224
Naphtho(2,3-a)pyrene	17226
Dibenzo(a,e)pyrene	17227
Dibenzo(a,i)pyrene	17228
Dibenzo(a,h)pyrene	17229
Dibenzo(b,h)phenanthrene	17230
Dibenzo(a,h)anthracene	17231
Tribenzo(a,c,h)anthracene	17232
Benzo(a)naphthacene	17233
Dibenzo(a,l)naphthacene	17234
Dibenzo(a,j)naphthacene	17235
Dibenzo(a,c)naphthacene	17236
Benzo(g,h,i)perylene	17237
Dibenzo(b,p,g,r)perylene	17238
Benzo(a)pyrene	17242
Phenols and Ethers	173
<u>o</u> -cresol	17301
<u>m</u> -cresol	17302
<u>p</u> -cresol	17303
<u>o</u> -chlorophenol	17304
<u>m</u> -chlorophenol	17305
<u>p</u> -chlorophenol	17306
<u>o</u> -bromophenol	17307
<u>m</u> -bromophenol	17308
<u>p</u> -bromophenol	17309
<u>o</u> -nitrophenol	17310
<u>m</u> -nitrophenol	17311
<u>p</u> -nitrophenol	17312
2,4-dinitrophenol	17313
3,5-dinitrophenol	17314
Resorcinol	17315
Hydroquinone	17316
Catechol	17317
Pyrogallol	17318

POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
AROMATIC COMPOUNDS	17
Phenols and Ethers	173
Phloroglucinol	17319
Anisole	17340
Phenetole	17341
Diphenyl ether	17342
<u>o</u> -anisidine	17343
<u>p</u> -anisidine	17344
Carboxylic Acids and Esters	174
Aldehydes and Ketones	175
Xanthen-9-one	17501
7h-benzo(d,e)anthracene-7-one(benzanthrone)	17502
Phenalen-1-one	17503
Other Oxygen Compounds	176
Nitrogen Compounds	177
Aniline	17701
<u>o</u> -phenylenediamine	17702
<u>m</u> -phenylenediamine	17703
<u>p</u> -phenylenediamine	17704
<u>o</u> -anisidine	17705
<u>p</u> -anisidine	17706
<u>o</u> -chloroaniline	17707
<u>m</u> -chloroaniline	17708
<u>p</u> -chloroaniline	17709
<u>o</u> -toluidine	17710
<u>m</u> -toluidine	17711
<u>p</u> -toluidine	17712
Diphenylamine	17713
Triphenylamine	17714
Benzidine	17715
Halogen Compounds	178
Miscellaneous	179

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	1
HETEROCYCLIC COMPOUNDS	18
Nitrogen Compounds	181
Pyridine	18101
α -picoline	18102
β -picoline	18103
γ -picoline	18104
Quinoline	18105
Isoquinoline	18106
Quinaldine	18107
Indole	18108
Acridine	18109
Carbazole	18110
Benzo(f)quinoline	18111
Benzo(h)quinoline	18112
Phenanthridine	18113
Benz(a)acridine	18114
Benz(c)acridine	18115
11h-benzo(a)carbazole	18116
5h-benzo(b)carbazole	18117
7h-benzo(b)carbazole	18118
Dibenz(a,b)acridine	18119
Dibenz(a,j)acridine	18120
Benzo(1,m,n)phenanthridine	18121
Indeno(1,2,3-i,j)isoquinoline	18122
9-acridanone	18123
Oxygen Compounds	182
Benzofuran	18201
Dibenzofuran	18202
Furfural	18203
Sulfur Compounds	183
Nitrogen and Oxygen Compounds	184
Sulfur and Oxygen Compounds	185
Sulfur and Nitrogen Compounds	186
Other	187

```

graph LR
    subgraph MAJOR_CLASS_A [MAJOR CLASS (A)]
        A1[SUSPENDED PARTICULATE]
        A2[SETTLED PARTICULATE]
        A3[RESPIRABLE PARTICULATE]
        A4[GAS AND VAPORS]
        A5[BIOCIDES, ALLERGENS, AND PATHOGENS]
        A6[ATMOSPHERIC AND RELATED PARAMETERS]
        A7[BASIC EFFECTS]
        A8[FRACTIONAL PARTICULATE]
        A9[MISCELLANEOUS]
    end

    subgraph SUBCLASS_B [SUBCLASS (B)]
        B1[PHYSICAL PROPERTIES]
        B2[INORGANIC]
        B3[ALLERGENS AND BIOLOGICALS]
        B4[ORGANICS BY SOLUBILITY]
        B5[CHARACTERISTICS OF ORGANICS]
        B6[ALIPHATIC COMPOUNDS]
        B7[AROMATIC COMPOUNDS]
        B8[HETEROCYCLIC COMPOUNDS]
        B9[ ]
    end

    subgraph FAMILY_C [FAMILY (C)]
        C1[ ]
        C2[ ]
        C3[ ]
        C4[ ]
        C5[ ]
        C6[ ]
        C7[ ]
        C8[ ]
        C9[ ]
    end

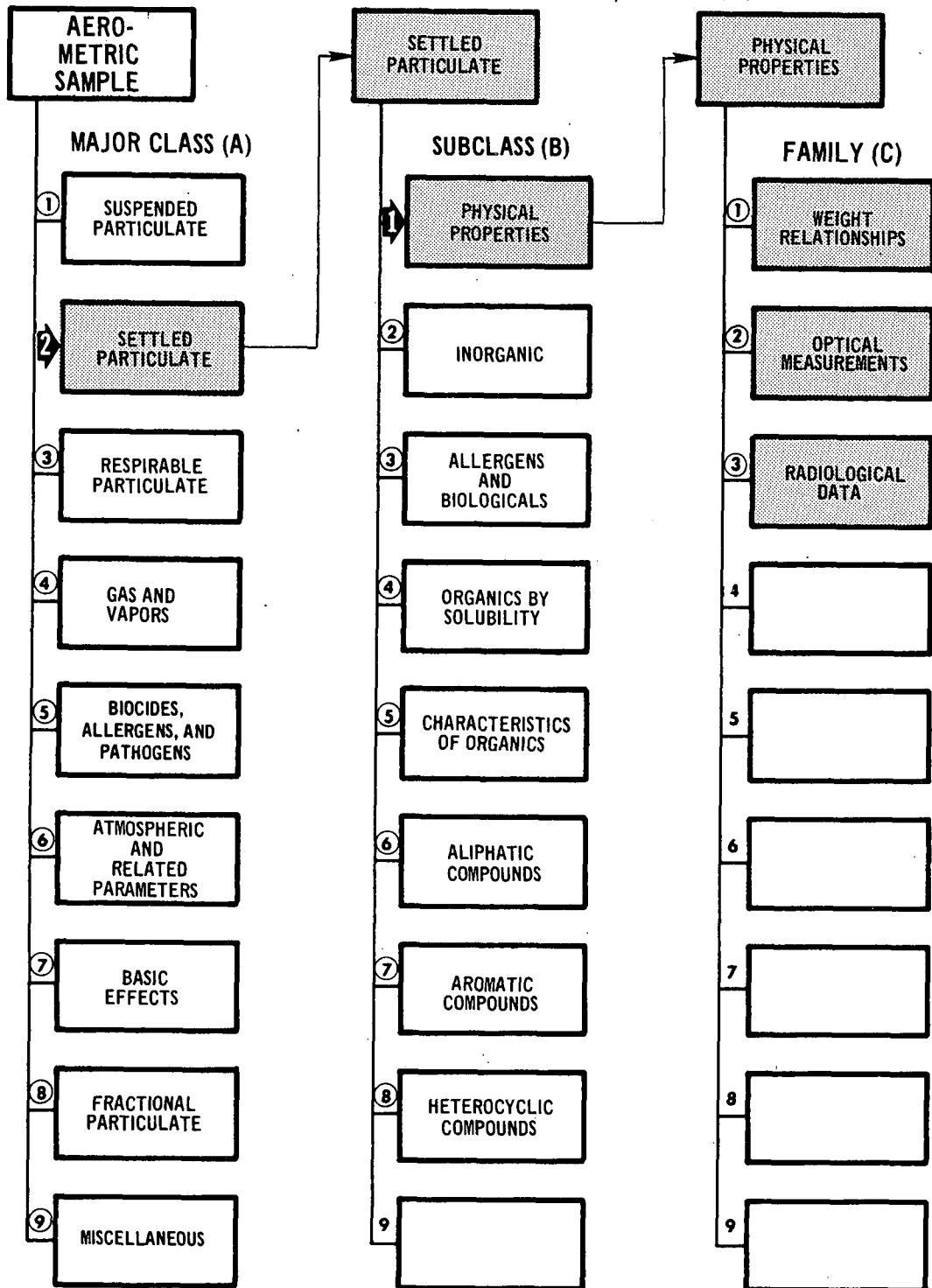
    A1 --> B1
    A1 --> B2
    A1 --> B3
    A1 --> B4
    A1 --> B5
    A1 --> B6
    A1 --> B7
    A1 --> B8
    A1 --> B9
    A2 --> B1
    A2 --> B2
    A2 --> B3
    A2 --> B4
    A2 --> B5
    A2 --> B6
    A2 --> B7
    A2 --> B8
    A2 --> B9
    A3 --> B1
    A3 --> B2
    A3 --> B3
    A3 --> B4
    A3 --> B5
    A3 --> B6
    A3 --> B7
    A3 --> B8
    A3 --> B9
    A4 --> B1
    A4 --> B2
    A4 --> B3
    A4 --> B4
    A4 --> B5
    A4 --> B6
    A4 --> B7
    A4 --> B8
    A4 --> B9
    A5 --> B1
    A5 --> B2
    A5 --> B3
    A5 --> B4
    A5 --> B5
    A5 --> B6
    A5 --> B7
    A5 --> B8
    A5 --> B9
    A6 --> B1
    A6 --> B2
    A6 --> B3
    A6 --> B4
    A6 --> B5
    A6 --> B6
    A6 --> B7
    A6 --> B8
    A6 --> B9
    A7 --> B1
    A7 --> B2
    A7 --> B3
    A7 --> B4
    A7 --> B5
    A7 --> B6
    A7 --> B7
    A7 --> B8
    A7 --> B9
    A8 --> B1
    A8 --> B2
    A8 --> B3
    A8 --> B4
    A8 --> B5
    A8 --> B6
    A8 --> B7
    A8 --> B8
    A8 --> B9
    A9 --> B1
    A9 --> B2
    A9 --> B3
    A9 --> B4
    A9 --> B5
    A9 --> B6
    A9 --> B7
    A9 --> B8
    A9 --> B9
    B1 --> C1
    B1 --> C2
    B1 --> C3
    B1 --> C4
    B1 --> C5
    B1 --> C6
    B1 --> C7
    B1 --> C8
    B1 --> C9
    B2 --> C1
    B2 --> C2
    B2 --> C3
    B2 --> C4
    B2 --> C5
    B2 --> C6
    B2 --> C7
    B2 --> C8
    B2 --> C9
    B3 --> C1
    B3 --> C2
    B3 --> C3
    B3 --> C4
    B3 --> C5
    B3 --> C6
    B3 --> C7
    B3 --> C8
    B3 --> C9
    B4 --> C1
    B4 --> C2
    B4 --> C3
    B4 --> C4
    B4 --> C5
    B4 --> C6
    B4 --> C7
    B4 --> C8
    B4 --> C9
    B5 --> C1
    B5 --> C2
    B5 --> C3
    B5 --> C4
    B5 --> C5
    B5 --> C6
    B5 --> C7
    B5 --> C8
    B5 --> C9
    B6 --> C1
    B6 --> C2
    B6 --> C3
    B6 --> C4
    B6 --> C5
    B6 --> C6
    B6 --> C7
    B6 --> C8
    B6 --> C9
    B7 --> C1
    B7 --> C2
    B7 --> C3
    B7 --> C4
    B7 --> C5
    B7 --> C6
    B7 --> C7
    B7 --> C8
    B7 --> C9
    B8 --> C1
    B8 --> C2
    B8 --> C3
    B8 --> C4
    B8 --> C5
    B8 --> C6
    B8 --> C7
    B8 --> C8
    B8 --> C9
    B9 --> C1
    B9 --> C2
    B9 --> C3
    B9 --> C4
    B9 --> C5
    B9 --> C6
    B9 --> C7
    B9 --> C8
    B9 --> C9
  
```

SETTLED PARTICULATES

Pollutant or parameter	Code number	Page number
SETTLED PARTICULATES	2	2-1
PHYSICAL PROPERTIES (chart)	21	2-3
Weight Relationships	211	2-4
Optical Measurements	212	2-4
Radiological Data	213	2-4
INORGANIC (chart)	22	2-7
Total Element (Free and Combined)	221	2-8
Group VII Compounds and Ions	222	2-10
Group V Compounds and Ions	223	2-10
Group VI Compounds and Ions	224	2-11
Group IV Compounds and Ions	225	2-11
Acids and Bases	226	2-12
Organo-Metallic Compounds and Ions	227	2-12
Miscellaneous	228	2-12
ALLERGENS AND BIOLOGICALS (chart)	23	2-13
Pollen	231	2-14
Spores and Fungi	232	2-14
ORGANICS BY SOLUBILITY (chart)	24	2-17
Benzene Soluble	241	2-18
Chloroform Soluble	242	2-18
Acetone Soluble	243	2-18
Ethyl Ether Soluble	244	2-19
<u>Iso</u> -Octane Soluble	245	2-19
CHARACTERISTICS OF ORGANICS (chart)	25	2-21
Combustible	251	2-22
Water Soluble	252	2-22
Water Insoluble	253	2-22
Acid Soluble	254	2-22
Acid Insoluble	255	2-22
Alkali Soluble	256	2-22
Alkali Insoluble	257	2-22

Pollutant or parameter	Code number	Page number
SETTLED PARTICULATES	2	2-1
ALIPHATIC COMPOUNDS (chart)	26	2-23
Gross Hydrocarbons	261	2-24
Hydrocarbons	262	2-24
Alchols and Esters	263	2-24
Carboxylic Acids and Esters	264	2-25
Aldehydes and Ketones	265	2-26
Other Oxygen Compounds	266	2-27
Nitrogen Compounds	267	2-27
Halogen Compounds	268	2-27
Miscellaneous	269	2-27
AROMATIC COMPOUNDS (chart)	27	2-29
Simple and Gross Hydrocarbons	271	2-30
Complex Hydrocarbons	272	2-31
Phenols and Ethers	273	2-32
Carboxylic Acids and Esters	274	2-33
Aldehydes and Ketones	275	2-33
Other Oxygen Compounds	276	2-33
Nitrogen Compounds	277	2-33
Halogen Compounds	278	2-33
Miscellaneous	279	2-33
HETEROCYCLIC COMPOUNDS (chart)	28	2-35
Nitrogen Compounds	281	2-36
Oxygen Compounds	282	2-36
Sulfur Compounds	283	2-36
Nitrogen and Oxygen Compounds	284	2-36
Sulfur and Oxygen Compounds	285	2-36
Sulfur and Nitrogen Compounds	286	2-36
Other	287	2-36

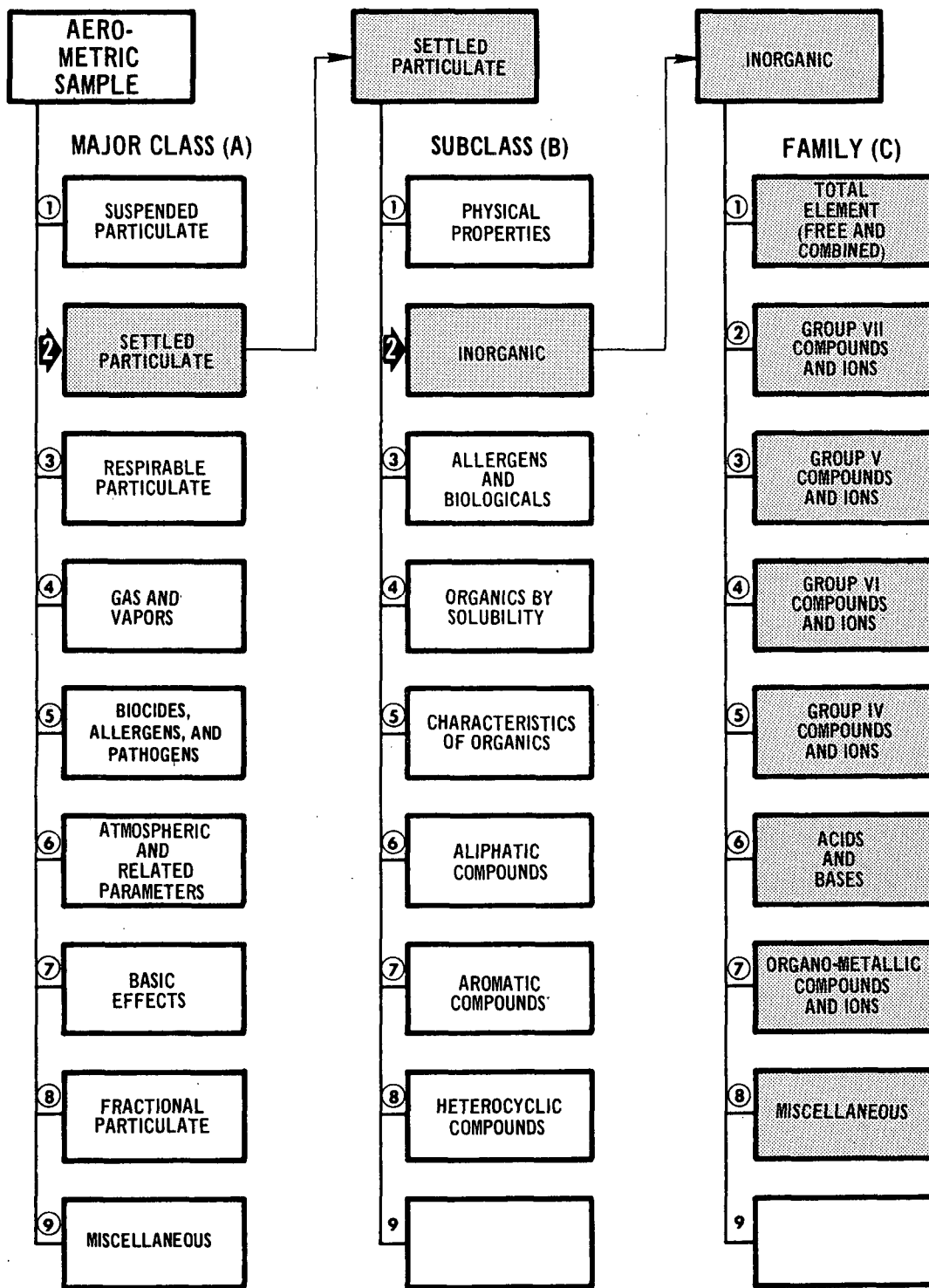
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
PHYSICAL PROPERTIES	21
Weight Relationships	211
Particulate	21101
Organic (total) fraction	21102
Benzene soluble organic fraction	21103
Polynuclear hydrocarbons	21104
Water soluble organics	21105
Amine B	21106
Strong acid	21107
Weak acid	21108
Neutral fraction	21109
Aliphatic fraction	21110
Aromatic fraction	21111
Oxygenated neutral fraction	21112
Inorganic fraction	21113
Water soluble weight	21114
Water insoluble weight	21115
Total weight ash	21116
Water soluble ash	21117
Water insoluble ash	21118
Optical Measurements	212
Transmission	21201
Reflectance	21202
Radiological Data	213
Alpha (gross)	21301
Beta (gross)	21302
Gamma	21303
Neutron	21304
Gross	21305
Argon - 41	21306
Barium - 140	21307
Carbon - 14	21308
Cerium - 141	21309
Cerium - 142	21310
Cerium - 144	21311
Cesium - 137	21312
Cobalt - 60	21313
Hydrogen - 3	21314

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
PHYSICAL PROPERTIES	21
Radiological Data	213
Iodine - 126	21315
Iodine - 131	21316
Krypton - 81-85	21317
Lanthanum - 140	21318
Molybdenum - 93	21319
Niobium - 95	21320
Palladium - 107	21321
Plutonium - 239	21322
Potassium - 40	21323
Potassium - 42	21324
Praseodymium - 144	21325
Radium - 226	21326
Radon - 222	21327
Rare earth elements	21328
Rhodium - 102	21329
Rubidium - 85	21330
Ruthenium - 97-103	21331
Strontium - 89	21332
Strontium - 90	21333
Thallium - 204	21334
Thorium - 232	21335
Tungsten - 138	21336
Uranium - 235	21337
Uranium - 238	21338
Xenon - 133	21339
Yttrium - 90	21340
Zinc - 65	21341
Lead - 210	21342

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
INORGANIC	22
Total Element (Free and Combined)	221
Aluminum	22101
Antimony	22102
Arsenic	22103
Argon	22104
Beryllium	22105
Bismuth	22106
Barium	22107
Boron	22108
Bromine	22109
Cadmium	22110
Calcium	22111
Chromium	22112
Cobalt	22113
Copper	22114
Chlorine	22115
Carbon	22116
Cerium	22117
Cesium	22118
Dysprosium	22119
Erbium	22120
Europium	22121
Fluorine	22122
Gadolinium	22123
Gallium	22124
Germanium	22125
Iron	22126
Hafnium	22127
Lead	22128
Holmium	22129
Hydrogen	22130
Indium	22131
Manganese	22132
Iridium	22133
Molybdenum	22134
Krypton	22135
Nickel	22136

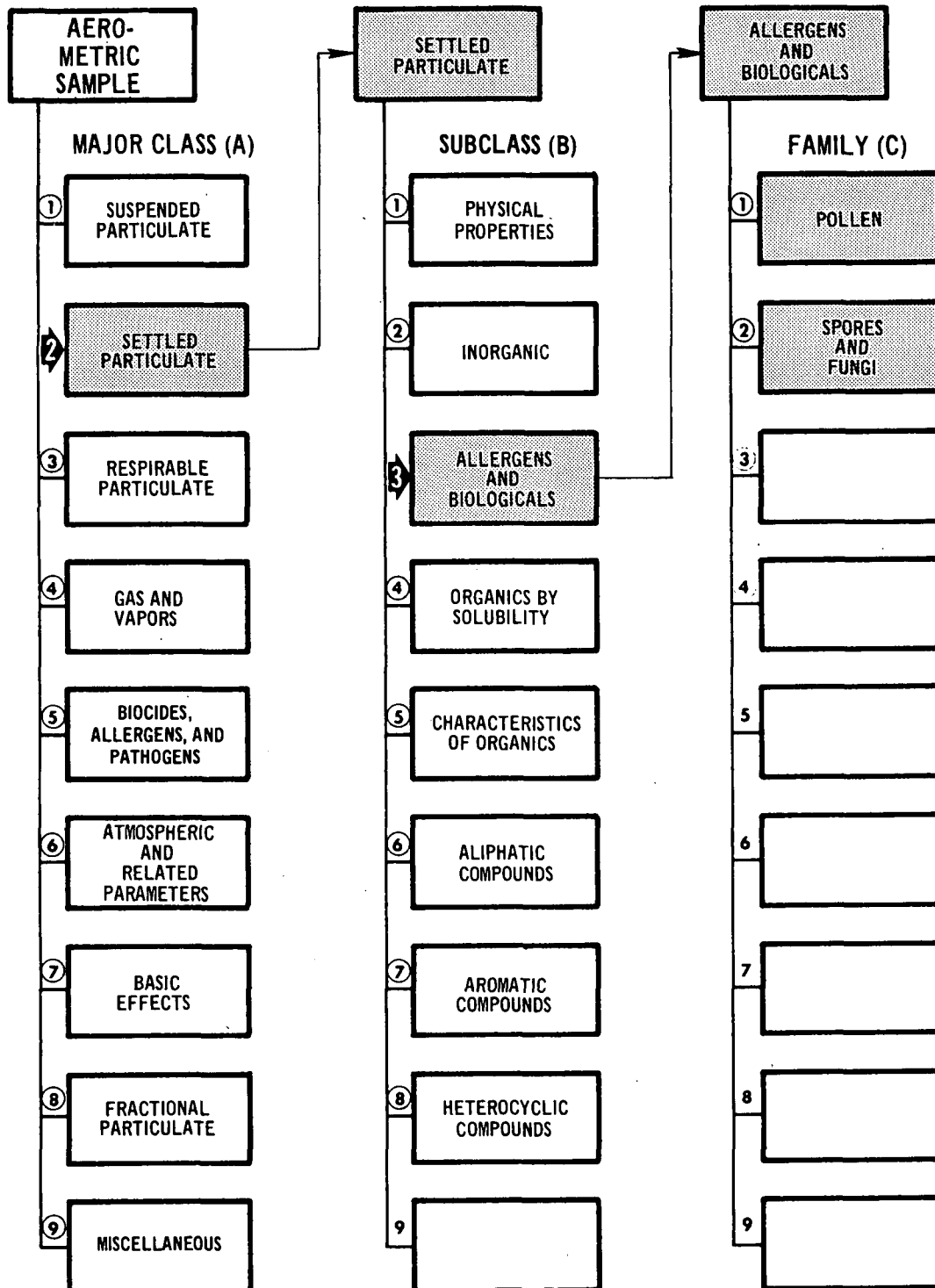
POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
INORGANIC	22
Total Element (Free and Combined)	221
Helium	22137
Lithium	22138
Lutetium	22139
Magnesium	22140
Iodine	22141
Mercury	22142
Gold	22143
Neodymium	22144
Neon	22145
Lanthanum	22146
Niobium	22147
Nitrogen	22148
Osmium	22149
Oxygen	22150
Palladium	22151
Phosphorus	22152
Platinum	22153
Selenium	22154
Praseodymium	22155
Protactinium	22156
Radium	22157
Rhenium	22158
Rhodium	22159
Tin	22160
Titanium	22161
Samarium	22162
Scandium	22163
Vanadium	22164
Silicon	22165
Silver	22166
Zinc	22167
Strontium	22168
Sulfur	22169
Tantalum	22170
Tellurium	22171
Terbium	22172

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
INORGANIC	22
Total Element (Free and Combined)	221
Thallium	22173
Thorium	22174
Thulium	22175
Rubidium	22176
Ruthenium	22177
Tungsten	22178
Uranium	22179
Potassium	22180
Xenon	22181
Ytterbium	22182
Yttrium	22183
Sodium	22184
Zirconium	22185
Group VII Compounds and Ions	222
Bromide ion	22201
Fluoride	22202
Chloride ion	22203
Iodine ion	22204
Chlorate ion	22205
Perchlorate ion	22206
Bromate ion	22207
Sodium chloride	22210
Potassium chloride	22211
Calcium chloride	22212
Ammonium chloride	22213
Sodium bromide	22230
Potassium bromide	22231
Sodium iodide	22250
Potassium iodide	22251
Potassium fluoride	22270
Sodium fluoride	22271
Sodium fluorosilicate	22275
Calcium fluorosilicate	22276
Group V Compounds and Ions	223
Ammonium ion	22301
Cyanide ion	22304

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
INORGANIC	22
Group V Compounds and Ions	223
Nitrate ion	22306
Nitrite ion	22309
Hydrazine	22310
Hydrazoic acid	22311
Ammonium chloride	22320
Ammonium nitrate	22321
Ammonium sulfate	22322
Phosphoric acid	22340
Calcium phosphate	22341
Phosphorus pentasulfide	22342
Phosphate ion	22345
Hydrogen phosphate ion	22346
Hydrogen phosphate ion	22347
Group VI Compounds and Ions	224
Sulfide ion	22401
Sulfuric acid	22402
Sulfate ion	22403
Thiosulfate ion	22404
Sulfite ion	22410
Ferrous sulfide	22411
Ferric sulfide	22412
Ferrous sulfate	22413
Ferric sulfate	22414
Barium sulfate	22415
Chromium trioxide	22417
Sodium dichromate	22418
Zinc oxide	22430
Aluminum oxide	22431
Water	22450
Group IV Compounds and Ions	225
Carbonate ion	22501
Bicarbonate ion	22502
Carbon boride	22510
Silicon carbide	22511
Silicate ion	22550
Silicon dioxide	22551

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
INORGANIC	22
Acids and Bases	226
Total acidity H+	22601
Hydrogen ion concentration pH	22602
Bicarbonate ion	22603
Sulfuric acid	22604
Nitric acid	22605
Hydrochloric acid	22606
Total alkalinity	22650
Hydroxide ion concentration	22651
Carbonate ion	22652
Calcium hydroxide	22653
Organo-Metallic Compounds and Ions	227
Miscellaneous	228

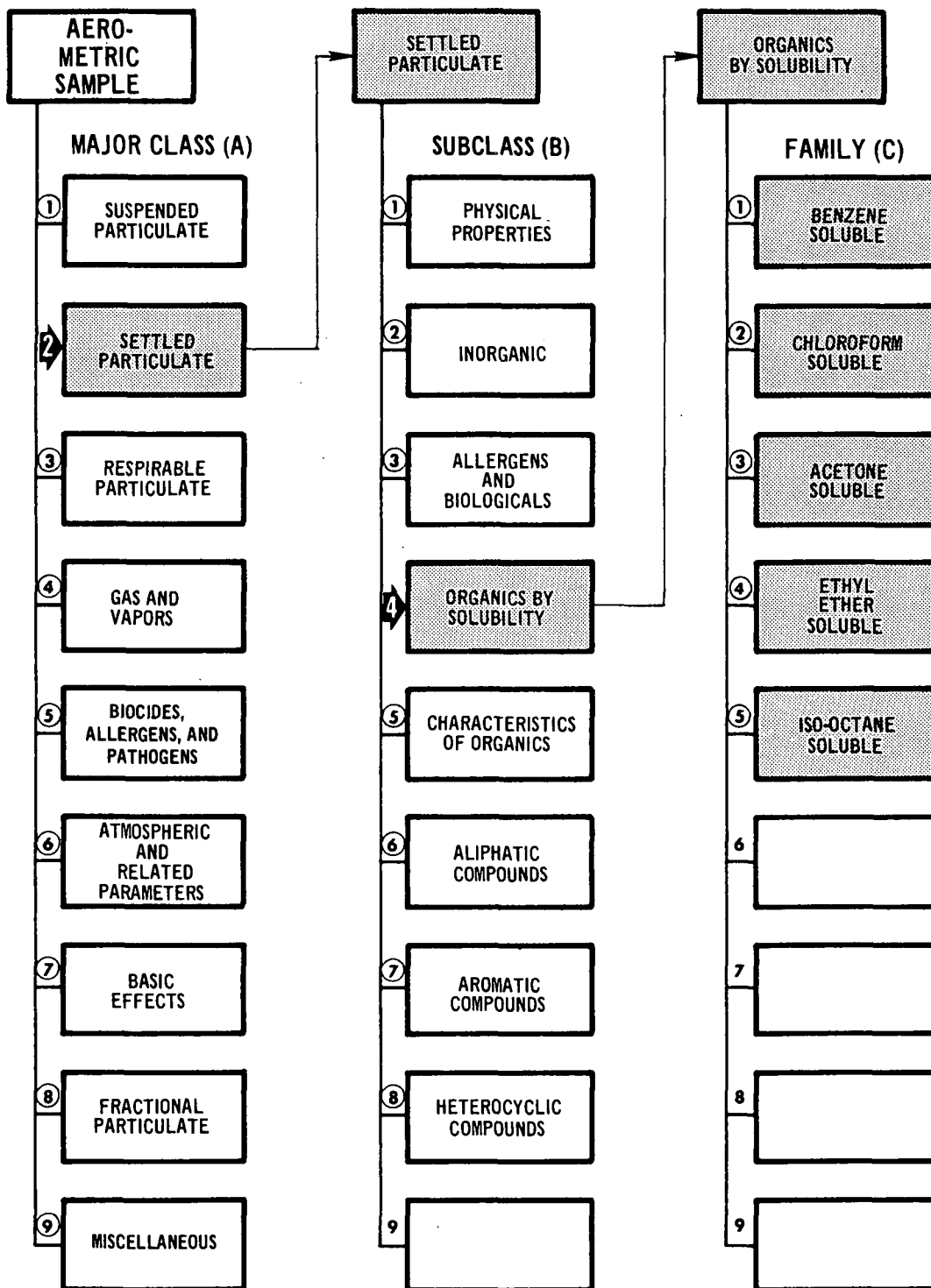
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALLERGENS AND BIOLOGICALS	23
Pollen	231
Abies	23101
Aren	23102
Amaranthacea	23103
Ambrosia	23104
Artemisia	23105
Betulaceae	23106
Carya	23107
Chenopodiaceae	23108
Cyperaceae	23109
Fagus	23110
Gramineae	23111
Iva	23112
Iva xanthifolia	23113
Juglans	23114
Juniperus	23115
Myricaceae	23116
Picea	23117
Pinus	23118
Plantago	23119
Plantanus	23120
Populus	23121
Quercus	23122
Rumex	23123
Salix	23124
Solidago	23125
Tilai	23126
Tsuga	23127
Ulmus	23128
Spores and Fungi	232
Algae spores	23201
Yeast spores (blastomycetes)	23202
Saccharomycetes	23203
Fungi spores (eumycetes)	23204
Pichia spores	23205
Schizomycetes	23206
Endomyces sp	23207

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALLERGENS AND BIOLOGICALS	23
Spores and Fungi	232
Oospora sp	23208
Phycomycetes	23209
Basidiomycetes	23210
Ascomycetes	23211
Fungi imperfecti	23212
Mucedinaceae	23213
Dematiaceae	23214

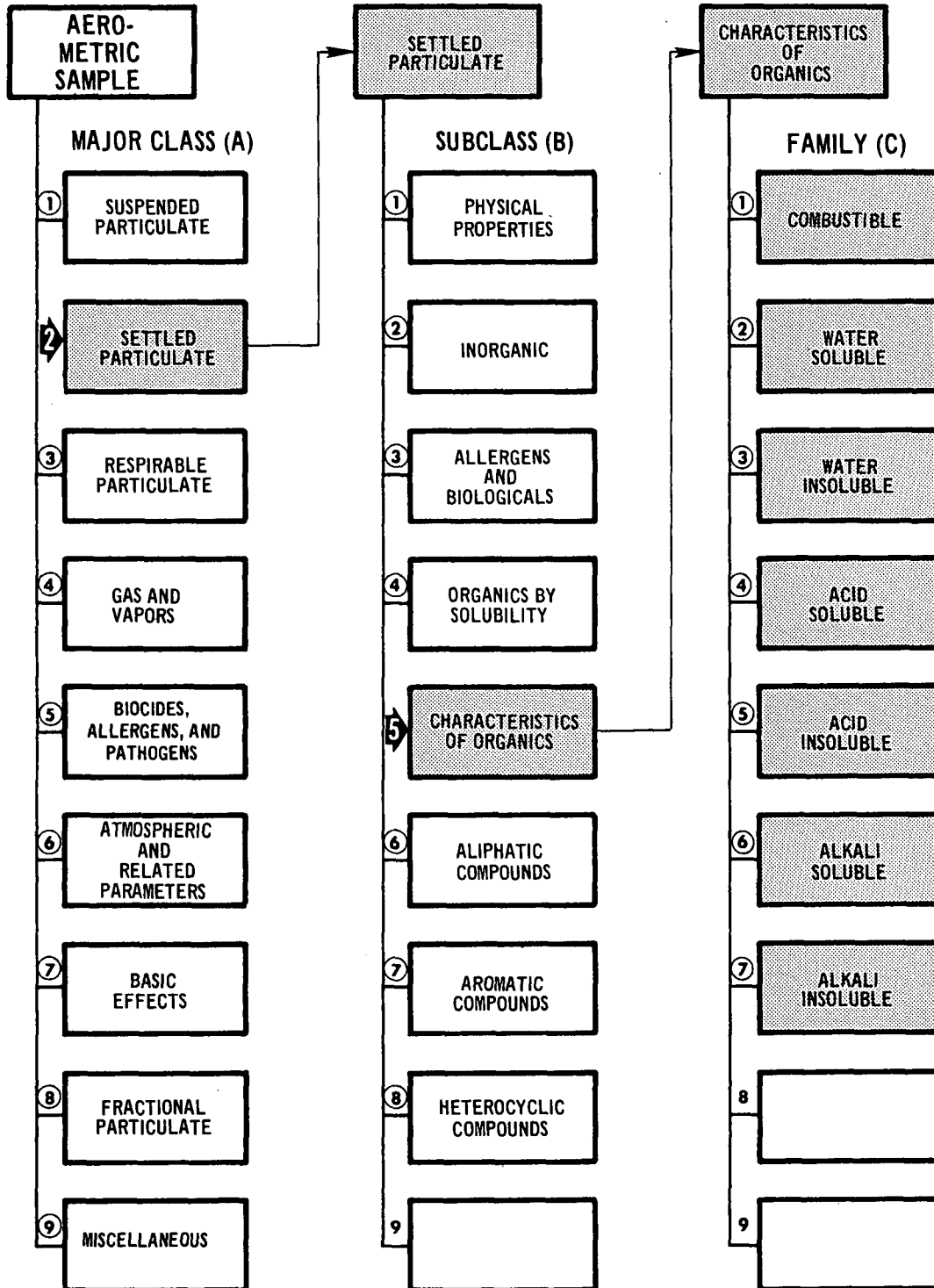
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ORGANICS BY SOLUBILITY	24
Benzene Soluble	241
Total benzene soluble organics	24101
Aliphatic fraction	24102
Aromatic fraction	24103
Acid extract fraction	24104
Amine group fraction	24105
Neutral fraction	24106
Weak acid fraction	24107
Strong acid fraction	24108
Water soluble fraction	24109
Water-ether insoluble	24110
Oxygenated fraction	24111
Chloroform Soluble	242
Total chloroform soluble organics	24201
Aliphatic fraction	24202
Aromatic fraction	24203
Acid extract fraction	24204
Amine group fraction	24205
Neutral fraction	24206
Weak acid fraction	24207
Strong acid fraction	24208
Water soluble fraction	24209
Water-ether insoluble	24210
Oxygenated fraction	24211
Acetone Soluble	243
Total acetone soluble organics	24301
Aliphatic fraction	24302
Aromatic fraction	24303
Acid extract fraction	24304
Amine group fraction	24305
Neutral fraction	24306
Weak acid fraction	24307
Strong acid fraction	24308
Water soluble fraction	24309
Water-ether insoluble	24310
Oxygenated fraction	24311

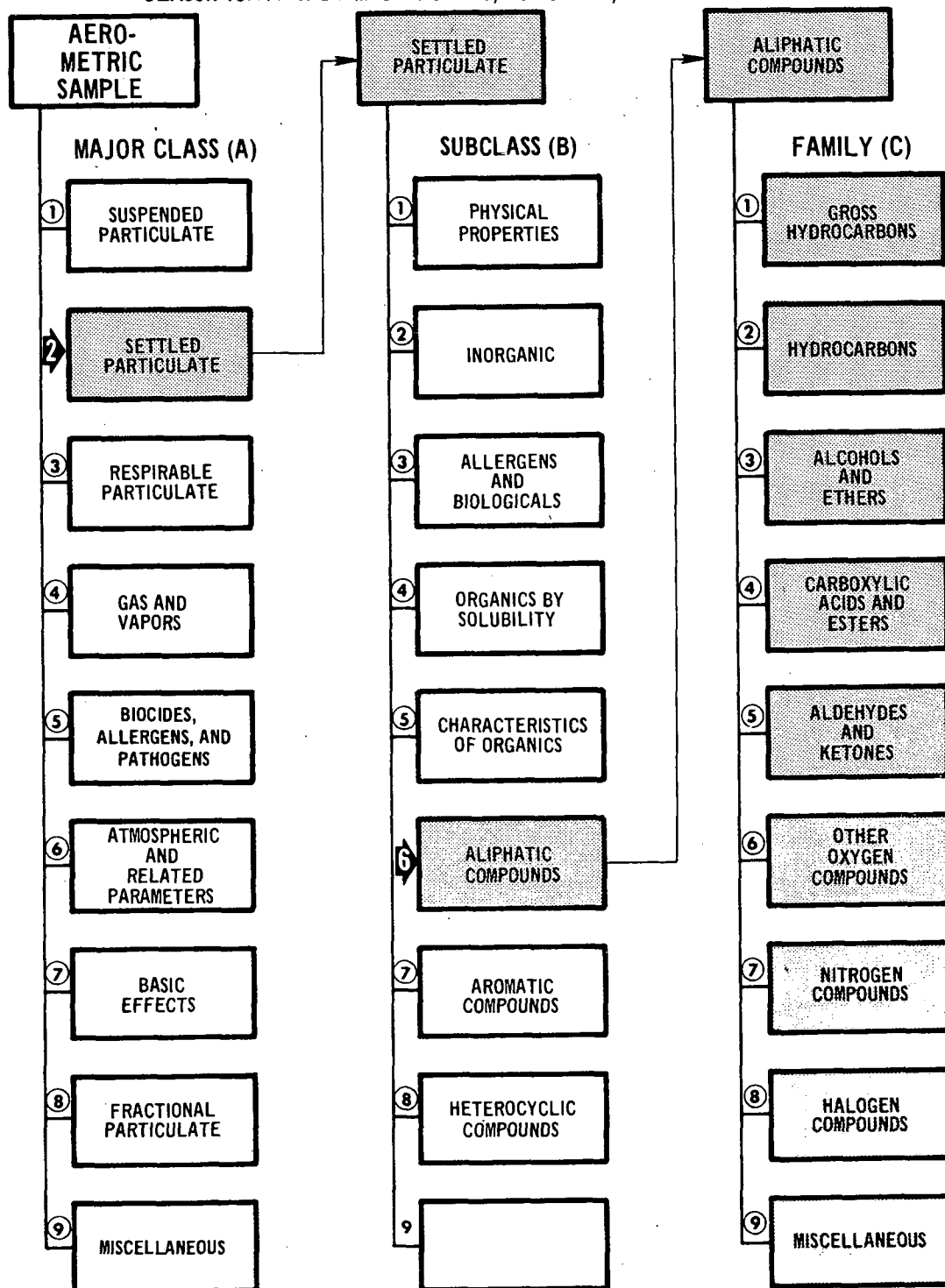
POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ORGANICS BY SOLUBILITY	24
Ethyl Ether Soluble	244
Total ethyl ether soluble organics	24401
Aliphatic fraction	24402
Aromatic fraction	24403
Acid extract fraction	24404
Amine group fraction	24405
Neutral fraction	24406
Weak acid fraction	24407
Strong acid fraction	24408
Water soluble fraction	24409
Water-ether insoluble	24410
Oxygenated fraction	24411
<u>Iso</u> -Octane Soluble	245
Total <u>iso</u> -octane soluble organics	24501
Aliphatic fraction	24502
Aromatic fraction	24503
Acid extract fraction	24504
Amine group fraction	24505
Neutral fraction	24506
Weak acid fraction	24507
Strong acid fraction	24508
Water soluble fraction	24509
Water-ether insoluble	24510
Oxygenated fraction	24511

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
CHARACTERISTICS OF ORGANICS	25
Combustible	251
Loss on 500 degrees centigrade ignition	25101
Residue after ignition	25102
Water Soluble	252
Water Insoluble	253
Acid Soluble	254
Acid Insoluble	255
Alkali Soluble	256
Alkali Insoluble	257

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



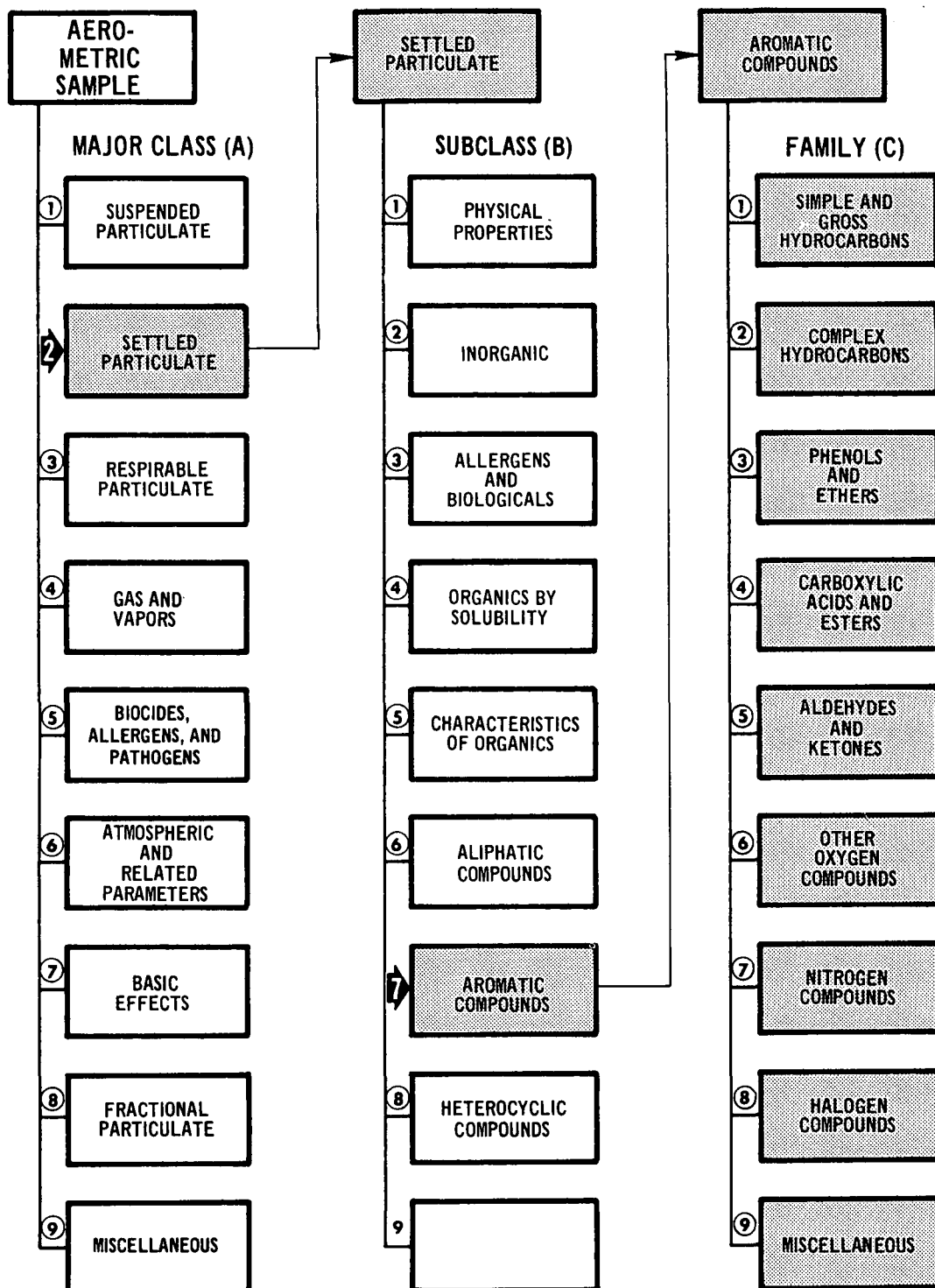
POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALIPHATIC COMPOUNDS	26
Gross Hydrocarbons	261
Hydrocarbons	262
Heptane	26201
Octane	26202
Nonane	26203
Decane	26204
Undecane	26205
Dodecane	26206
Tridecane	26207
Tetradecane	26208
Pentadecane	26209
Hexadecane	26210
Heptadecane	26211
Octadecane	26212
Nonadecane	26213
Eicosane	26214
Heneicosane	26215
Docosane	26216
Tricosane	26217
Tetracosane	26218
Pentacosane	26219
Hexacosane	26220
Heptacosane	26221
Octacosane	26222
Cyclohexane	26223
Cycloheptane	26224
Cyclooctane	26225
Heptene-1	26226
Octene-1	26227
Alcohols and Ethers	263
Butyl alcohol	26301
<u>iso</u> -butyl alcohol	26302
<u>sec</u> -butyl alcohol	26303
<u>tert</u> -butyl alcohol	26304
<u>n</u> -amyl alcohol	26305
<u>iso</u> -amyl alcohol	26306
<u>tert</u> -amyl alcohol	26307

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALIPHATIC COMPOUNDS	26
Alcohols and Ethers	263
<u>n</u> -hexyl alcohol	26308
Cyclohexanol	26309
<u>n</u> -octyl alcohol	26310
Capryl alcohol (octanol-2)	26311
Decyl alcohol	26312
Lauryl alcohol	26313
Myristyl alcohol	26314
Cetyl alcohol	26315
Stearyl alcohol	26316
Di- <u>n</u> -butyl ether	26340
Di- <u>n</u> -amyl ether	26341
Di- <u>iso</u> -amyl ether	26342
Di- <u>n</u> -hexyl ether	26343
Di-chloromethyl ether	26344
Di-(β -chloroethyl) ether	26346
Ethylene glycol dimethyl ether	26347
Divinyl ether	26348
Diallyl ether	26349
Carboxylic Acids and Esters	264
Propionic acid	26401
<u>n</u> -butyric acid	26402
<u>iso</u> -butyric acid	26403
<u>n</u> -valeric acid	26404
Trimethylacetic acid	26405
Caproic acid	26406
<u>n</u> -heptylic acid	26407
Caprylic acid	26408
Pelargonic acid	26409
Fluoroacetic acid	26410
Chloroacetic acid	26411
Bromoacetic acid	26412
Iodoacetic acid	26413
Dichloroacetic acid	26414
Trichloroacetic acid	26415
α -chloropropionic acid	26416
β -chloropropionic acid	26417

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALIPHATIC COMPOUNDS	26
Carboxylic Acids and Esters	264
Glycolic acid	26418
Lactic acid	26419
Ethoxyacetic acid	26420
Thioglycolic acid	26421
Cyanoacetic acid	26422
Glyoxylic acid	26423
Acrylic acid	26425
Vinylacetic acid	26426
Phenylacetic acid	26427
Formic acid	26428
Acetic acid	26429
Crotonic acid	26430
Oxalic acid	26431
Malonic acid	26432
Succinic acid	26433
Glutaric acid	26434
Adipic acid	26435
Pimelic acid	26436
Suberic acid	26437
Azelaic acid	26438
Sebacic acid	26439
Aldehydes and Ketones	265
Caproaldehyde	26501
Heptaldehyde	26502
Hexanone-2	26504
Hexanone-3	26505
Di- <u>n</u> -propyl ketone	26506
Di- <u>iso</u> -propyl ketone	26507
Di- <u>iso</u> -butyl ketone	26508
Di- <u>n</u> -amyl ketone	26509
Stearone	26510
Chloroacetone	26511
Dichloroacetone	26512
Acetylacetone	26513
Mesityl oxide	26514
Phorone	26515

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
ALIPHATIC COMPOUNDS	26
Aldehydes and Ketones	265
Cyclohexanone	26516
Acrolein	26517
Other Oxygen Compounds	266
Nitrogen Compounds	267
Tri- <u>n</u> -propylamine	26701
Hexylamine	26702
Laurylamine	26703
Trimethylenediamine	26704
Tetramethylenediamine	26705
Pentamethylenediamine	26706
Hexamethylenediamine	26707
Ethanolamine	26708
Diethanolamine	26709
Triethanolamine	26710
Acrylonitrile	26711
Halogen Compounds	268
Methylene iodide	26801
Bromoform	26802
Carbon tetrabromide	26803
Ethylene dibromide	26804
1,1-dibromoethane	26805
1,1,2,2-tetrachloroethane	26806
Hexachloroethane	26807
1,3-dibromopropane	26808
1,4-dibromobutane	26809
1,5-dibromopentane	26810
1,6-dibromohexane	26811
Miscellaneous	269

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



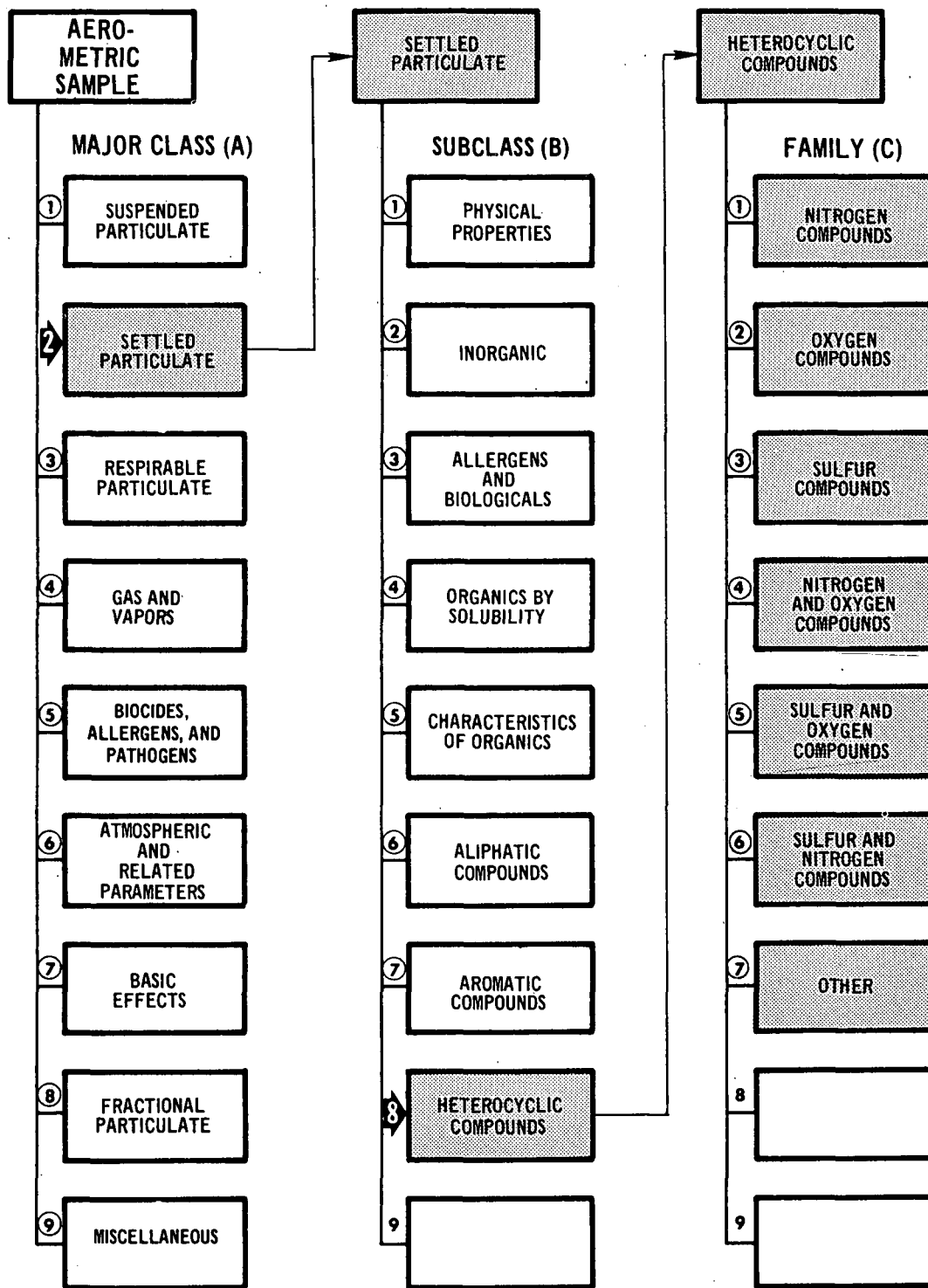
POLLUTANT OR PARAMETER	CODE
SUSPENDED PARTICULATES	2
AROMATIC COMPOUNDS	27
Simple and Gross Hydrocarbons	271
Benzene	27101
Toluene	27102
Ethylbenzene	27103
<u>n</u> -propylbenzene	27104
<u>iso</u> -propylbenzene	27105
<u>n</u> -butylbenzene	27106
<u>sec</u> -butylbenzene	27107
<u>tert</u> -butylbenzene	27108
Styrene	27109
Allylbenzene	27110
<u>o</u> -xylene	27111
<u>m</u> -xylene	27112
<u>p</u> -xylene	27113
<u>o</u> -ethyltoluene	27114
<u>m</u> -ethyltoluene	27115
<u>p</u> -ethyltoluene	27116
<u>p</u> -cymene	27117
<u>o</u> -diethylbenzene	27118
<u>m</u> -diethylbenzene	27119
<u>p</u> -diethylbenzene	27120
1,2,3-trimethylbenzene (hemimellitene)	27121
1,2,4-trimethylbenzene (pseudocumene)	27122
1,3,5-trimethylbenzene (mesitylene)	27123
1,2,3,4-tetramethylbenzene (prehnitene)	27124
1,2,3,5-tetramethylbenzene (isodurene)	27125
1,2,4,5-tetramethylbenzene (durene)	27126
Pentamethylbenzene	27127
Hexamethylbenzene	27128
1,3,5-triethylbenzene	27129
Diphenylmethane	27131
Triphenylmethane	27132
Tetraphenylmethane	27133
Stilbene	27134
1,1-diphenylethane	27135
1,2-diphenylethane	27136

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
AROMATIC COMPOUNDS	27
Simple and Gross Hydrocarbons	271
Diphenyl	27137
p-terphenyl	27138
p-quaterphenyl	27139
1,3,5-triphenylbenzene	27140
Naphthalene	27141
α -methylnaphthalene	27142
β -methylnaphthalene	27143
Indene	27145
Azulene	27146
Acenaphthene	27147
Acenaphthalene	27148
Fluorene	27149
Phenanthrene	27150
Anthracene	27151
2-methylanthracene	27152
Complex Hydrocarbons	272
Fluoranthene	27201
8-methylfluoranthene	27202
Pyrene	27204
1-methylpyrene	27205
4-methylpyrene	27206
2,7-dimethylpyrene	27207
Chrysene	27208
Anthanthrene	27210
Coronene	27211
Perylene	27212
Naphthacene	27213
Benzo(c)phenanthrene	27214
Benzo(a)anthracene	27215
11h-benzo(b)fluorene	27216
11h-benzo(a)fluorene	27217
7h-benzo(c)fluorene	27218
Dibenzo(a,i)fluorene	27219
Benzo(b)fluoranthene	27220
Benzo(g,h,i)fluoranthene	27221
Benzo(j)fluoranthene	27222

POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
AROMATIC COMPOUNDS	27
Complex Hydrocarbons	272
Benzo(k)fluoranthene	27223
Benzo(e)pyrene	27224
Naphtho(2,3-a)pyrene	27226
Dibenzo(a,e)pyrene	27227
Dibenzo(a,i)pyrene	27228
Dibenzo(a,h)pyrene	27229
Dibenzo(b,h)phenanthrene	27230
Dibenzo(a,h)anthracene	27231
Tribenzo(a,c,h)anthracene	27232
Benzo(a)naphthacene	27233
Dibenzo(a,l)naphthacene	27234
Dibenzo(a,j)naphthacene	27235
Dibenzo(a,c)naphthacene	27236
Benzo(g,h,i)perylene	27237
Dibenzo(b,p,g,r)perylene	27238
Benzo(a)pyrene	27242
Phenols and Ethers	273
<u>o</u> -cresol	27301
<u>m</u> -cresol	27302
<u>p</u> -cresol	27303
<u>o</u> -chlorophenol	27304
<u>m</u> -chlorophenol	27305
<u>p</u> -chlorophenol	27306
<u>o</u> -bromophenol	27307
<u>m</u> -bromophenol	27308
<u>p</u> -bromophenol	27309
<u>o</u> -nitrophenol	27310
<u>m</u> -nitrophenol	27311
<u>p</u> -nitrophenol	27312
2,4-dinitrophenol	27313
3,5-dinitrophenol	27314
Resorcinol	27315
Hydroquinone	27316
Catechol	27317
Pyrogallol	27318
Phloroglucinol	27319

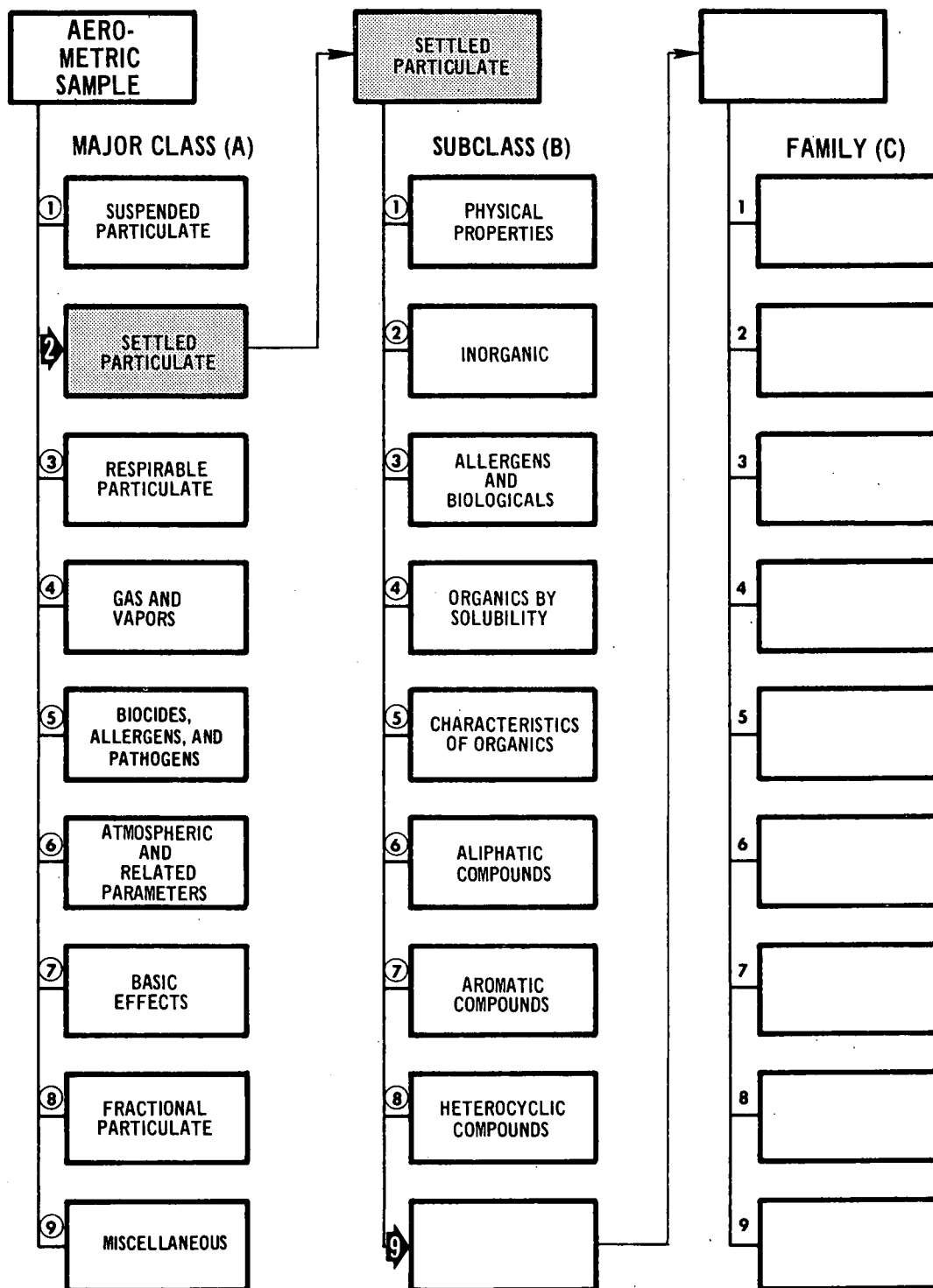
POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
AROMATIC COMPOUNDS	27
Phenols and Ethers	273
Anisole	27340
Phenetole	27341
Diphenyl ether	27342
<u>o</u> -anisidine	27343
<u>p</u> -anisidine	27344
Carboxylic Acids and Esters	274
Aldehydes and Ketones	275
Xanthen-9-one	27501
7h-benzo(d,e)anthracene-7-one(benzanthrone)	27502
Phenalen-1-one	27503
Other Oxygen Compounds	276
Nitrogen Compounds	277
Aniline	27701
<u>o</u> -phenylenediamine	27702
<u>m</u> -phenylenediamine	27703
<u>p</u> -phenylenediamine	27704
<u>o</u> -anisidine	27705
<u>p</u> -anisidine	27706
<u>o</u> -chloroaniline	27707
<u>m</u> -chloroaniline	27708
<u>p</u> -chloroaniline	27709
<u>o</u> -toluidine	27710
<u>m</u> -toluidine	27711
<u>p</u> -toluidine	27712
Diphenylamine	27713
Triphenylamine	27714
Benzidine	27715
Halogen Compounds	278
Miscellaneous	279

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
SETTLED PARTICULATES	2
HETEROCYCLIC COMPOUNDS	28
Nitrogen Compounds	281
Pyridine	28101
α -picoline	28102
β -picoline	28103
γ -picoline	28104
Quinoline	28105
Isoquinoline	28106
Quinaldine	28107
Indole	28108
Acridine	28109
Carbazole	28110
Benzo(f)quinoline	28111
Benzo(h)quinoline	28112
Phenanthridine	28113
Benz(a)acridine	28114
Benz(c)acridine	28115
11h-benzo(a)carbazole	28116
5h-benzo(b)carbazole	28117
7h-benzo(b)carbazole	28118
Dibenz(a,b)acridine	28119
Dibenz(a,j)acridine	28120
Benzo(l,m,n)phenanthridine	28121
Indeno(1,2,3-i,j)isoquiniline	28122
9-acridanone	28123
Oxygen Compounds	282
Benzofuran	28201
Dibenzofuran	28202
Furfural	28203
Sulfur Compounds	283
Nitrogen and Oxygen Compounds	284
Sulfur and Oxygen Compounds	285
Sulfur and Nitrogen Compounds	286
Other	287

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

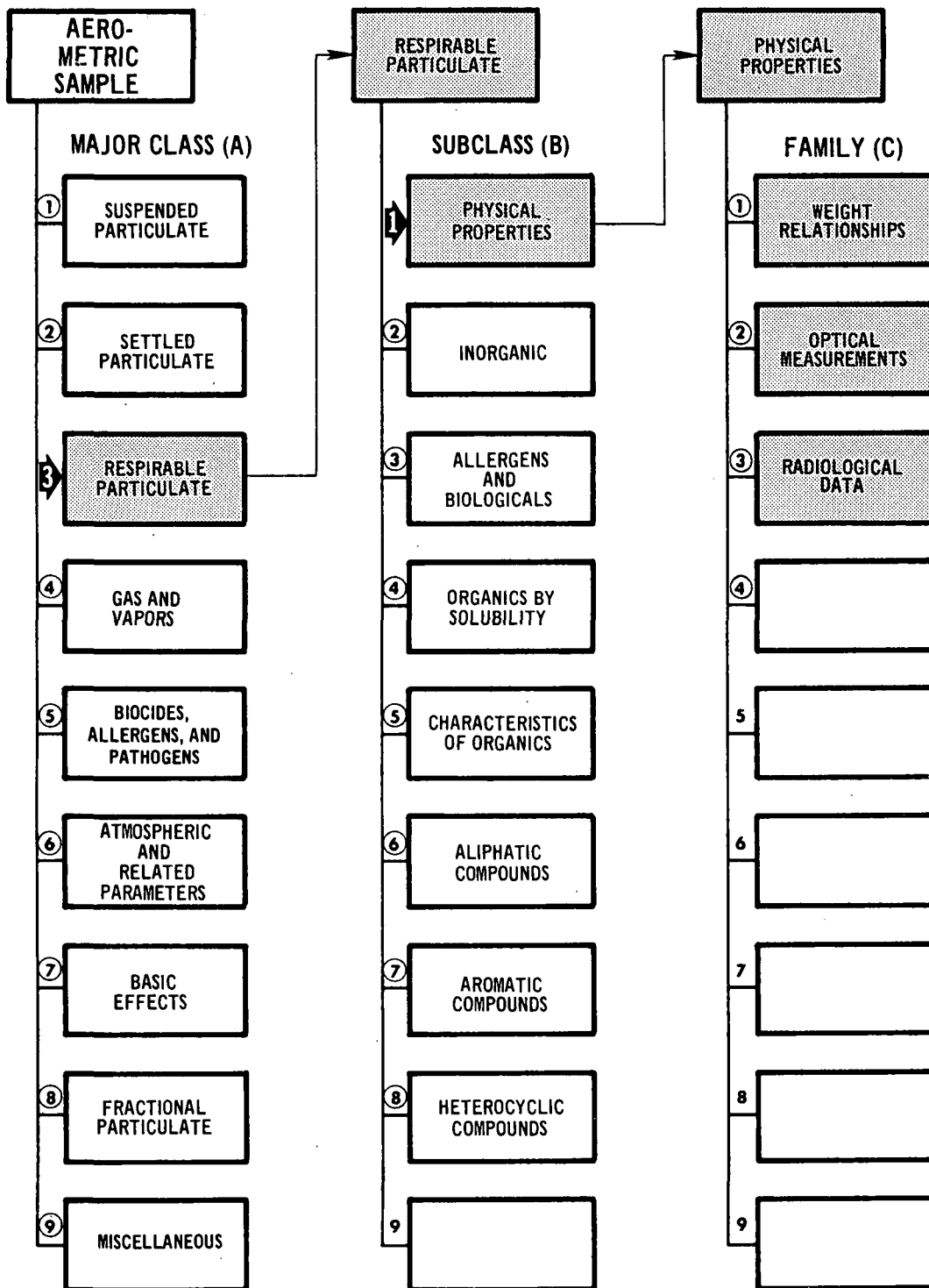


RESPIRABLE PARTICULATES

Pollutant or Parameter	Code number	Page number
RESPIRABLE PARTICULATES	3	3-1
PHYSICAL PROPERTIES (chart)	31	3-3
Weight Relationships	311	3-4
Optical Measurements	312	3-4
Radiological Data	313	3-4
INORGANIC (chart)	32	3-7
Total Element (Free and Combined)	321	3-8
Group II Compounds and Ions	322	3-10
Group III Compounds and Ions	323	3-10
Group VI Compounds and Ions	324	3-11
Group IV Compounds and Ions	325	3-11
Acids and Bases	326	3-12
Organo-Metallic Compounds and Ions	327	3-12
Miscellaneous	328	3-12
ALLERGENS AND BIOLOGICALS (chart)	33	3-13
Pollen	331	3-14
Spores and Fungi	332	3-14
ORGANICS BY SOLUBILITY (chart)	34	3-17
Benzene Soluble	341	3-18
Chloroform Soluble	342	3-18
Acetone Soluble	343	3-18
Ethyl Ether Soluble	344	3-19
<u>Iso</u> -Octane Soluble	345	3-19
CHARACTERISTICS OF ORGANICS (chart)	35	3-21
Combustible	351	3-22
Water Soluble	352	3-22
Water Insoluble	353	3-22
Acid Soluble	354	3-22
Acid Insoluble	355	3-22
Alkali Soluble	356	3-22
Alkali Insoluble	357	3-22

Pollutant or Parameter	Code number	Page number
RESPIRABLE PARTICULATES	3	3-1
ALIPHATIC COMPOUNDS (chart)	36	3-23
Gross Hydrocarbons	361	3-24
Hydrocarbons	362	3-24
Alcohols and Ethers	363	3-24
Carboxylic Acids and Esters	364	3-25
Aldehydes and Ketones	365	3-26
Other Oxygen Compounds	366	3-27
Nitrogen Compounds	367	3-27
Halogen Compounds	368	3-27
Miscellaneous	369	3-27
AROMATIC COMPOUNDS (chart)	37	3-29
Simple and Gross Hydrocarbons	371	3-30
Complex Hydrocarbons	372	3-31
Phenols and Ethers	373	3-32
Carboxylic Acids and Esters	374	3-33
Aldehydes and Ketones	375	3-33
Other Oxygen Compounds	376	3-33
Nitrogen Compounds	377	3-33
Halogen Compounds	378	3-33
Miscellaneous	379	3-33
HETEROCYCLIC COMPOUNDS (chart)	38	3-35
Nitrogen Compounds	381	3-36
Oxygen Compounds	382	3-36
Sulfur Compounds	383	3-36
Nitrogen and Oxygen Compounds	384	3-36
Sulfur and Oxygen Compounds	385	3-36
Sulfur and Nitrogen Compounds	386	3-36
Other	387	3-36

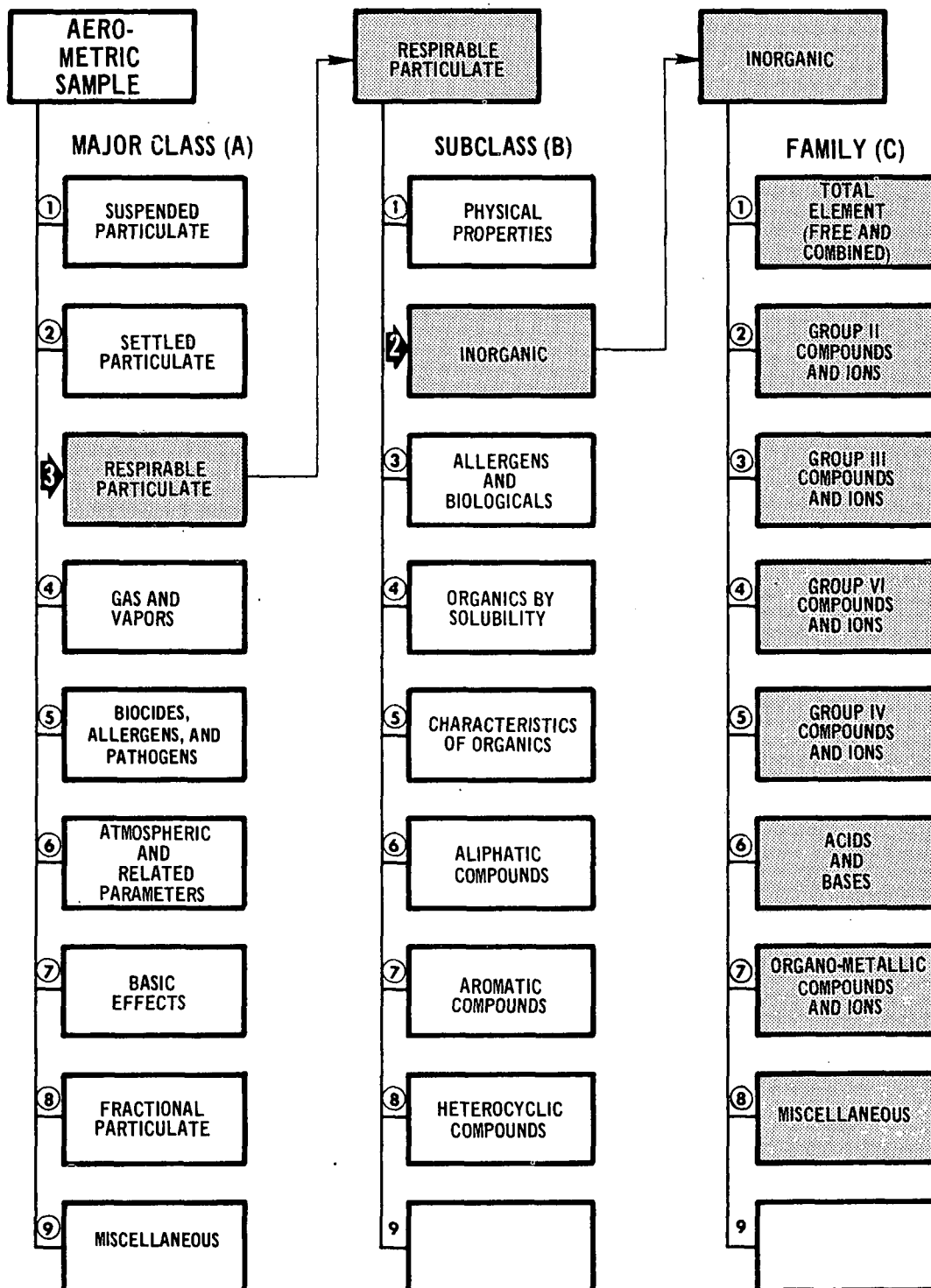
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
PHYSICAL PROPERTIES	31
Weight Relationships	311
Particulate	31101
Organic (total) fraction	31102
Benzene soluble organic fraction	31103
Polynuclear hydrocarbons	31104
Water soluble organics	31105
Amine B	31106
Strong acid	31107
Weak acid	31108
Neutral fraction	31109
Aliphatic fraction	31110
Aromatic fraction	31111
Oxygenated neutral fraction	31112
Inorganic fraction	31113
Optical Measurements	312
Transmission	31201
Reflectance	31202
Radiological Data	313
Alpha (gross)	31301
Beta (gross)	31302
Gamma	31303
Neutron	31304
Gross	31305
Argon - 41	31306
Barium - 140	31307
Carbon - 14	31308
Cerium - 141	31309
Cerium - 142	31310
Cerium - 144	31311
Cesium - 137	31312
Cobalt - 60	31313
Hydrogen - 3	31314
Iodine - 126	31315
Iodine - 131	31316
Krypton - 81-85	31317
Lanthanum - 140	31318
Molybdenum - 93	31319

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
PHYSICAL PROPERTIES	31
Radiological Data	313
Niobium - 95	31320
Palladium - 107	31321
Plutonium - 239	31322
Potassium - 40	31323
Potassium - 42	31324
Praseodymium - 144	31325
Radium - 226	31326
Radon - 222	31327
Rare earth elements	31328
Rhodium - 102	31329
Rubidium - 85	31330
Ruthenium - 97-103	31331
Strontium - 89	31332
Strontium - 90	31333
Thallium - 204	31334
Thorium - 232	31335
Tungsten - 138	31336
Uranium - 235	31337
Uranium - 238	31338
Xenon - 133	31339
Yttrium - 90	31340
Zinc - 65	31341
Lead - 210	31342

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
INORGANIC	32
Total Element (Free and Combined)	321
Aluminum	32101
Antimony	32102
Arsenic	32103
Argon	32104
Beryllium	32105
Bismuth	32106
Barium	32107
Boron	32108
Bromine	32109
Cadmium	32110
Calcium	32111
Chromium	32112
Cobalt	32113
Copper	32114
Chlorine	32115
Carbon	32116
Cerium	32117
Cesium	32118
Dysprosium	32119
Erbium	32120
Europium	32121
Fluorine	32122
Gadolinium	32123
Gallium	32124
Germanium	32125
Iron	32126
Hafnium	32127
Lead	32128
Holmium	32129
Hydrogen	32130
Indium	32131
Manganese	32132
Iridium	32133
Molybdenum	32134
Krypton	32135
Nickel	32136

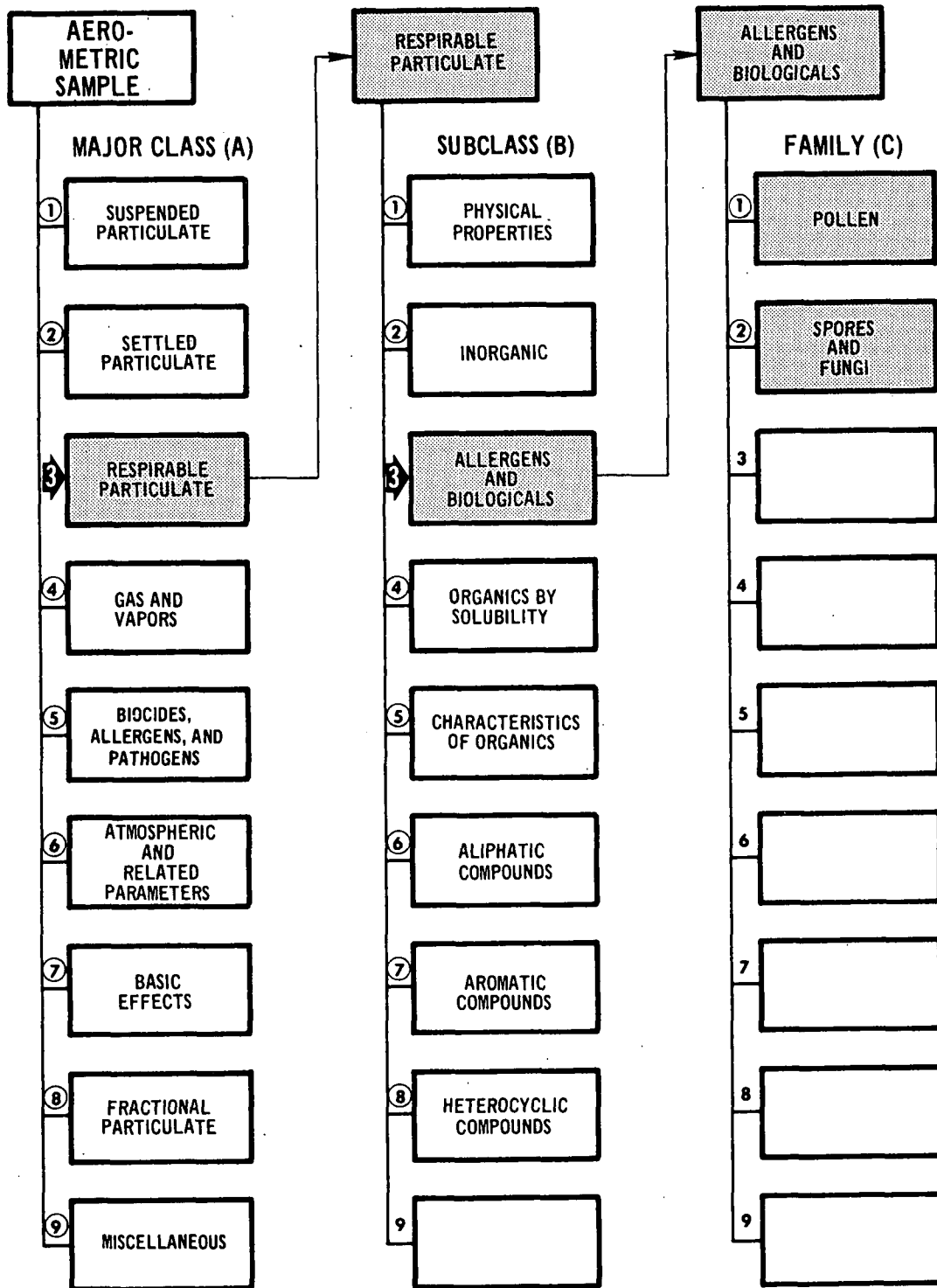
POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
INORGANIC	32
Total Element (Free and Combined)	321
Helium	32137
Lithium	32138
Lutetium	32139
Magnesium	32140
Iodine	32141
Mercury	32142
Gold	32143
Neodymium	32144
Neon	32145
Lanthanum	32146
Niobium	32147
Nitrogen	32148
Osmium	32149
Oxygen	32150
Palladium	32151
Phosphorus	32152
Platinum	32153
Selenium	32154
Praseodymium	32155
Protactinium	32156
Radium	32157
Rhenium	32158
Rhodium	32159
Tin	32160
Titanium	32161
Samarium	32162
Scandium	32163
Vanadium	32164
Silicon	32165
Silver	32166
Zinc	32167
Strontium	32168
Sulfur	32169
Tantalum	32170
Tellurium	32171
Terbium	32172

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
INORGANIC	32
Total Element (Free and Combined)	321
Thallium	32173
Thorium	32174
Thulium	32175
Rubidium	32176
Ruthenium	32177
Tungsten	32178
Uranium	32179
Potassium	32180
Xenon	32181
Ytterbium	32182
Yttrium	32183
Sodium	32184
Zirconium	32185
Group II Compounds and Ions	322
Bromide ion	32201
Fluoride ion	32202
Chloride ion	32203
Iodide ion	32204
Chlorate ion	32205
Perchlorate ion	32206
Bromate ion	32207
Sodium chloride	32210
Potassium chloride	32211
Calcium chloride	32212
Ammonium chloride	32213
Sodium bromide	32230
Potassium bromide	32231
Sodium iodide	32250
Potassium iodide	32251
Potassium fluoride	32270
Sodium fluoride	32271
Sodium fluorosilicate	32275
Calcium fluorosilicate	32276
Group III Compounds and Ions	323
Ammonium ion	32301
Cyanide ion	32304

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
INORGANIC	32
Group III Compounds and Ions	323
Nitrate ion	32306
Nitrite ion	32309
Hydrazine	32310
Hydrazoic acid	32311
Ammonium chloride	32320
Ammonium nitrate	32321
Ammonium sulfate	32322
Phosphoric acid	32340
Calcium phosphate	32341
Phosphorus pentasulfide	32342
Phosphate ion	32345
Hydrogen phosphate ion	32346
Dihydrogen phosphate ion	32347
Group VI Compounds and Ions	324
Sulfide ion	32401
Sulfuric acid	32402
Sulfate ion	32403
Thiosulfate ion	32404
Sulfite ion	32410
Ferrous sulfide	32411
Ferric sulfide	32412
Ferrous sulfate	32413
Ferric sulfate	32414
Barium sulfate	32415
Chromium trioxide	32417
Sodium dichromate	32418
Zinc oxide	32430
Aluminum oxide	32431
Water	32450
Group IV Compounds and Ions	325
Carbonate ion	32501
Bicarbonate ion	32502
Carbon boride	32510
Silicon carbide	32511
Silicate ion	32550
Silicon dioxide	32551

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
INORGANIC	32
Acids and Bases	326
Total acidity H+	32601
Hydrogen ion concentration pH	32602
Bicarbonate ion	32603
Sulfuric acid	32604
Nitric acid	32605
Hydrochloric acid	32606
Total alkalinity	32650
Hydroxide ion concentration	32651
Carbonate ion	32652
Calcium hydroxide	32653
Organo-Metallic Compounds and Ions	327
Miscellaneous	328

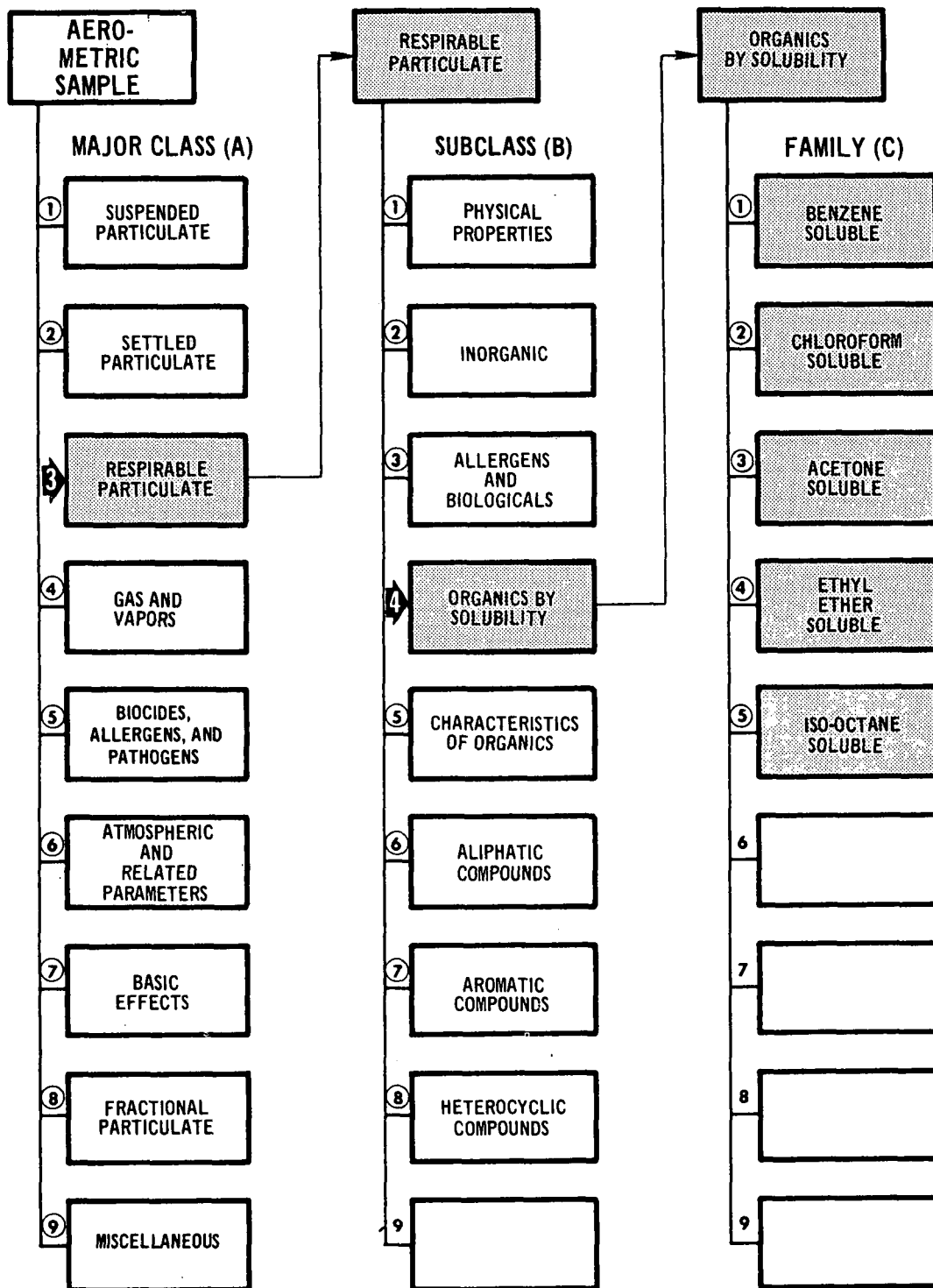
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALLERGENS AND BIOLOGICALS	33
Pollen	331
Abies	33101
Aren	33102
Amaranthacea	33103
Ambrosia	33104
Artemisia	33105
Betulaceae	33106
Carya	33107
Chenopodiaceae	33108
Cyperaceae	33109
Fagus	33110
Gramineae	33111
Iva	33112
Iva xanthifolia	33113
Juglans	33114
Juniperus	33115
Myricaceae	33116
Picea	33117
Pinus	33118
Plantago	33119
Plantanus	33120
Populus	33121
Quercus	33122
Rumex	33123
Salix	33124
Solidago	33125
Tilia	33126
Tsuga	33127
Ulmus	33128
Spores and Fungi	332
Algae spores	33201
Yeast spores (blastomycetes)	33202
Saccharomycetes	33203
Fungi spores (eumycetes)	33204
Pichia spores	33205
Schizomycetes	33206
Endomyces sp	33207

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALLERGENS AND BIOLOGICALS	33
Spores and Fungi	332
Oospora sp	33208
Phycomycetes	33209
Basidiomycetes	33210
Ascomycetes	33211
Fungi imperfecti	33212
Mucedinaceae	33213
Dematiaceae	33214

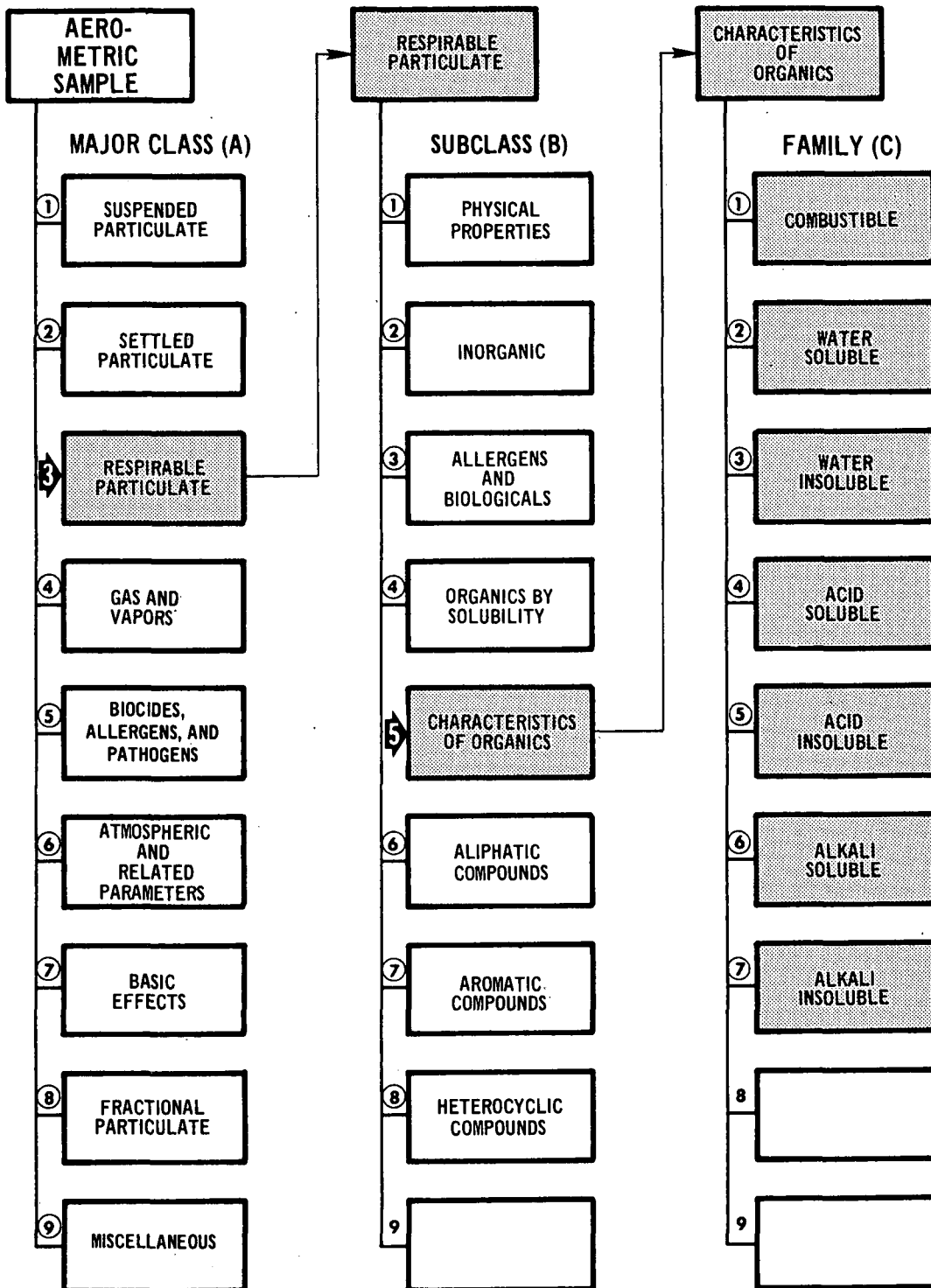
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ORGANICS BY SOLUBILITY	34
Benzene Soluble	341
Total benzene soluble organics	34101
Aliphatic fraction	34102
Aromatic fraction	34103
Acid extract fraction	34104
Amine group fraction	34105
Neutral fraction	34106
Weak acid fraction	34107
Strong acid fraction	34108
Water soluble fraction	34109
Water-ether insoluble	34110
Oxygenated fraction	34111
Chloroform Soluble	342
Total chloroform soluble organics	34201
Aliphatic fraction	34202
Aromatic fraction	34203
Acid extract fraction	34204
Amine group fraction	34205
Neutral fraction	34206
Weak acid fraction	34207
Strong acid fraction	34208
Water soluble fraction	34209
Water-ether insoluble	34210
Oxygenated fraction	34211
Acetone Soluble	343
Total acetone soluble organics	34301
Aliphatic fraction	34302
Aromatic fraction	34303
Acid extract fraction	34304
Amine group fraction	34305
Neutral fraction	34306
Weak acid fraction	34307
Strong acid fraction	34308
Water soluble fraction	34309
Water-ether insoluble	34310
Oxygenated fraction	34311

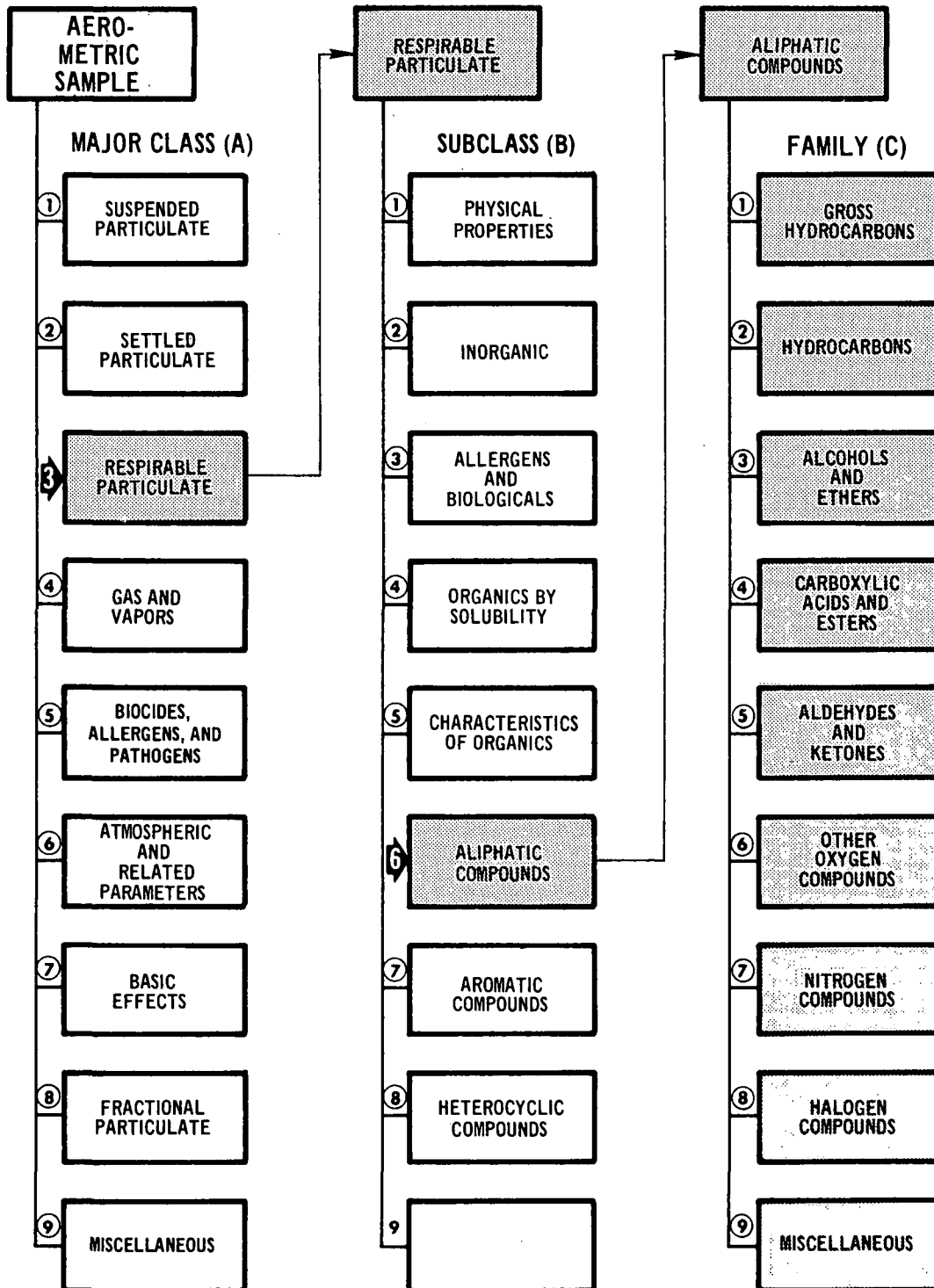
POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ORGANICS BY SOLUBILITY	34
Ethyl Ether Soluble	344
Total ethyl ether soluble organics	34401
Aliphatic fraction	34402
Aromatic fraction	34403
Acid extract fraction	34404
Amine group fraction	34405
Neutral fraction	34406
Weak acid fraction	34407
Strong acid fraction	34408
Water soluble fraction	34409
Water-ether insoluble	34410
Oxygenated fraction	34411
<u>Iso</u> -Octane Soluble	345
Total <u>iso</u> -octane soluble organics	34501
Aliphatic fraction	34502
Aromatic fraction	34503
Acid extract fraction	34504
Amine group fraction	34505
Neutral fraction	34506
Weak acid fraction	34507
Strong acid fraction	34508
Water-soluble fraction	34509
Water-ether insoluble	34510
Oxygenated fraction	34511

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
CHARACTERISTICS OF ORGANICS	35
Combustible	351
Loss on 500 degrees centigrade ignition	35101
Residue after ignition	35102
Water Soluble	352
Water Insoluble	353
Acid Soluble	354
Acid Insoluble	355
Alkali Soluble	356
Alkali Insoluble	357

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



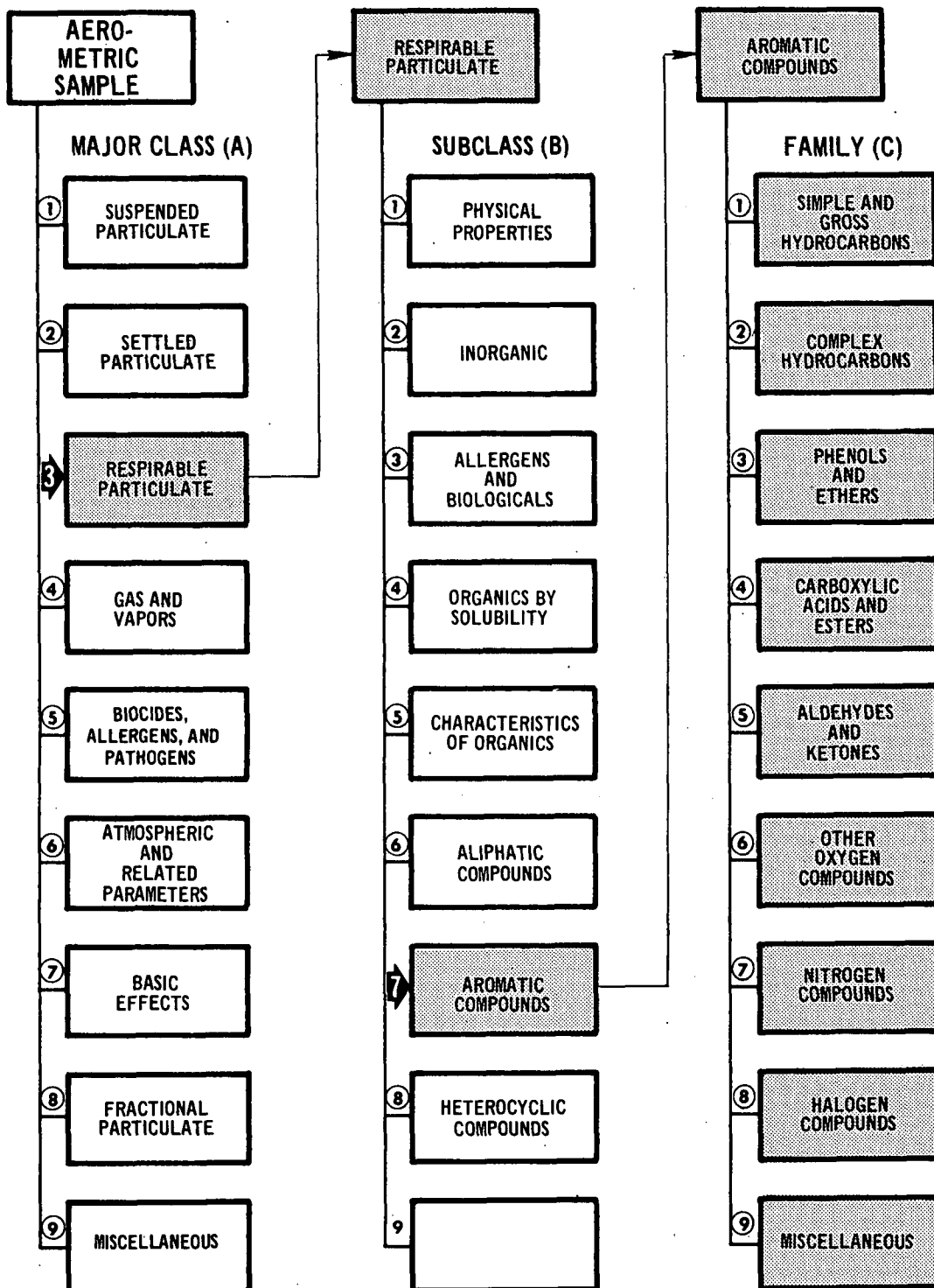
POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALIPHATIC COMPOUNDS	36
Gross Hydrocarbons	361
Hydrocarbons	362
Heptane	36201
Octane	36202
Nonane	36203
Decane	36204
Undecane	36205
Dodecane	36206
Tridecane	36207
Tetradecane	36208
Pentadecane	36209
Hexadecane	36210
Heptadecane	36211
Octadecane	36212
Nonadecane	36213
Eicosane	36214
Hemeicosane	36215
Docosane	36216
Tricosane	36217
Tetracosane	36218
Pentacosane	36219
Hexacosane	36220
Heptacosane	36221
Octacosane	36222
Cyclohexane	36223
Cycloheptane	36224
Cyclooctane	36225
Heptene-1	36226
Octene-1	36227
Alcohols and Ethers	363
Butyl alcohol	36301
<u>iso</u> -butyl alcohol	36302
<u>sec</u> -butyl alcohol	36303
<u>tert</u> -butyl alcohol	36304
<u>n</u> -amyl alcohol	36305
<u>iso</u> -amyl alcohol	36306
<u>tert</u> -amyl alcohol	36307

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALIPHATIC COMPOUNDS	36
Alcohols and Ethers	363
<u>n</u> -hexyl alcohol	36308
Cyclohexanol	36309
<u>n</u> -octyl alcohol	36310
Capryl alcohol (octanol-2)	36311
Decyl alcohol	36312
Lauryl alcohol	36313
Myristyl alcohol	36314
Cetyl alcohol	36315
Stearyl alcohol	36316
Di- <u>n</u> -butyl ether	36340
Di- <u>n</u> -amyl ether	36341
Di- <u>iso</u> -amyl ether	36342
Di- <u>n</u> -hexyl ether	36343
Di-chloromethyl ether	36344
Di-(β -chloroethyl) ether	36346
Ethylene glycol dimethyl ether	36347
Divinyl ether	36348
Diallyl ether	36349
Carboxylic Acids and Esters	364
Propionic acid	36401
<u>n</u> -butyric acid	36402
<u>iso</u> -butyric acid	36403
<u>n</u> -valeric acid	36404
Trimethylacetic acid	36405
Caproic acid	36406
<u>n</u> -heptylic acid	36407
Caprylic acid	36408
Pelargonic acid	36409
Fluoroacetic acid	36410
Chloroacetic acid	36411
Bromoacetic acid	36412
Iodoacetic acid	36413
Dichloroacetic acid	36414
Trichloroacetic acid	36415
α -chloropropionic acid	36416
β -chloropropionic acid	36417

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALIPHATIC COMPOUNDS	36
Carboxylic Acids and Esters	364
Glycolic acid	36418
Lactic acid	36419
Methoxyacetic acid	36420
Thioglycolic acid	36421
Cyanoacetic acid	36422
Glyoxylic acid	36423
Acrylic acid	36425
Vinylacetic acid	36426
Phenylacetic acid	36427
Formic acid	36428
Acetic acid	36429
Crotonic acid	36430
Oxalic acid	36431
Malonic acid	36432
Succinic acid	36433
Glutaric acid	36434
Adipic acid	36435
Pimelic acid	36436
Suberic acid	36437
Azelaic acid	36438
Sebacic acid	36439
Aldehydes and Ketones	365
Caproaldehyde	36501
Heptaldehyde	36502
Hexanone-2	36504
Hexanone-3	36505
Di- <u>n</u> -propyl ketone	36506
Di- <u>iso</u> -propyl ketone	36507
Di- <u>iso</u> -butyl ketone	36508
Di- <u>n</u> -amyl ketone	36509
Stearone	36510
Chloroacetone	36511
Dichloroacetone	36512
Acetylacetone	36513
Mesityl oxide	36514
Phorone	36515

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
ALIPHATIC COMPOUNDS	36
Aldehydes and Ketones	365
Cyclohexanone	36516
Acrolein	36517
Other Oxygen Compounds	366
Nitrogen Compounds	367
Tri- <u>n</u> -propylamine	36701
Hexylamine	36702
Laurylamine	36703
Trimethylenediamine	36704
Tetramethylenediamine	36705
Pentamethylenediamine	36706
Hexamethylenediamine	36707
Ethanolamine	36708
Diethanolamine	36709
Triethanolamine	36710
Acrylonitrile	36711
Halogen Compounds	368
Methylene iodide	36801
Bromoform	36802
Carbon tetrabromide	36803
Ethylene dibromide	36804
1,1-dibromoethane	36805
1,1,2,2-tetrachloroethane	36806
Hexachloroethane	36807
1,3-dibromopropane	36808
1,4-dibromobutane	36809
1,5-dibromopentane	36810
1,6-dibromohexane	36811
Miscellaneous	369

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



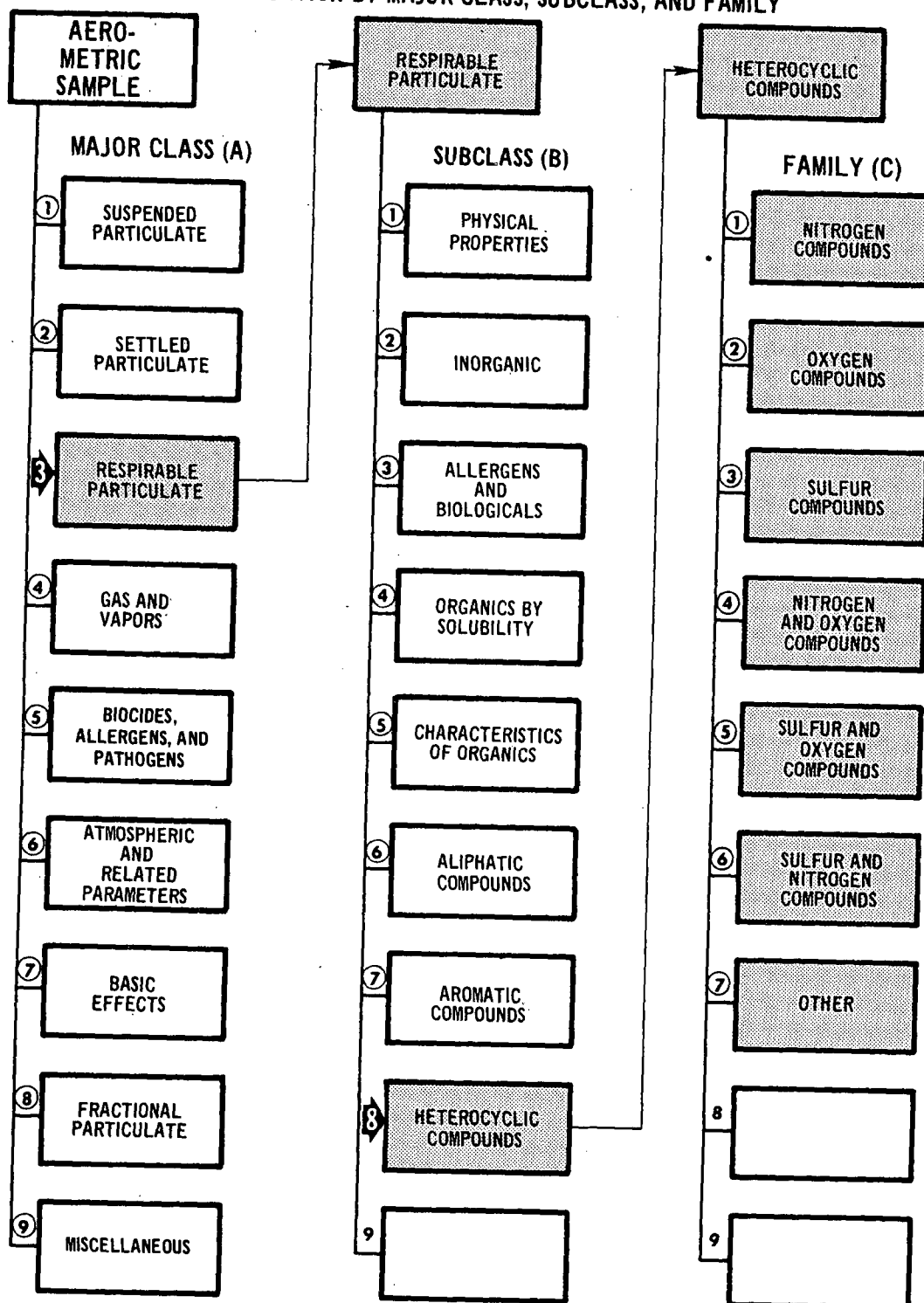
POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
AROMATIC COMPOUNDS	37
Simple and Gross Hydrocarbon	371
Benzene	37101
Toluene	37102
Ethylbenzene	37103
<u>n</u> -propylbenzene	37104
<u>iso</u> -propylbenzene	37105
<u>n</u> -butylbenzene	37106
<u>sec</u> -butylbenzene	37107
<u>tert</u> -butylbenzene	37108
Styrene	37109
Allylbenzene	37110
<u>o</u> -xylene	37111
<u>m</u> -xylene	37112
<u>p</u> -xylene	37113
<u>o</u> -ethyltoluene	37114
<u>m</u> -ethyltoluene	37115
<u>p</u> -ethyltoluene	37116
<u>p</u> -cymene	37117
<u>o</u> -diethylbenzene	37118
<u>m</u> -diethylbenzene	37119
<u>p</u> -diethylbenzene	37120
1,2,3-trimethylbenzene (hemimellitene)	37121
1,2,4-trimethylbenzene (pseudocumene)	37122
1,3,5-trimethylbenzene (mesitylene)	37123
1,2,3,4-tetramethylbenzene (prehnitene)	37124
1,2,3,5-tetramethylbenzene (isodurene)	37125
1,2,4,5-tetramethylbenzene (durene)	37126
Pentamethylbenzene	37127
Hexamethylbenzene	37128
1,3,5-triethylbenzene	37129
Diphenylmethane	37131
Triphenylmethane	37132
Tetraphenylmethane	37133
Stilbene	37134
1,1-diphenylethane	37135
1,2-diphenylethane	37136

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
AROMATIC COMPOUNDS	37
Simple and Gross Hydrocarbons	371
Diphenyl	37137
p-terphenyl	37138
p-quaterphenyl	37139
1,3,5-triphenylbenzene	37140
Naphthalene	37141
α -methylnaphthalene	37142
β -methylnaphthalene	37143
Indene	37145
Azulene	37146
Acenaphthene	37147
Acenaphthalene	37148
Fluorene	37149
Phenanthrene	37150
Anthracene	37151
2-methylanthracene	37152
Complex Hydrocarbons	372
Fluoranthene	37201
8-methylfluoranthene	37202
Pyrene	37204
1-methylpyrene	37205
4-methylpyrene	37206
2,7-dimethylpyrene	37207
Chrysene	37208
Anthanthrene	37210
Coronene	37211
Perylene	37212
Naphthacene	37213
Benzo(c)phenanthrene	37214
Benzo(a)anthracene	37215
11h-benzo(b)fluorene	37216
11h-benzo(a)fluorene	37217
7h-benzo(c)fluorene	37218
Dibenzo(a,i)fluorene	37219
Benzo(b)fluoranthene	37220
Benzo(g,h,i)fluoranthene	37221
Benzo(j)fluoranthene	37222

POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
AROMATIC COMPOUNDS	37
Complex Hydrocarbons	372
Benzo(k)fluoranthene	37223
Benzo(e)pyrene	37224
Naphtho(2,3-a)pyrene	37226
Dibenzo(a,e)pyrene	37227
Dibenzo(a,i)pyrene	37228
Dibenzo(a,h)pyrene	37229
Dibenzo(b,h)phenanthrene	37230
Dibenzo(a,h)anthracene	37231
Tribenzo(a,c,h)anthracene	37232
Benzo(a)naphthacene	37233
Dibenzo(a,l)naphthacene	37234
Dibenzo(a,j)naphthacene	37235
Dibenzo(a,c)naphthacene	37236
Benzo(g,h,i)perylene	37237
Dibenzo(b,p,g,r)perylene	37238
Benzo(a)pyrene	37242
Phenols and Ethers	373
<u>o</u> -cresol	37301
<u>m</u> -cresol	37302
<u>p</u> -cresol	37303
<u>o</u> -chlorophenol	37304
<u>m</u> -chlorophenol	37305
<u>p</u> -chlorophenol	37306
<u>o</u> -bromophenol	37307
<u>m</u> -bromophenol	37308
<u>p</u> -bromophenol	37309
<u>o</u> -nitrophenol	37310
<u>m</u> -nitrophenol	37311
<u>p</u> -nitrophenol	37312
2,4-dinitrophenol	37313
3,5-dinitrophenol	37314
Resorcinol	37315
Hydroquinone	37316
Catechol	37317
Pyrogallol	37318
Phloroglucinol	37319

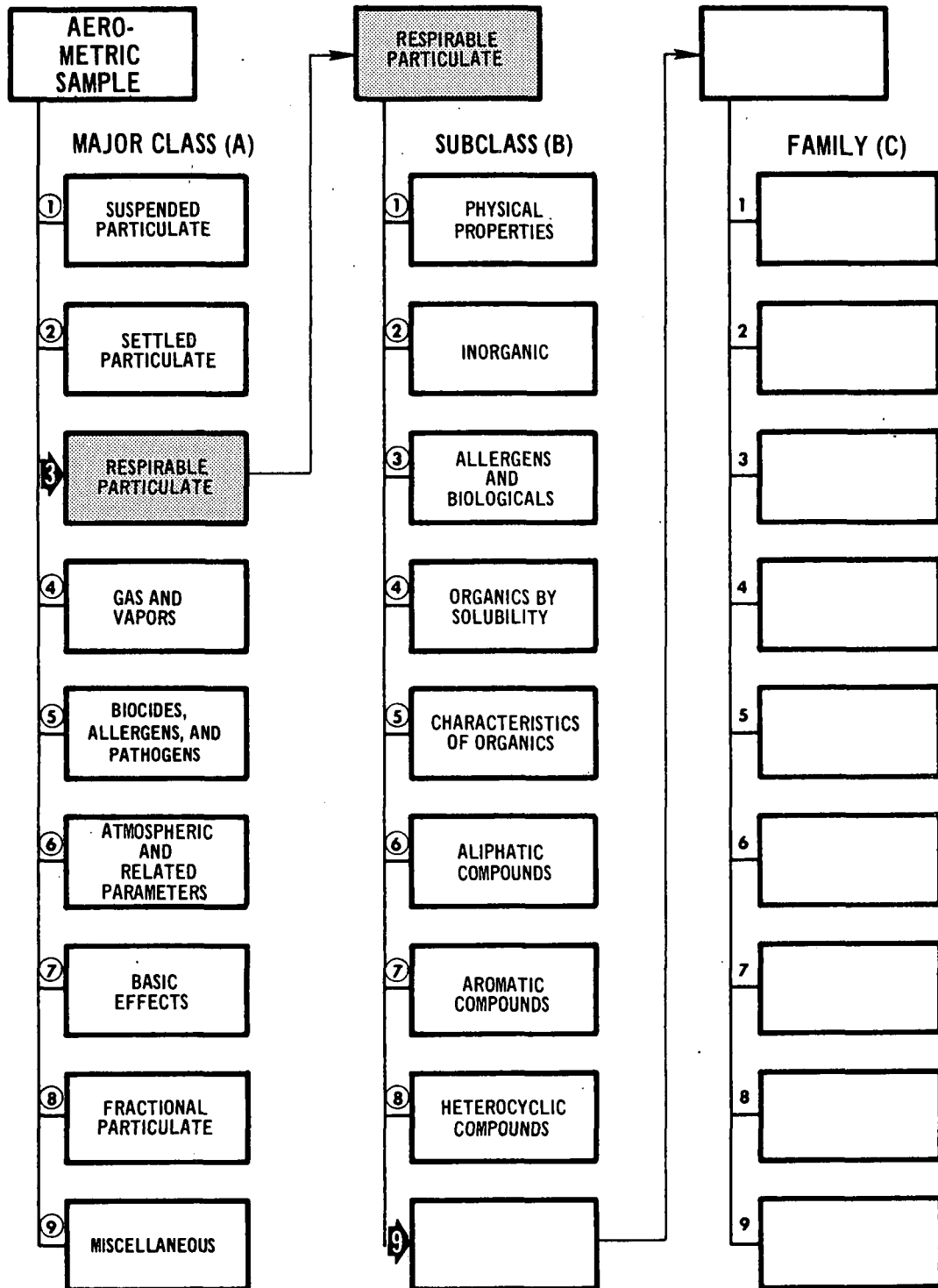
POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
AROMATIC COMPOUNDS	37
Phenols and Ethers	373
Anisole	37340
Phenetole	37341
Diphenyl ether	37342
<u>o</u> -anisidine	37343
<u>p</u> -anisidine	37344
Carboxylic Acids and Esters	374
Aldehydes and Ketones	375
Xanthen-9-one	37501
7h-benzo(d,e)anthracene-7-one(benzanthrone)	37502
Phenalen-1-one	37503
Other Oxygen Compounds	376
Nitrogen Compounds	377
Aniline	37701
<u>o</u> -phenylenediamine	37702
<u>m</u> -phenylenediamine	37703
<u>p</u> -phenylenediamine	37704
<u>o</u> -anisidine	37705
<u>p</u> -anisidine	37706
<u>o</u> -chloroaniline	37707
<u>m</u> -chloroaniline	37708
<u>p</u> -chloroaniline	37709
<u>o</u> -toluidine	37710
<u>m</u> -toluidine	37711
<u>p</u> -toluidine	37712
Diphenylamine	37713
Triphenylamine	37714
Benzidine	37715
Halogen Compounds	378
Miscellaneous	379

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
RESPIRABLE PARTICULATES	3
HETEROCYCLIC COMPOUNDS	38
Nitrogen Compounds	381
Pyridine	38101
α -picoline	38102
β -picoline	38103
γ -picoline	38104
Quinoline	38105
Isoquinoline	38106
Quinaldine	38107
Indole	38108
Acridine	38109
Carbazole	38110
Benzo(f)quinoline	38111
Benzo(h)quinoline	38112
Phenanthridine	38113
Benz(a)acridine	38114
Benz(c)acridine	38115
11h-benzo(a)carbazole	38116
5h-benzo(b)carbazole	38117
7h-benzo(b)carbazole	38118
Dibenz(a,b)acridine	38119
Dibenz(a,j)acridine	38120
Benzo(l,m,n)phenanthridine	38121
Indeno(1,2,3-l,j)isoquinoline	38122
9-acridanone	38123
Oxygen Compounds	382
Benzofuran	38201
Dibenzofuran	38202
Furfural	38203
Sulfur Compounds	383
Nitrogen and Oxygen Compounds	384
Sulfur and Oxygen Compounds	385
Sulfur and Nitrogen Compounds	386
Other	387

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

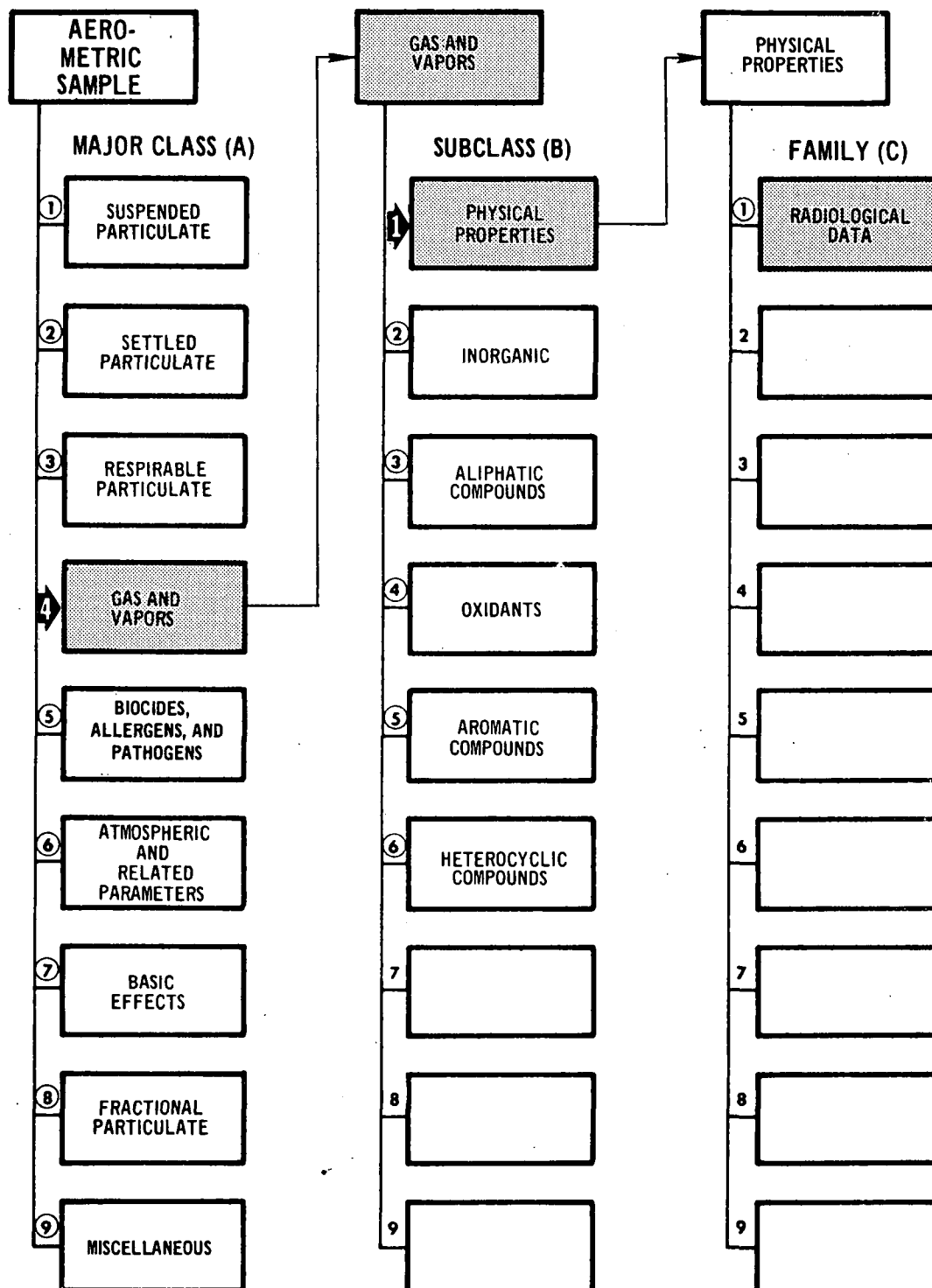


GASES AND VAPORS

Pollutant or Parameter	Code number	Page number
GASES AND VAPORS	4	4-1
PHYSICAL PROPERTIES (chart)	41	4-3
Radiological Data	411	4-4
INORGANIC (chart)	42	4-5
Group IV Compounds and Ions	421	4-6
Total Element (Free and Combined)	422	4-6
Acids and Bases	423	4-8
Group VI Compounds and Ions	424	4-8
Group VII Compounds and Ions	425	4-8
Group V Compounds and Ions	426	4-9
Organo-Metallic Compounds and Ions	427	4-9
Miscellaneous	428	4-9
ALIPHATIC COMPOUNDS (chart)	43	4-11
Gross Hydrocarbons	431	4-12
Hydrocarbons	432	4-12
Alcohols and Ethers	433	4-13
Carboxylic Acids and Esters	434	4-13
Aldehydes and Ketones	435	4-14
Other Oxygen Compounds	436	4-14
Nitrogen Compounds	437	4-14
Halogen Compounds	438	4-15
Miscellaneous	439	4-16
OXIDANTS (chart)	44	4-17
General	441	4-18
Inorganic Compounds	442	4-18
Organic Compounds	443	4-18
AROMATIC COMPOUNDS (chart)	45	4-19
Gross Hydrocarbons	451	4-20
Hydrocarbons	452	4-20
Phenols and Ethers	453	4-20
Carboxylic Acids and Esters	454	4-20

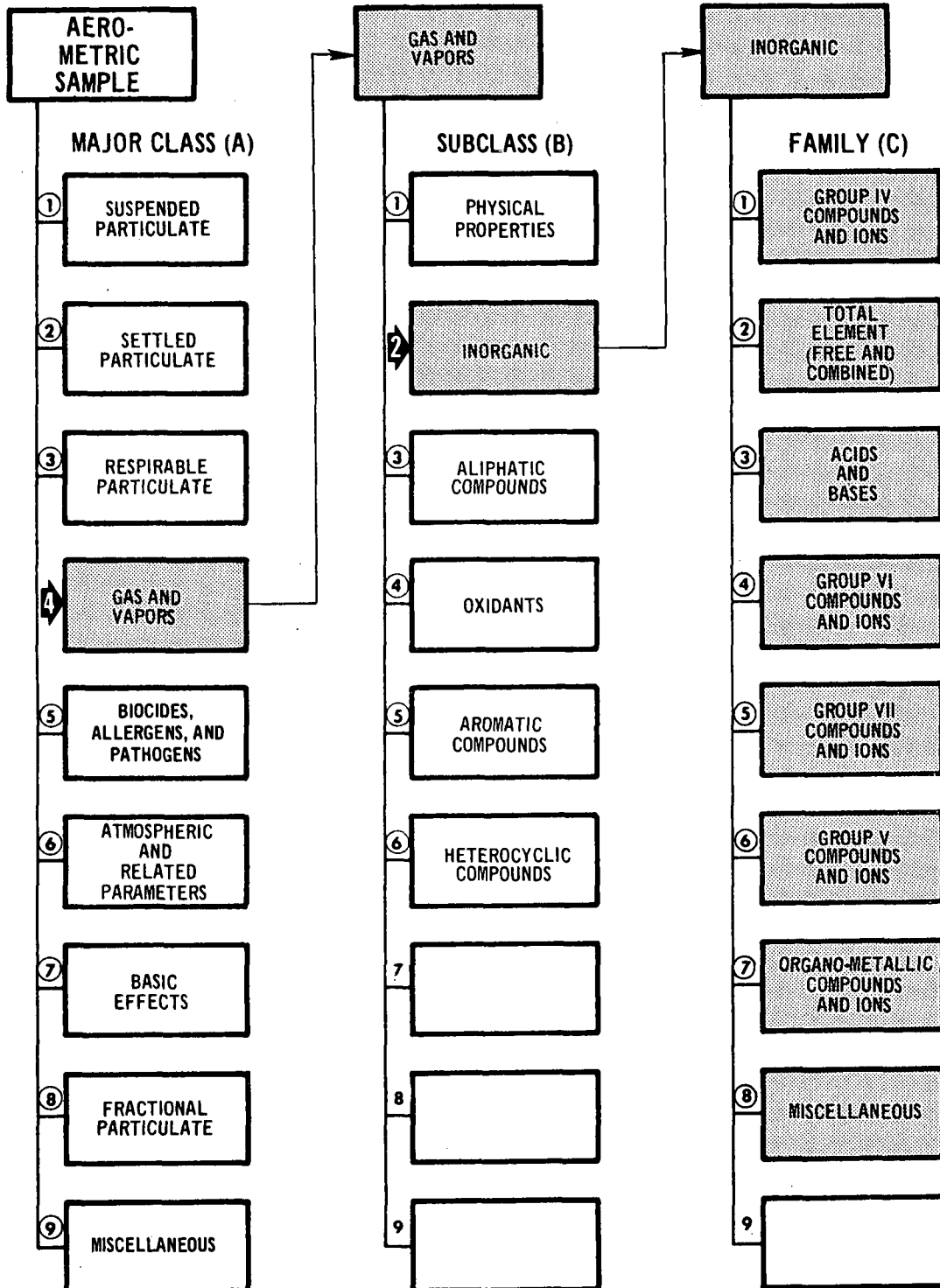
Pollutant or Parameter	Code number	Page number
GASES AND VAPORS	4	4-1
AROMATIC COMPOUNDS (chart)	45	4-19
Aldehydes and Ketones	455	4-20
Other Oxygen Compounds	456	4-20
Nitrogen Compounds	457	4-20
Halogen Compounds	458	4-21
Miscellaneous	459	4-21
HETEROCYCLIC COMPOUNDS (chart)	46	4-23
Nitrogen Compounds	461	4-24
Oxygen Compounds	462	4-24
Sulfur Compounds	463	4-24
Nitrogen and Oxygen Compounds	464	4-24
Sulfur and Oxygen Compounds	465	4-24
Sulfur and Nitrogen Compounds	466	4-24
Other	467	4-24

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
PHYSICAL PROPERTIES	41
Radiological Data	411

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



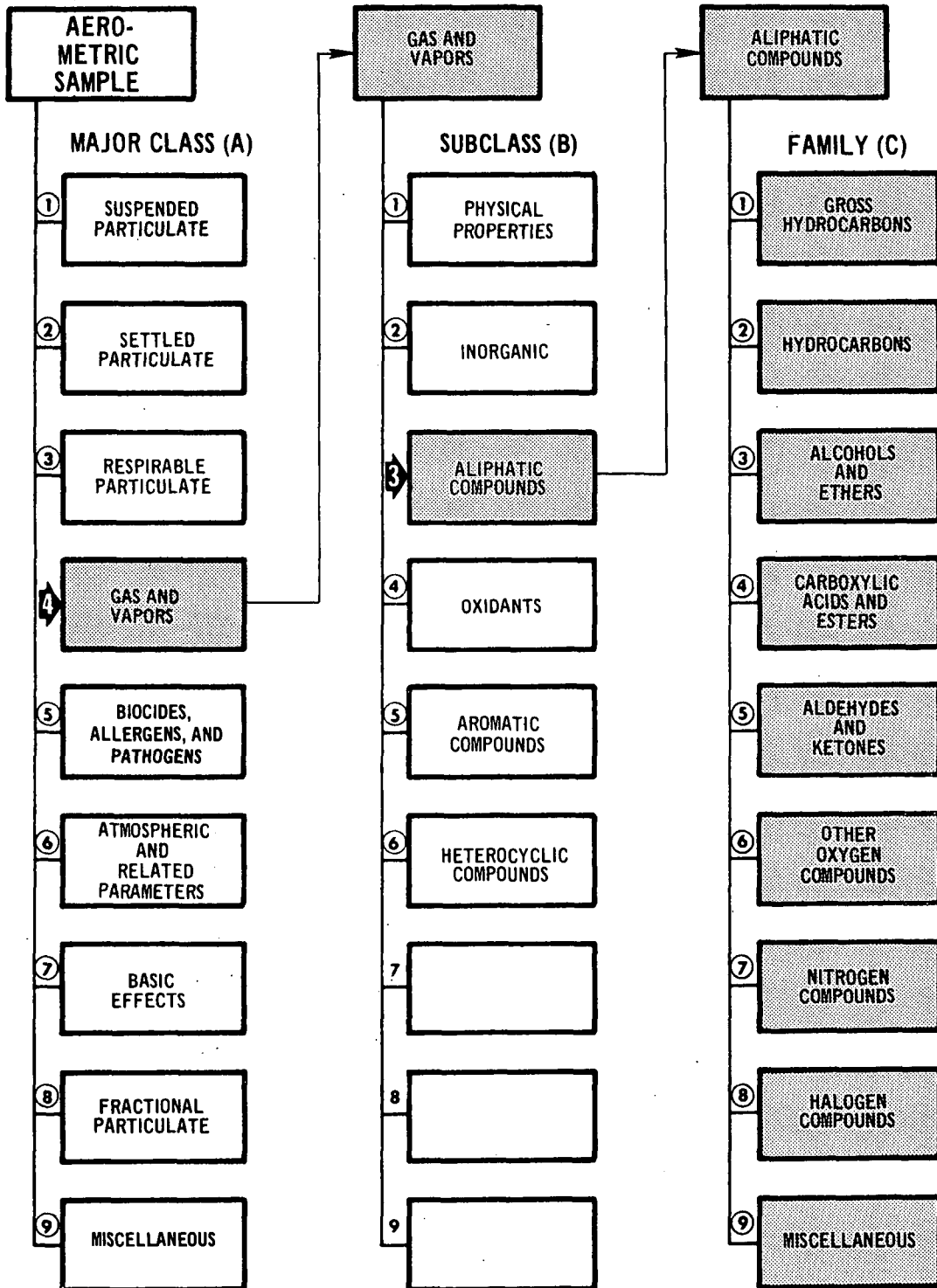
POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
INORGANIC	42
Group IV Compounds and Ions	421
Carbon monoxide	42101
Carbon dioxide	42102
Phosgene	42103
Carbon disulfide	42153
Carbon oxysulfide	42154
Total Element (Free and Combined)	422
Aluminum	42201
Antimony	42202
Argon	42203
Arsenic	42204
Barium	42205
Beryllium	42206
Bismuth	42207
Boron	42208
Bromine	42209
Cadmium	42210
Calcium	42211
Carbon	42212
Cerium	42213
Cesium	42214
Chlorine	42215
Chromium	42216
Cobalt	42217
Copper	42218
Dysprosium	42219
Erbium	42220
Europium	42221
Fluorine	42222
Gadolinium	42223
Gallium	42224
Germanium	42225
Gold	42226
Hafnium	42227
Helium	42228
Holmium	42229
Hydrogen	42230

POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
INORGANIC	42
Total Element (Free and Combined)	422
Indium	42231
Iodine	42232
Iridium	42233
Iron	42234
Krypton	42235
Lanthanum	42236
Lead	42237
Lithium	42238
Lutetium	42239
Magnesium	42240
Manganese	42241
Mercury	42242
Molybdenum	42243
Neodymium	42244
Neon	42245
Nickel	42246
Niobium	42247
Nitrogen	42248
Osmium	42249
Oxygen	42250
Palladium	42251
Phosphorus	42252
Platinum	42253
Potassium	42254
Praseodymium	42255
Protactinium	42256
Radium	42257
Rhenium	42258
Rhodium	42259
Rubidium	42260
Ruthenium	42261
Samarium	42262
Scandium	42263
Selenium	42264
Silicon	42265
Silver	42266

POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
INORGANIC	42
Total Element (Free and Combined)	422
Sodium	42267
Strontium	42268
Sulfur	42269
Tantalum	42270
Tellurium	42271
Terbium	42272
Thallium	42273
Thorium	42274
Thulium	42275
Tin	42276
Titanium	42277
Tungsten	42278
Uranium	42279
Vanadium	42280
Xenon	42281
Ytterbium	42282
Yttrium	42283
Zinc	42284
Zirconium	42285
Acids and Bases	423
Hydrogen bromide	42301
Hydrogen chloride	42302
Hydrogen fluoride	42303
Hydrogen iodide	42304
Nitric acid	42305
Sulfuric acid	42306
Group VI Compounds and Ions	424
Sulfur dioxide	42401
Hydrogen sulfide	42402
Carbon disulfide	42403
Carbon oxysulfide	42404
Sulfuric acid	42405
Sulfation rate	42410
Group VII Compounds and Ions	425
Hydrogen bromide	42501
Hydrogen chloride	42502

POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
INORGANIC	42
Group VII Compounds and Ions	425
Hydrogen fluoride	42503
Hydrogen iodide	42504
Boron trifluoride	42505
Boron trichloride	42506
Chloride trifluoride	42507
Bromide ion	42508
Iodide ion	42511
Fluoride ion	42513
Group V Compounds and Ions	426
Nitric oxide	42601
Nitrogen dioxide	42602
Oxides of nitrogen	42603
Ammonia	42604
Nitrous oxide	42605
Hydrazine	42606
Hydrogen cyanide	42607
Nitric acid	42608
Vanadium pentoxide	42650
Organo-Metallic Compounds and Ions	427
Nickel carbonyl	42701
Miscellaneous	428

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
ALIPHATIC COMPOUNDS	43
Gross Hydrocarbons	431
Total hydrocarbon	43101
Non-methane hydrocarbon	43102
Gasoline	43103
Hydrocarbons	432
Methane	43201
Ethane	43202
Ethylene	43203
Propane	43204
Propylene	43205
Acetylene	43206
Cyclopropane	43207
Propadiene	43208
Methylacetylene	43209
<u>n</u> -butane	43212
Butene	43213
<u>iso</u> -butane	43214
<u>iso</u> -butylene	43215
<u>trans</u> -2-butene	43216
<u>cis</u> -2-butene	43217
1,3-butadiene	43218
Ethylacetylene	43219
<u>n</u> -pentane	43220
<u>iso</u> -pentane	43221
2,2-dimethyl propane	43222
3-methyl-butene-1	43223
1-pentene	43224
2-methyl-1-butene	43225
<u>trans</u> -2-pentene	43226
<u>cis</u> -2-pentene	43227
2-methyl-2-butene	43228
2-methyl pentane	43229
3-methyl pentane	43230
Hexane	43231
Heptane	43232
Octane	43233
Nonane	43235

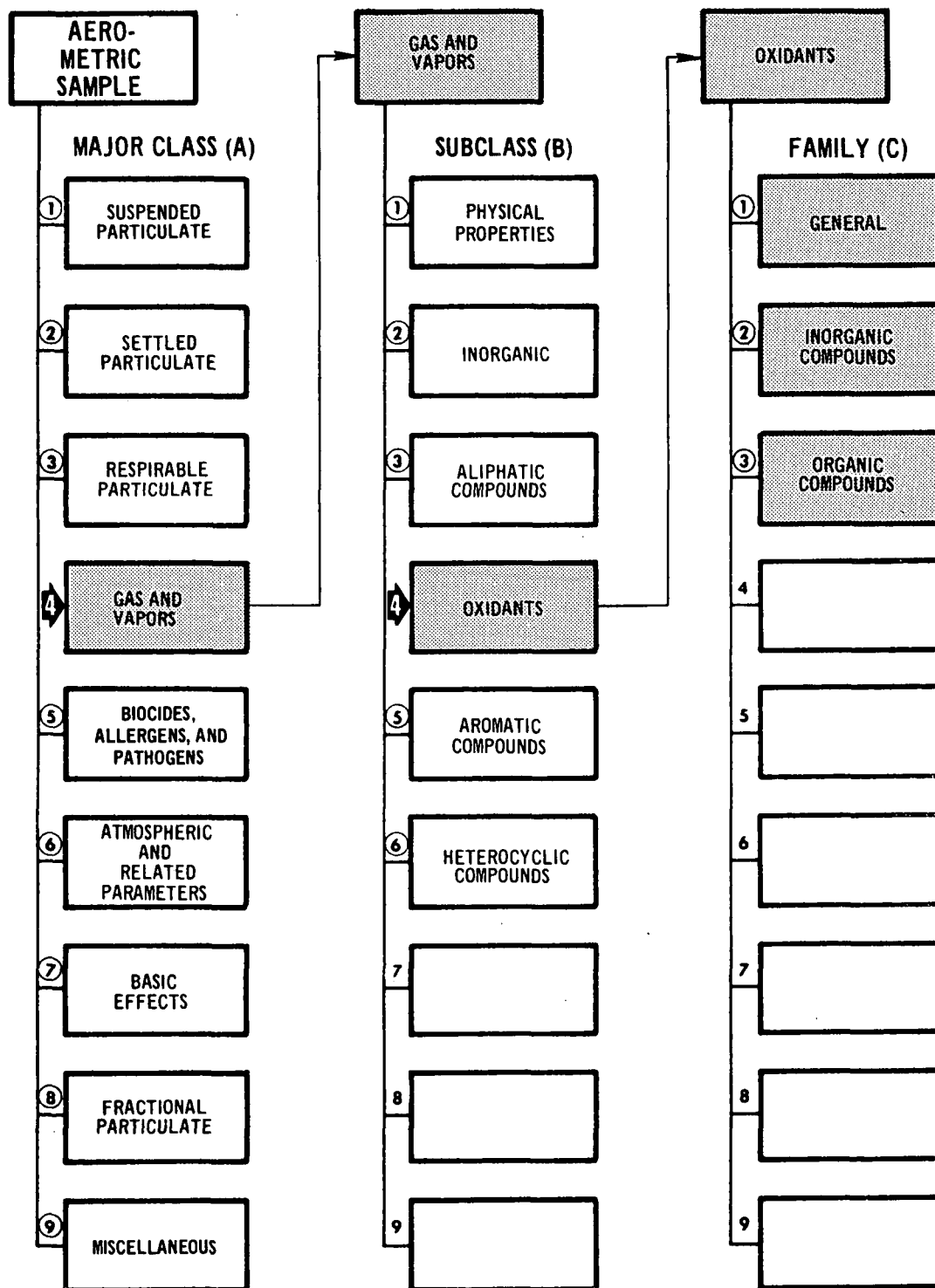
POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
ALIPHATIC COMPOUNDS	43
Hydrocarbons	432
<u>n</u> -decane	43238
Undecane	43241
Alcohols and Ethers	433
Methyl alcohol	43301
Ethyl alcohol	43302
<u>n</u> -propyl alcohol	43303
<u>iso</u> -propyl alcohol	43304
<u>n</u> -butyl alcohol	43305
<u>iso</u> -butyl alcohol	43306
<u>n</u> -amyl alcohol	43307
2-butoxy-ethanol (butyl cellosolve)	43308
<u>tert</u> -butyl alcohol	43309
2-methoxyethanol (methyl cellosolve)	43310
Allyl alcohol	43315
Methallyl alcohol	43316
Dimethyl ether	43350
Ethyl ether	43351
Dichloroethyl ether	43352
Allyl glycidyl ether	43364
Diglycidyl ether	43365
<u>iso</u> -propyl glycidyl ether	43366
Carboxylic Acids and Esters	434
Aliphatic acids	43401
Unsaturated acids	43402
Formic acid	43403
Acetic acid	43404
Propionic acid	43405
<u>n</u> -butyric acid	43406
Methyl formate	43430
Ethyl formate	43431
Methyl acetate	43432
Ethyl acetate	43433
<u>n</u> -propyl acetate	43434
<u>n</u> -butyl acetate	43435
<u>n</u> -amyl acetate	43436
Methyl acrylate	43437

POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
ALIPHATIC COMPOUNDS	43
Carboxylic Acids and Esters	434
Ethyl acrylate	43438
Propyl acrylate	43439
Butyl acrylate	43440
Methyl methacrylate	43441
Ethyl methacrylate	43442
Ethylene glycol monomethyl ether acetate	43443
Aldehydes and Ketones	435
Aliphatic aldehydes	43501
Formaldehyde	43502
Acetaldehyde	43503
Propionaldehyde	43504
Acrolein	43505
Chloroacetaldehyde	43506
Dichloroacetaldehyde	43507
Chloral	43508
Diacetone alcohol	43509
Aliphatic ketones	43550
Acetone	43551
Methyl ethyl ketone	43552
Diethyl ketone	43553
Dipropyl ketone	43554
Dibutyl ketone	43555
Diisobutyl ketone	43556
Methyl butyl ketone (hexanone)	43559
Methyl isobutyl ketone (hexone)	43560
Other Oxygen Compounds	436
Ethylene oxide	43601
Nitrogen Compounds	437
Hydrogen cyanide	43701
Acetonitrile	43702
Propionitrile	43703
Acrylonitrile	43704
Methylamine	43720
Ethylamine	43721
<u>n</u> -propylamine	43722

POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
ALIPHATIC COMPOUNDS	43
Nitrogen Compounds	437
<u>iso</u> -propylamine	43723
<u>n</u> -butylamine	43724
Dimethylamine	43735
Methyl ethylamine	43736
Diethylamine	43737
Trimethyl amine	43740
Triethyl amine	43741
Ethylene diamine (1,2-diaminoethane)	43750
1,3-diaminopropane	43751
1,4-diaminobutane	43752
1,5-diaminopentane	43753
1,6-diaminohexane	43754
1,1-dichloro-1-nitroethane	43770
Ethylene glycol dinitrate	43771
Nitroglycerine	43772
Ethylene imine	43773
Halogen Compounds	438
Methyl chloride	43801
Dichloromethane	43802
Chloroform	43803
Carbon tetrachloride	43804
Dibromomethane	43805
Bromoform	43806
Carbon tetrabromide	43807
Methyl iodide	43808
Diiodomethane	43809
Iodoform	43810
Ethyl chloride	43812
1,1-dichloroethane	43813
1,1,1-trichloroethane (methyl chloroform)	43814
1,2-dichloroethane (ethylene dichloride)	43815
Perchloroethylene	43817
1,1,2,2-tetrachloroethane	43818
Methyl bromide	43819
1,1,2-trichloroethane (trichloroethylene)	43820
Phosgene	43850

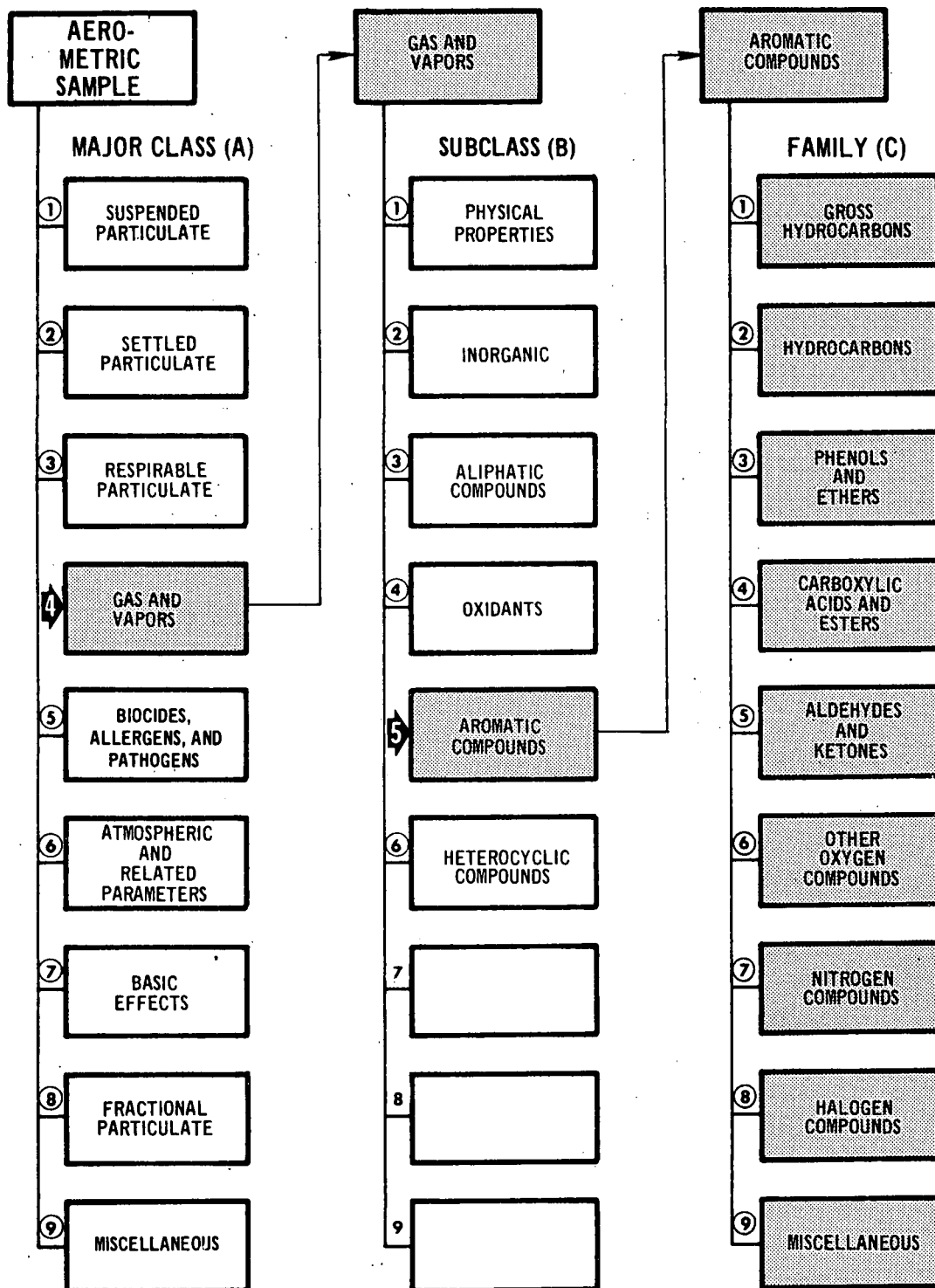
POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
ALIPHATIC COMPOUNDS	43
Halogen Compounds	438
Vinyl chloride	43860
Vinyl bromide	43861
Miscellaneous	439
Methyl mercaptan	43901
Ethyl mercaptan	43902
Propyl mercaptan	43903
<u>iso</u> -propyl mercaptan	43904
Butyl mercaptan	43905
<u>iso</u> -butyl mercaptan	43906
<u>tert</u> -butyl mercaptan	43907
Amyl mercaptan	43908
Dimethyl sulfide	43915
Diethyl sulfide	43916
Dimethyl disulfide	43925

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
OXIDANTS	44
General	441
Total oxidants	44101
Inorganic Compounds	442
Ozone	44201
Organic Compounds	443
Peroxyacetylnitrate	44301

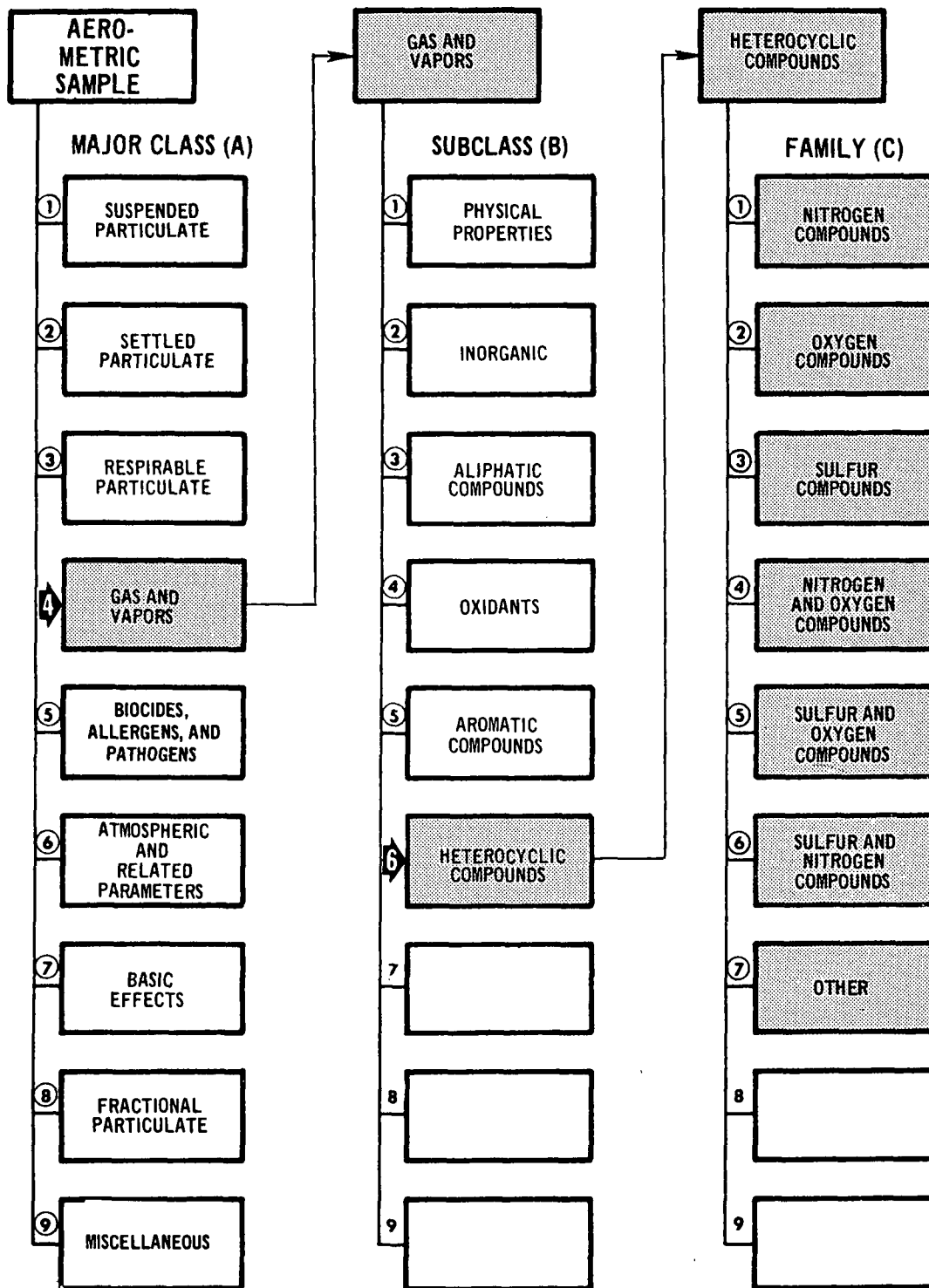
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
AROMATIC COMPOUNDS	45
Gross Hydrocarbons	451
Naphtha	45101
Xylene	45102
Hydrocarbons	452
Benzene	45201
Toluene	45202
Ethylbenzene	45203
<u>o</u> -xylene	45204
<u>m</u> -xylene	45205
<u>p</u> -xylene	45206
1,3,5-trimethylbenzene	45207
1,2,4-trimethylbenzene	45208
<u>n</u> -propylbenzene	45209
<u>Iso</u> -propylbenzene	45210
<u>o</u> -ethyltoluene	45211
<u>m</u> -ethyltoluene	45212
<u>p</u> -ethyltoluene	45213
<u>n</u> -butylbenzene	45214
<u>tert</u> -butylbenzene	45215
<u>sec</u> -butylbenzene	45216
<u>o</u> -diethylbenzene	45217
<u>m</u> -diethylbenzene	45218
<u>p</u> -diethylbenzene	45219
Styrene	45220
α -methylstyrene	45221
4-vinyltoluene	45222
3-vinyltoluene	45223
2-vinyltoluene	45224
Phenols and Ethers	453
Carboxylic Acids and Esters	454
Aldehydes and Ketones	455
Other Oxygen Compounds	456
Nitrogen Compounds	457
Aniline	45701
Methylene- <u>bis</u> -phenylisocyanate	45730
Toluene-2,4-diisocyanate	45731

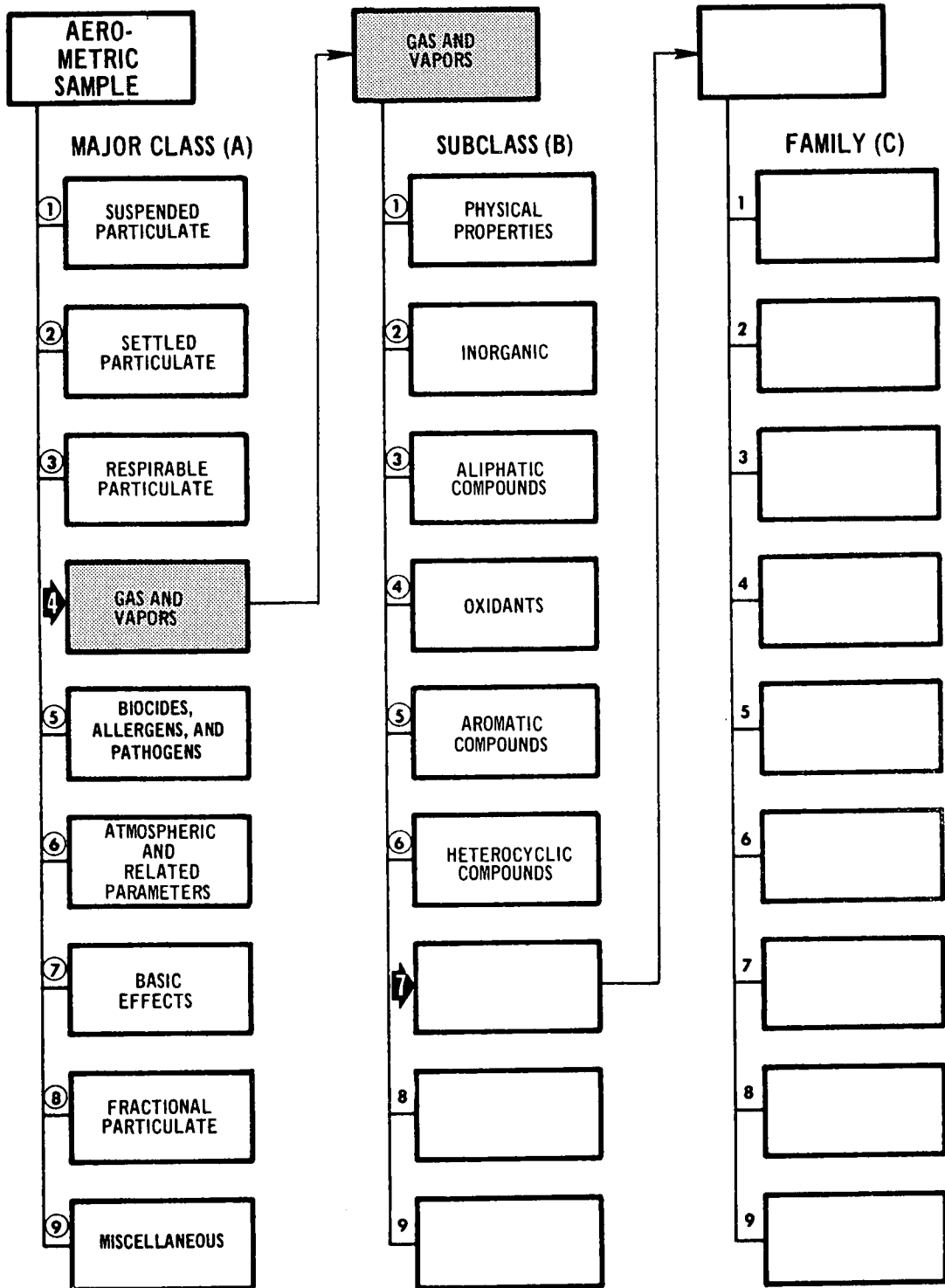
POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
AROMATIC COMPOUNDS	45
Halogen Compounds	458
Chlorobenzene	45801
Bromobenzene	45802
Fluorobenzene	45803
Iodobenzene	45804
<u>o</u> -dichlorobenzene	45805
<u>m</u> -dichlorobenzene	45806
<u>p</u> -dichlorobenzene	45807
Miscellaneous	459

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

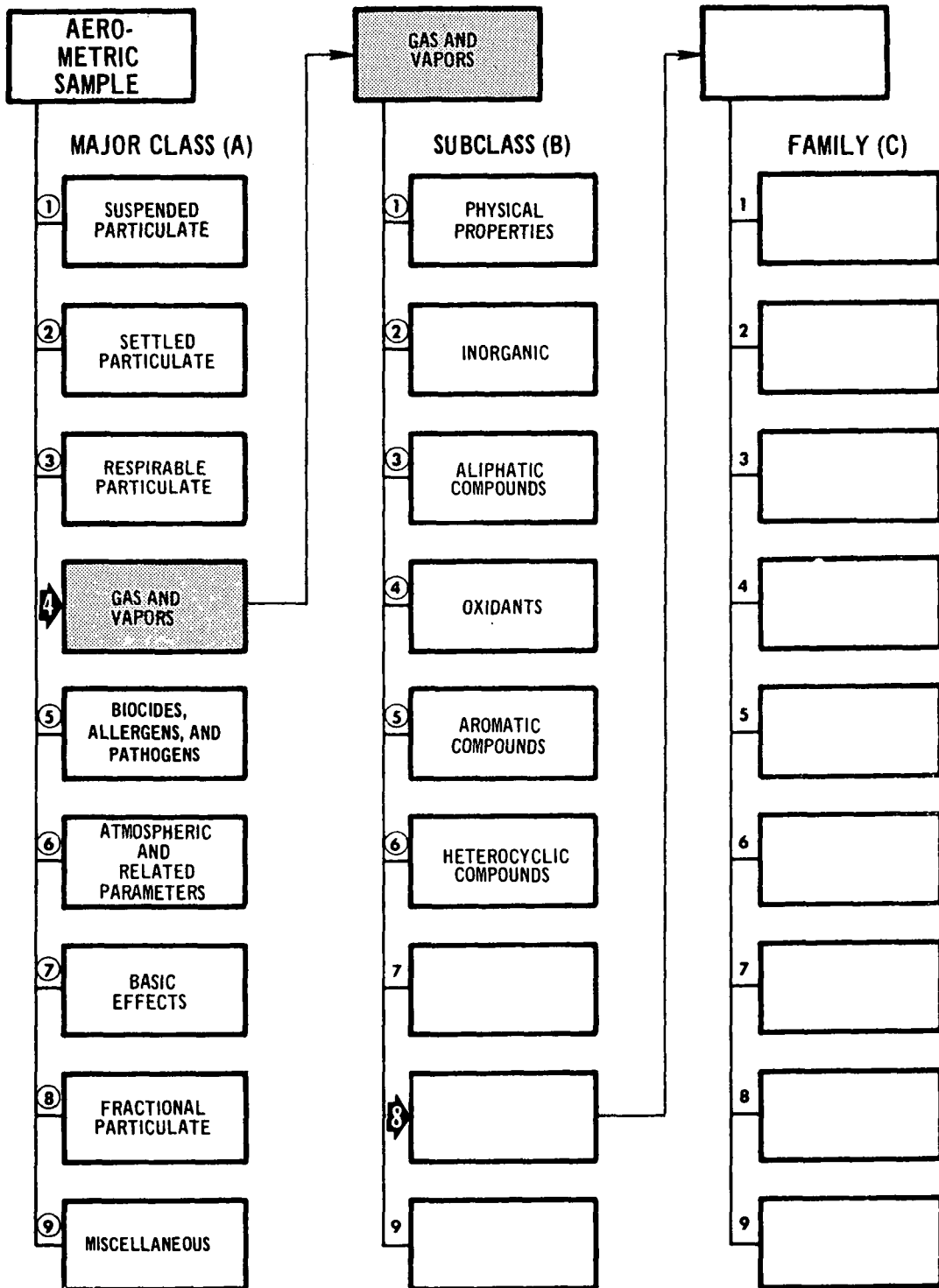


POLLUTANT OR PARAMETER	CODE
GASES AND VAPORS	4
HETEROCYCLIC COMPOUNDS	46
Nitrogen Compounds	461
Pyridine	46101
Oxygen Compounds	462
Sulfur Compounds	463
Nitrogen and Oxygen Compounds	464
Sulfur and Oxygen Compounds	465
Sulfur and Nitrogen Compounds	466
Other	467

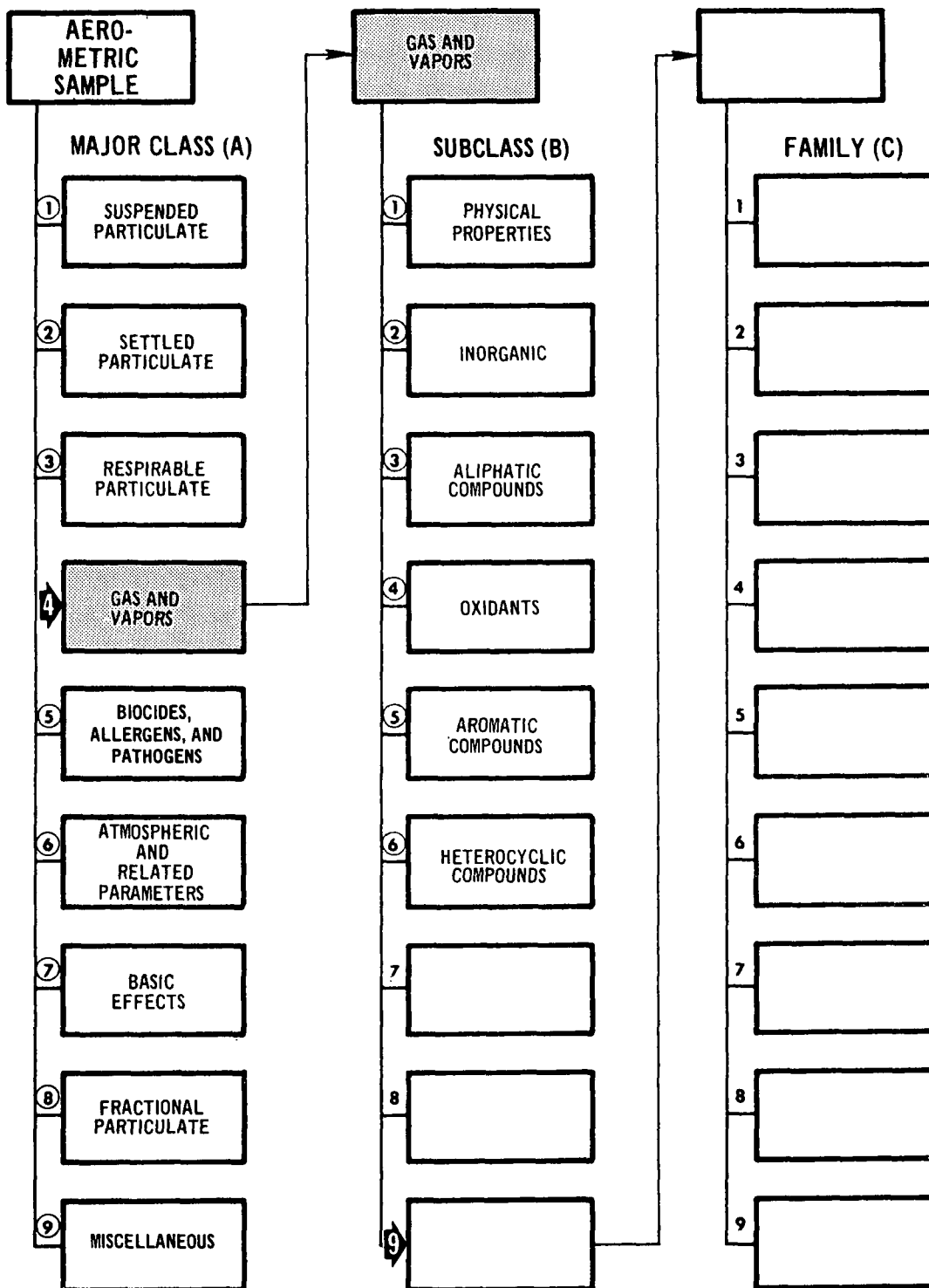
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

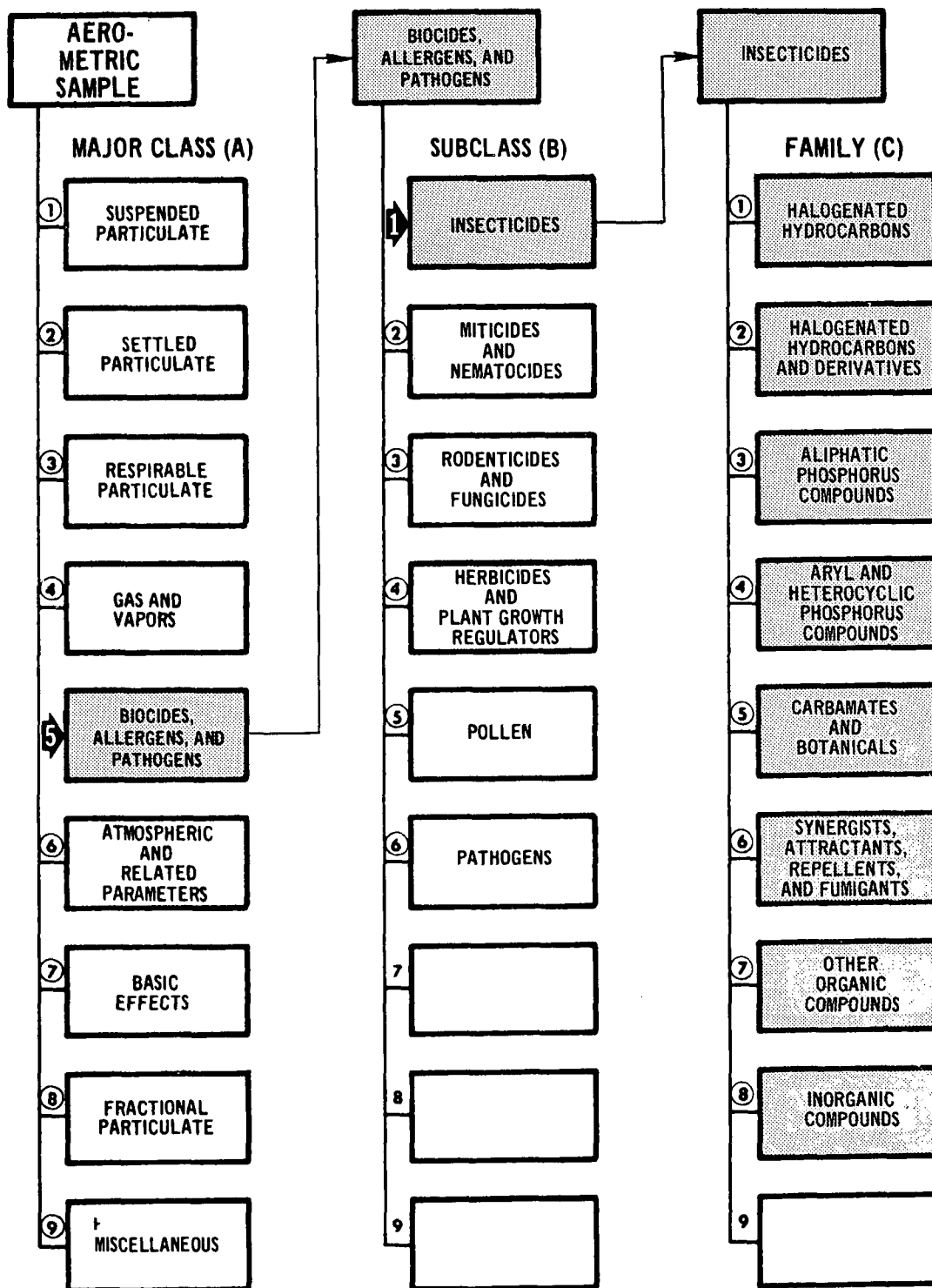


BIOCIDES, ALLERGENS, AND PATHOGENS

Pollutant or Parameter	Code number	Page number
BIOCIDES, ALLERGENS, PATHOGENS (chart)	5	5-1
INSECTICIDES (chart)	51	5-3
Halogenated Hydrocarbons	511	5-4
Halogenated Hydrocarbons and Derivatives	512	5-4
Aliphatic Phosphorus Compounds	513	5-4
Aryl and Heterocyclic Phosphorus Compounds	514	5-5
Carbamates and Botanicals	515	5-6
Synergists, Attractants, Repellents, and Fumigants	516	5-6
Other Organic Compounds	517	5-7
Inorganic Compounds	518	5-8
MITICIDES AND NEMATOCIDES (chart)	52	5-9
Organo-Phosphorus Compounds	521	5-10
Halogenated Hydrocarbons and Derivatives	522	5-10
Organo-Sulfur Compounds	523	5-11
Other Organic Compounds	524	5-11
Inorganic Compounds	525	5-11
RODENTICIDES AND FUNGICIDES (chart)	53	5-13
Rodenticides	531	5-14
Mercury, Tin, and Iron Compounds	532	5-14
Manganese, Copper, and Zinc Compounds	533	5-14
Halogenated Organic Compounds	534	5-15
Miscellaneous Organic Compounds	535	5-15
Miscellaneous Inorganic Compounds	536	5-16
HERBICIDES AND PLANT GROWTH REGULATORS (chart)	54	5-17
Carboxylic Acids and Esters	541	5-18
Amides, Ureas, Carbamates, Thiocarbamates, and Nitriles	542	5-18
Heterocyclic Compounds	543	5-20
Miscellaneous Organic Compounds	544	5-20
Inorganic Compounds	545	5-21

Pollution or Parameter	Code number	Page number
BIOCIDES, ALLERGENS, PATHOGENS (chart)	5	5-1
POLLEN (chart)	55	5-23
Vesiculate	551	5-24
Psilate	552	5-24
Granular	553	5-24
Reticulate	554	5-24
Lophate	555	5-24
Echinate	556	5-24
PATHOGENS (chart)	56	5-27
Eubacteriales	561	5-28
Spirochaetales and Mycoplasmatales	562	5-28
Algae	563	5-28
Mesozoa	564	5-28
Protozoa	565	5-28
Yeasts, Molds, and Actinomycetes	566	5-28
Virales and Rickettsiales	567	5-28
Fungi	568	5-28

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
INSECTICIDES	51
Halogenated Hydrocarbons	511
Aldrin	51101
Bandane	51102
BHC	51103
Chlorodane	51104
Chloroform	51105
DDD (TDE)	51106
DDT	51107
EDB	51108
Heptachlor	51109
Lindane	51110
Methyl bromide	51111
Mirex	51112
Orthodichlorobenzene	51113
Paradichlorobenzene	51114
Perthane	51115
Strobane	51116
Toxaphene	51117
DDE	51118
Halogenated Hydrocarbons and Derivatives	512
Dieldrin	51201
Dilan	51202
Endosulfan	51203
Endrin	51204
Kepone	51205
Methoxychlor	51206
Sok	51207
Heptachlor epoxide	51208
Aliphatic Phosphorus Compounds	513
Aspon	51301
Azodrin	51302
Bidrin	51303
Bomyl	51304
Butonate	51305
Demeton	51306
Dichlorvos	51307
Dimethoate	51308

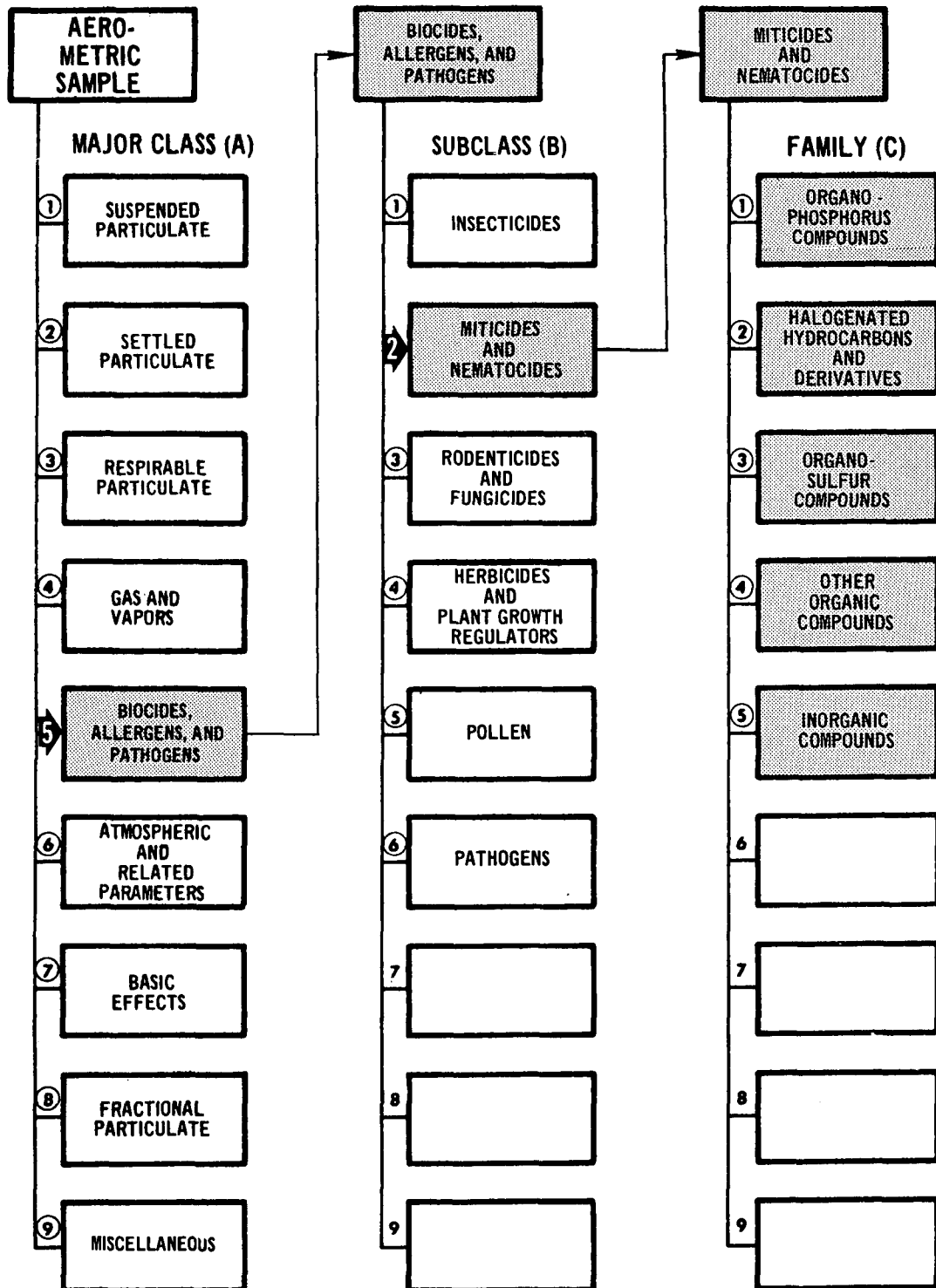
POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
INSECTICIDES	51
Aliphatic Phosphorus Compounds	513
Disulfoton	51309
Ethion	51310
Malathion	51311
Mecarbam	51312
Methyl demeton	51313
Mevinphos	51314
Monitor	51315
Naled	51316
Phorate	51317
Phosphamidon	51318
Prophos	51319
Schradan	51320
Tepp	51321
Trichlorofon	51322
Aryl and Heterocyclic Phosphorus Compounds	514
Akton	51401
Azinphosethyl	51402
Azinphosmethyl	51403
Carbophenothion	51404
Ciodrin	51405
Coumaphos	51406
Cyolane	51407
Dasanit	51408
Diazinon	51409
Dicapthon	51410
Dioxathion	51411
Dursba	51412
Dyfonate	51413
EPN	51414
Fenthion	51415
Gardona	51416
Imidan	51417
Menazon	51418
Methyl parathion	51419
Methyl trithion	51420
Parathion	51421

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
INSECTICIDES	51
Aryl and Heterocyclic Phosphorus Compounds	514
Ronne1	51422
Ruelene	51423
Sumithion	51424
Zinophos	51425
Carbamates and Botanicals	515
Allethrin	51501
Bacillus thuringiensis	51502
Barthrin	51503
Baygon	51504
Bux ten	51505
Carbaryl	51506
Carbofuran	51507
Demethrin	51508
Dimethilan	51509
Landrin	51510
Matacil	51511
Mesuro1	51512
Methomyl	51513
Mobam	51514
Neo-pynamin	51515
Nicotine	51516
Pyrethrins	51517
Rotenone	51518
Ryania	51519
Sabadilla	51520
Synergists, Attractants, Repellents, and Fumigants	516
Piperonyl butoxide	51601
Sulfoxide	51602
Sesamex	51603
Propyl isome	51604
Eugenol	51605
Methyl eugenol	51606
Cue-lure	51607
Medlure	51608
Amlure	51609

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
INSECTICIDES	51
Synergists, Attractants, Repellents, and Fumigants	516
Gyplure	51610
Anthraquinone	51611
Ethyl hexanediol	51612
Butoxy polypropylene glycol	51613
Diethyltoluamide	51614
Dimethyl phthalate	51615
Dichloromethane	51616
Chloroform	51617
Carbon tetrachloride	51618
Ethylene dichloride	51619
Chloropicrin	51620
Methyl bromide	51621
Ethylene dibromide	51622
1,2-dibromo-3-chloropropane	51623
Ethylene oxide	51624
Formaldehyde	51625
Hydrogen cyanide	51626
Acrylonitrile	51627
Benzene	51628
Naphthalene	51629
p-dichlorobenzene	51630
Carbon disulfide	51631
Sulfuryl fluoride	51632
Sulfur dioxide	51633
Thiram	51634
Other Organic Compounds	517
Chlorophenamide	51701
Dinitrocyclohexylphenol	51702
Diphenylamine	51703
Lethane 384	51704
Molinate	51705
Morestan	51706
Naphthalene	51707
Phenothiazine	51708
Thanite	51709

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
INSECTICIDES	51
Inorganic Compounds	518
Aluminum phosphide	51801
Calcium arsenite	51802
Carbon disulfide	51803
Sodium fluoride	51804
Lead arsenate	51805
Silica gel	51806
Sulfuryl fluoride	51807
Sulfur dioxide	51808

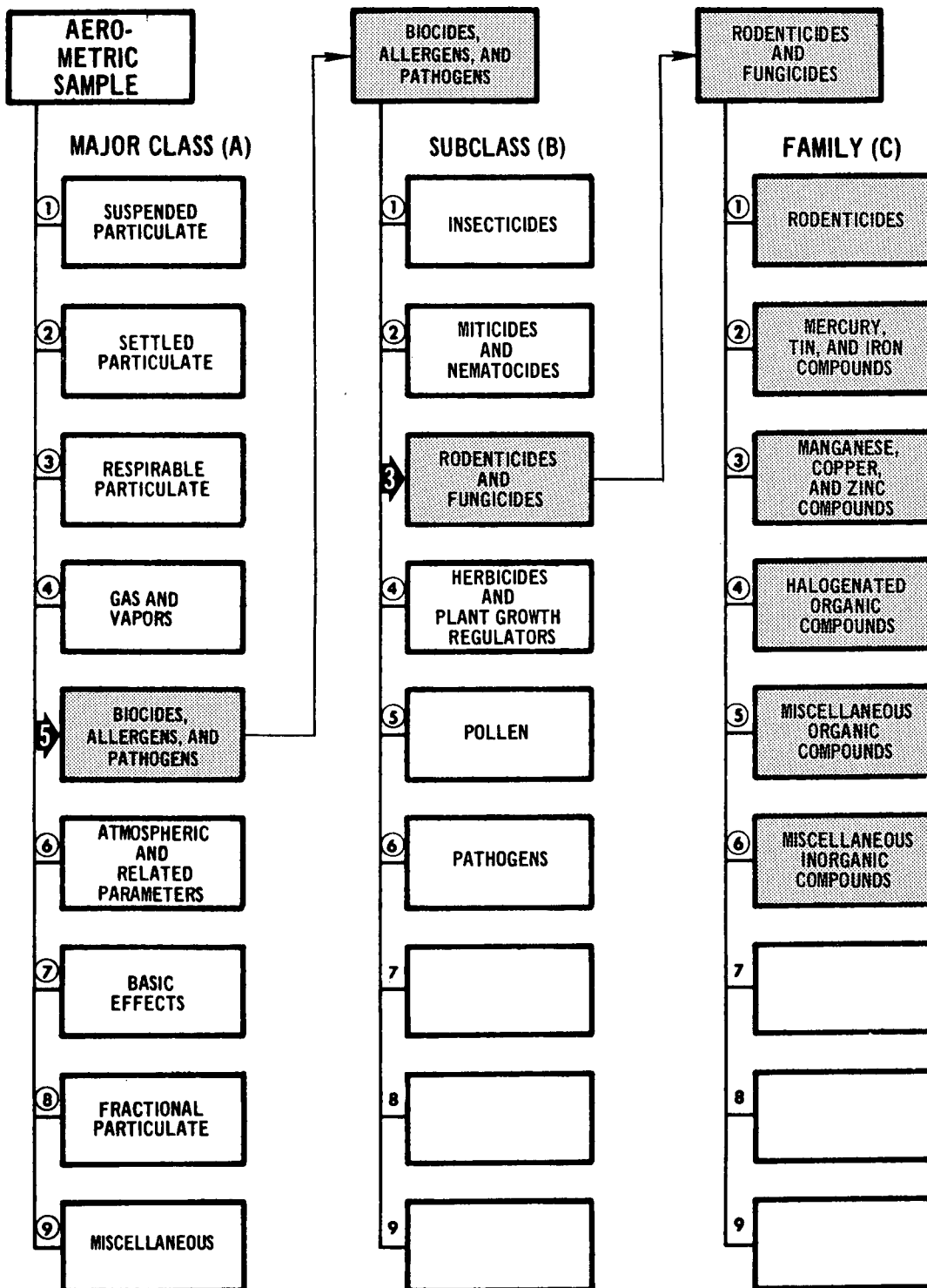
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
MITICIDES AND NEMATOCIDES	52
Organo-Phosphorus Compounds	521
Aspon	52101
Carbophenothion	52102
Cyolane	52103
Dasanit	52104
Diazinon	52105
Dimefox	52106
Dioxathion	52107
EPN	52108
Ethion	52109
Gardona	52110
Imidan	52111
Mercarbam	52112
Menazon	52113
Methyl demeton	52114
Mevinphos	52115
Monitor	52116
Naled	52117
Nemacide	52118
Parathion	52119
Phosphamidon	52120
Prophos	52121
Sumithion	52122
Tepp	52123
Zinophos	52124
Halogenated Hydrocarbons and Derivatives	522
Acaralate	52201
Chlorobenzilate	52202
Chlorophenamide	52203
DBCP	52204
D-D	52205
Dicofol	52206
Dimite	52207
EDB	52208
Lovoza1	52209
Methyl bromide	52210
Ovex	52211

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
MITICIDES AND NEMATOCIDES	52
Halogenated Hydrocarbons and Derivatives	522
Pentac	52212
Sok	52213
TCTP	52214
Tetradifon	52215
Organo-Sulfur Compounds	523
Aramite	52301
Chlorobenside	52302
Eradex	52303
Fenson	52304
Genite	52305
Mesuro1	52306
Metham	52307
Methomyl	52308
Morestan	52309
Sulphenone	52310
Vorlex	52311
Other Organic Compounds	524
Azobenzene	52401
Binapicryl	52402
Carbofuran	52403
Carzol	52404
Dibuton	52405
Dinitrocyclohexylphenol	52406
Karathane	52407
Matacil	52408
Inorganic Compounds	525
Sulfur	52501

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

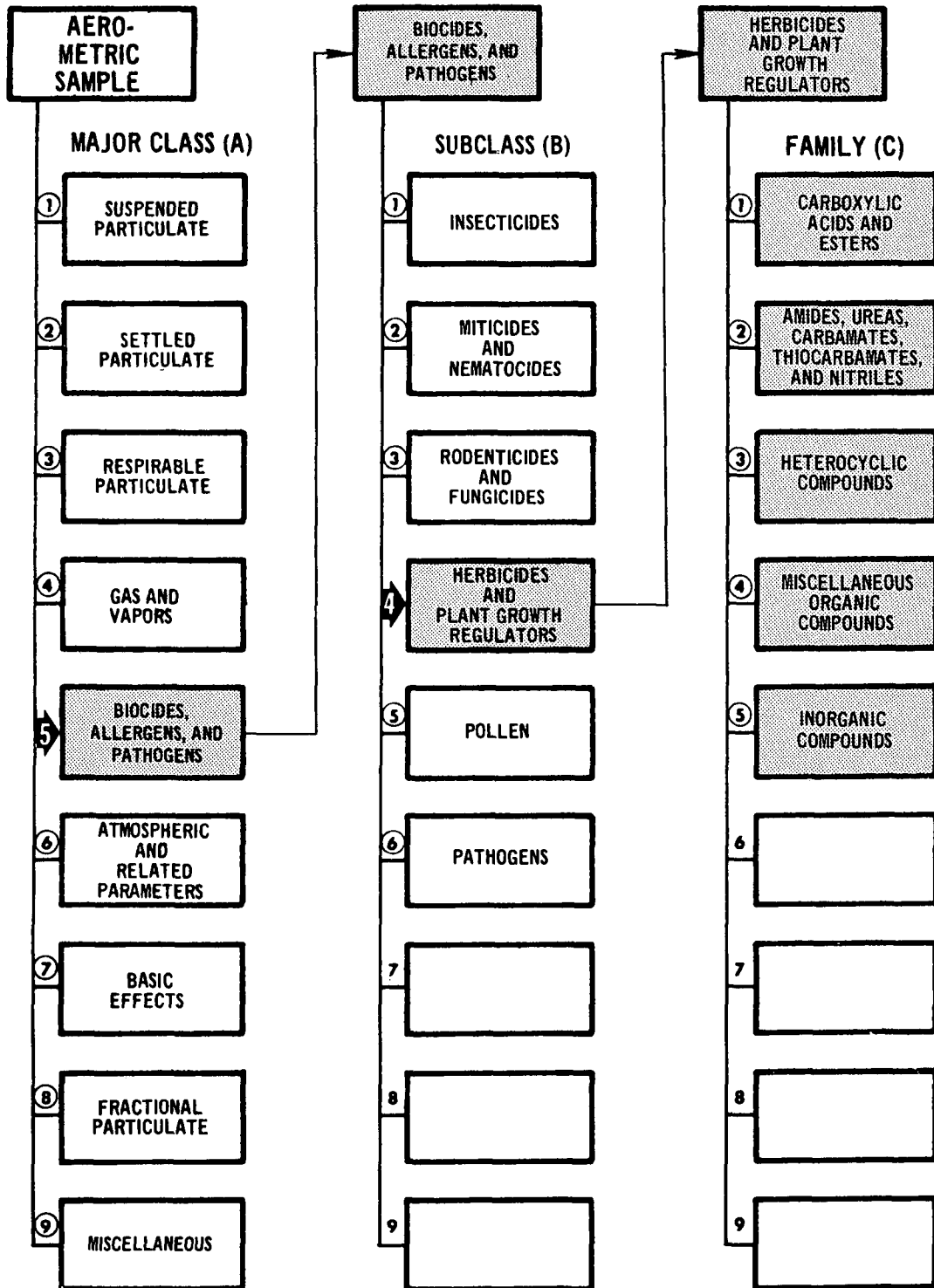


POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
RODENTICIDES AND FUNGICIDES	53
Rodenticides	531
Antu	53101
Fumarin	53102
Diphacinone	53103
Endrin	53104
Gophacide	53105
Norbormide	53106
Pival	53107
Red squill	53108
Sodium fluoroacetate	53109
Strychnine	53110
Thallium sulfate	53111
Wafarin	53112
Zinc phosphide	53113
Mercury, Tin, and Iron Compounds	532
Ceresan L	53201
Ceresan M	53202
Elcide 73	53203
EMMI	53204
Ethyl mercuric chloride	53205
Hydroxymercurichlorophenol	53206
Memmi	53207
Mercuric chloride	53208
Ortho 1m	53209
Pahogen	53210
PAS	53211
Phenyl mercuric urea	53212
PMA	53213
Semesan bel	53214
Ferbam	53215
Triphenyl tin hydroxide	53216
Manganese, Copper, and Zinc Compounds	533
Basic copper carbonate	53301
Bordeaux mixture	53302
Copper naphthenate	53303
Copper oleate	53304
Copper oxychloride sulfate	53305

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
RODENTICIDES AND FUNGICIDES	53
Manganese, Copper, and Zinc Compounds	533
Copper 8-quinolate	53306
Copper sulfate	53307
Copper zinc chromate	53308
Cuprous oxide	53309
Dithane M-45	53310
Dithane S-31	53311
Maneb	53312
Niacide	53313
Poluram	53314
Zineb	53315
Ziram	53316
Halogenated Organic Compounds	534
Captan	53401
Chloranic	53402
Chloroneb	53403
Daconil 2787	53404
DCNA	53405
Dichlone	53406
Difolatan	53407
Dyrene	53408
Folpet	53409
HCB	53410
Lanstan	53411
Paradichlorobenzene	53412
PCNB	53413
PCP	53414
Pipron	53415
Terrazole	53416
TCNB	53417
Tricamba	53418
Miscellaneous Organic Compounds	535
Benlate	53501
Biphenyl	53502
Calcium cyanamide	53503
Cycloheximide	53504
Dazomet	53505

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
RODENTICIDES AND FUNGICIDES	53
Miscellaneous Organic Compounds	535
Dehydroacetic acid	53506
Dexon	53507
Eradex	53508
Ethoxyquin	53509
Glyodin	53510
Griseofulvin	53511
Karathane	53512
Metham	53513
Morestan	53514
Orthophenylphenol	53515
Plantvax	53516
8-quinolinol	53517
Streptomycin	53518
Thiram	53519
Vitavax	53520
Vorlex	53521
Miscellaneous Inorganic Compounds	536
Sulfur	53601
Lime sulfur	53602

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



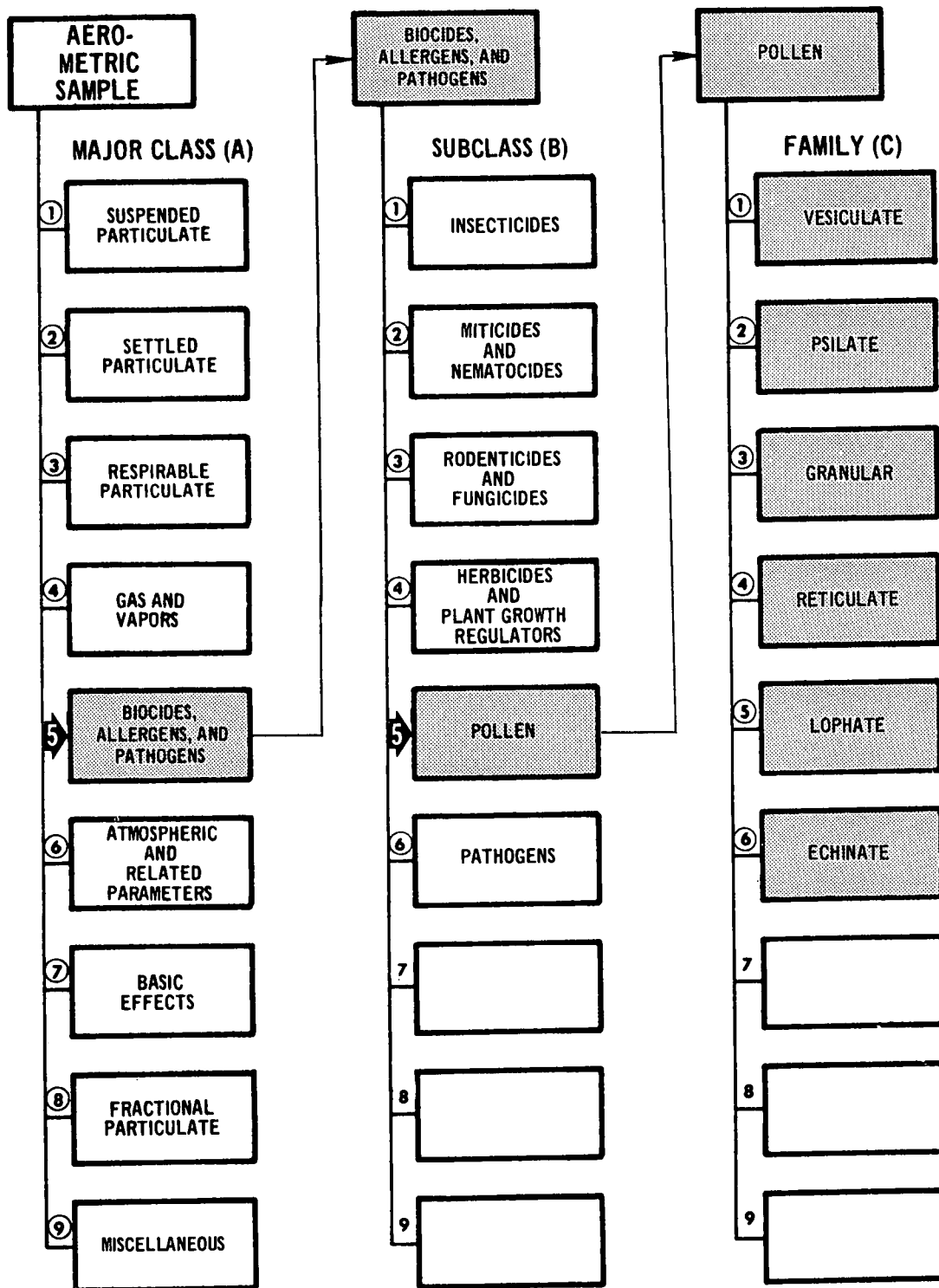
POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
HERBICIDES AND PLANT GROWTH REGULATORS	54
Carboxylic Acids and Esters	541
Amiben	54101
4-CPA	54102
2,4-D (total)	54103
Dalapon	54104
2,4-DB	54105
DCPA	54106
Dicamba	54107
Dichloroprop	54108
EGT	54109
Endothal	54110
Erbon	54111
Fenac	54112
Gibberellic acid	54113
Indolebutyric acid	54114
MCPA	54115
MCPB	54116
MCPP	54117
Naphthaleneacetic acid	54118
Naptalam	54119
Picloram	54120
Silvex	54121
2,4,5-T	54122
TCA	54123
TIBA	54124
2,4-D <u>iso</u> -octyl ester	54125
2,4-D <u>n</u> -octyl ester	54126
2,4-D methyl ester	54127
2,4-D <u>n</u> -propyl ester	54128
2,4-D <u>iso</u> -propyl ester	54129
2,4-D <u>n</u> -butyl ester	54130
2,4-D <u>iso</u> -butyl ester	54131
2,4-D acid	54132
Amides, Ureas, Carbamates, Thiocarbamates, and Nitriles	542
Barban	54201
Betanal	54202
Bromoxynil	54203

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
HERBICIDES AND PLANT GROWTH REGULATORS	54
Amides, Ureas, Carbamates, Thiocarbamates, and Nitriles	542
Butylate	54204
CDAA	54205
CDEC	54206
Chloroxuron	54207
Chlorpropham	54208
Cycolate	54209
Cypromid	54210
DCU	54211
Diallate	54212
Dichlobenil	54213
Diphenamid	54214
Diphenatrile	54215
Diuron	54216
EPTC	54217
Fenuron	54218
Fluometuron	54220
Ioxynil	54221
Lasso	54222
Linuron	54223
Maloran	54224
Metobromuron	54225
Monuron	54226
Monuron TCA	54227
Naphthalene acetamide	54228
Neburon	54229
Norea	54230
PBA	54231
Pebulate	54232
Propachlor	54233
Propanil	54234
Propham	54235
Siduron	54236
Solan	54237
Succinic acid dimethylhydrazide	54238
Tandex	54239

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
HERBICIDES AND PLANT GROWTH REGULATORS	54
Amides, Ureas, Carbamates, Thiocarbamates, and Nitriles	542
2,3,6-TBA	54240
Terbutol	54241
Triallate	54242
Vernolate	54243
Heterocyclic Compounds	543
Ametryne	54301
Amitrol	54302
Atratrone	54303
Atrazine	54304
Chlorazine	54305
Dazomet	54306
Diguat	54307
Igran 80w	54308
Isocil	54309
Lenacil	54310
MH	54311
MPMT	54312
Paraquat	54313
Prometone	54314
Prometryne	54315
Propazine	54316
Pyrazon	54317
Simazine	54318
Terbacil	54319
Miscellaneous Organic Compounds	544
Acrolein	54401
Allyl alcohol	54402
Bandane	54403
Benefin	54404
Bensulide	54405
Cycocel	54406
DEF	54407
2,4-DEP	54408
Dinoseb	54409
DNOC	54410
Ethylene	54411

POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
HERBICIDES AND PLANT GROWTH REGULATORS	54
Miscellaneous Organic Compounds	544
EXD	54412
Folex	54413
HCA	54414
Metham	54415
NIA 10637	54416
Nitralin	54417
Nitrofen	54418
Penar	54419
Phosfon	54420
PMA	54421
Preforan	54422
Sesone	54423
TBP	54424
TCBC	54425
Trifluralin	54426
Inorganic Compounds	545
AMS	54501
Arsenic acid	54502
Borax	54503
Cacodylic acid	54504
Calcium cyanamide	54505
CMA	54506
DSMA	54507
Potassium cyanate	54508
Magnesium chlorate	54509
MAMA	54510
MSMA	54511
Sodium arsenite	54512
Sodium chlorate	54513

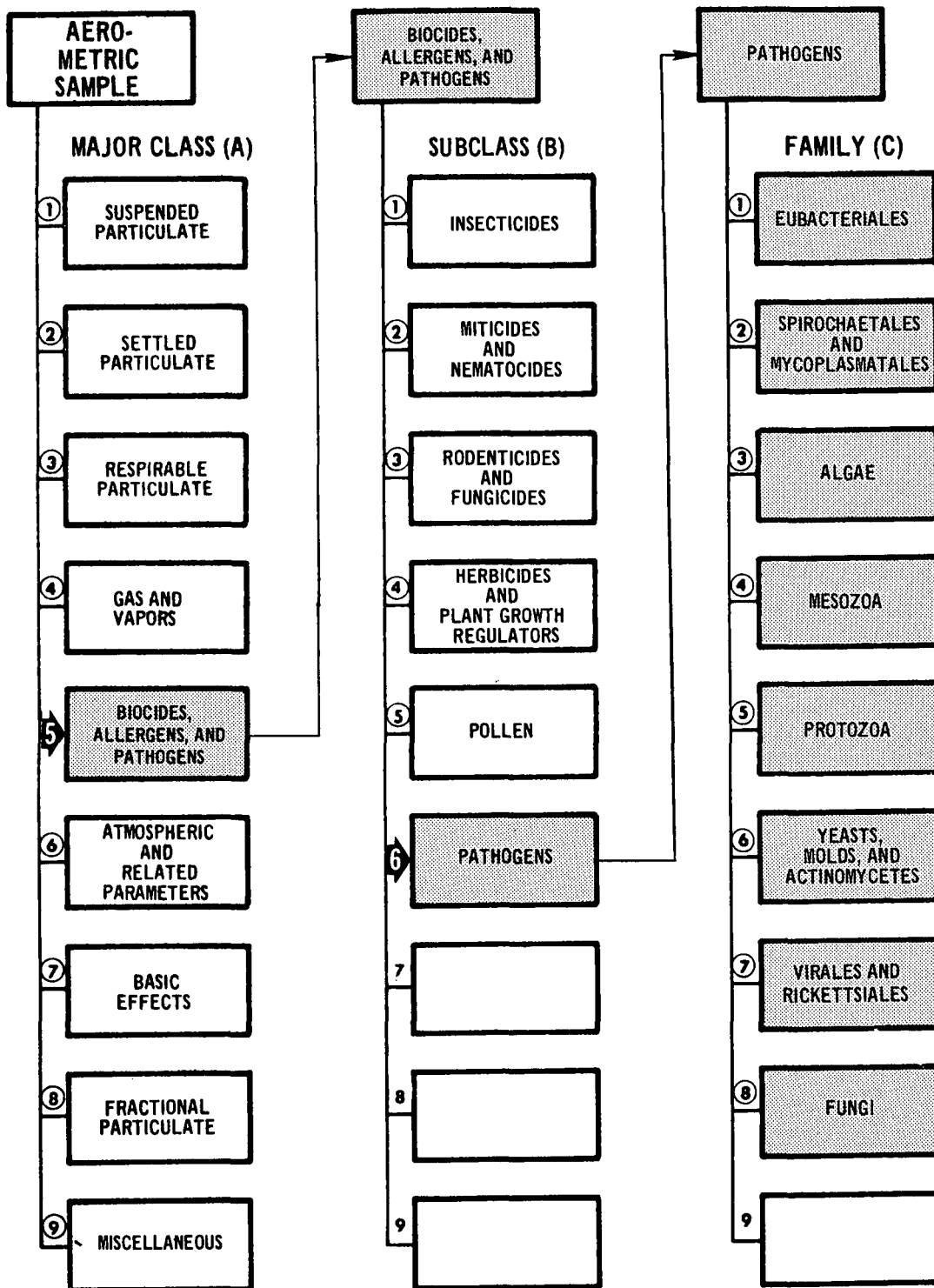
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
POLLEN	55
Vesiculate	551
Abies	55101
Picea	55102
Pinus	55103
Psilate	552
Acer	55201
Amaranthaceae	55202
Artemisia	55203
Betulaceae	55204
Carya	55205
Chenopodiaceae	55206
Cyperaceae	55207
Fagus	55208
Gramineae	55209
Juglans	55210
Juniperus	55211
Myricaceae	55212
Plantago	55213
Plantanus	55214
Populus	55215
Quercus	55216
Rumex	55217
Tilia	55218
Ulmus	55219
Granular	553
Acer	55301
Artemisia	55302
Tsuga	55303
Quercus	55304
Reticulate	554
Fraximus	55401
Platanus	55402
Salix	55403
Tilia	55404
Lophate	555
Echinate	556
Ambrosia	55601

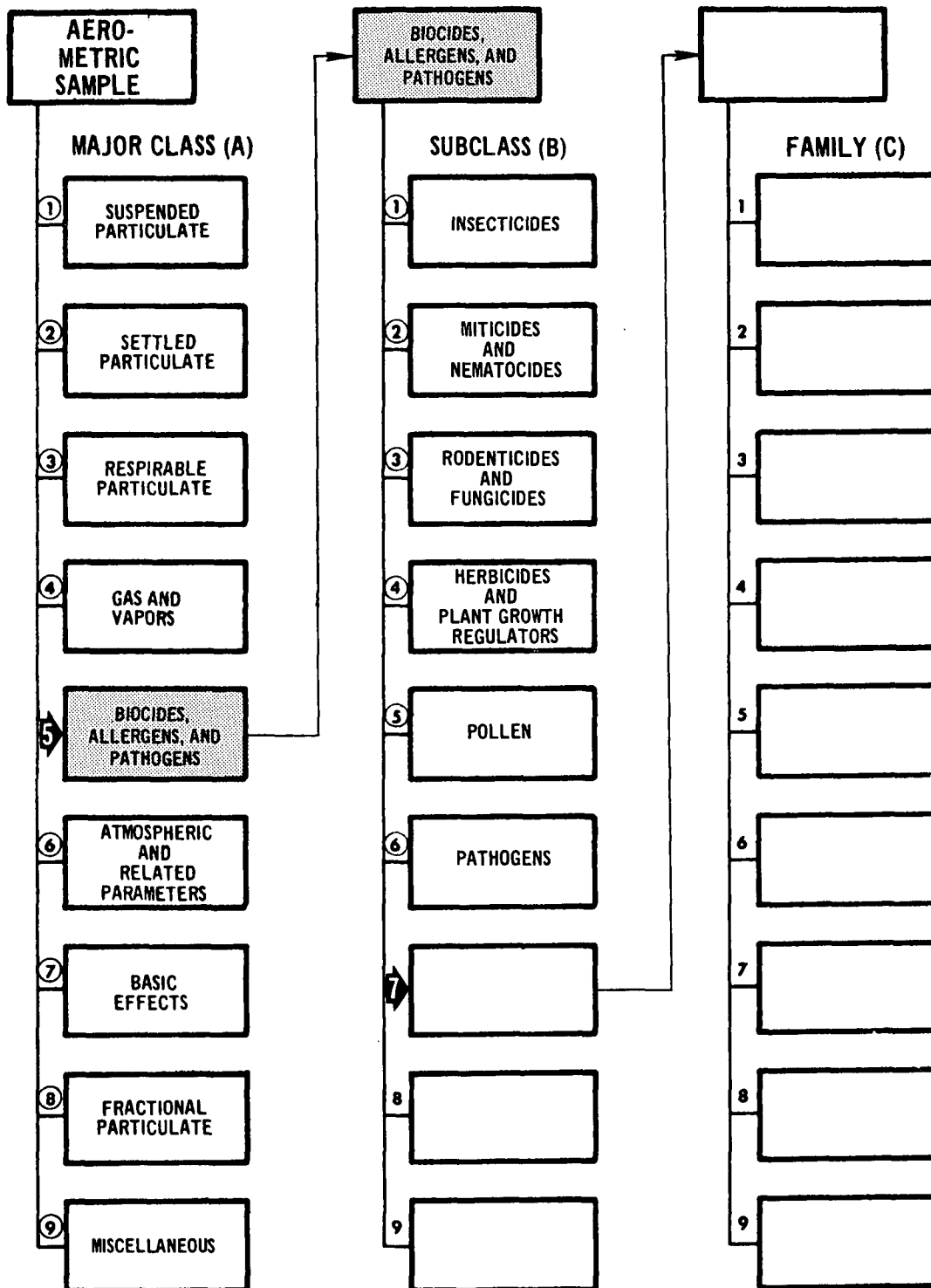
POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
POLLEN	55
Echinate	556
Artemisia	55602
Iva	55603
Iva xanthifolia	55604
Solidago	55605

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

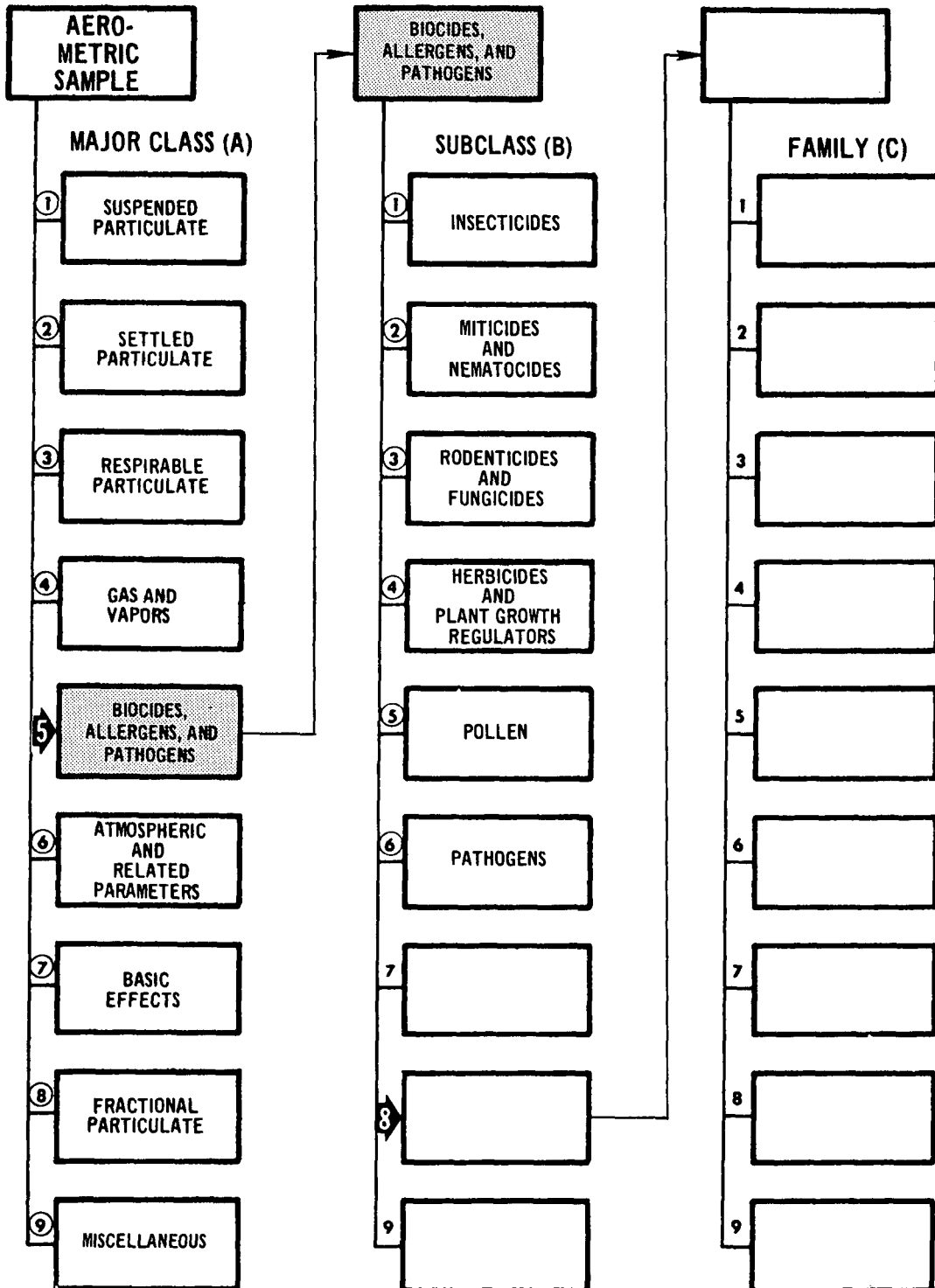


POLLUTANT OR PARAMETER	CODE
BIOCIDES, ALLERGENS, AND PATHOGENS	5
PATHOGENS	56
Eubacteriales	561
Spirochaetales and Mycoplasmatales	562
Algae	563
Mesozoa	564
Protozoa	565
Yeasts, Molds, and Actinomycetes	566
Virales and Rickettsiales	567
Fungi	568

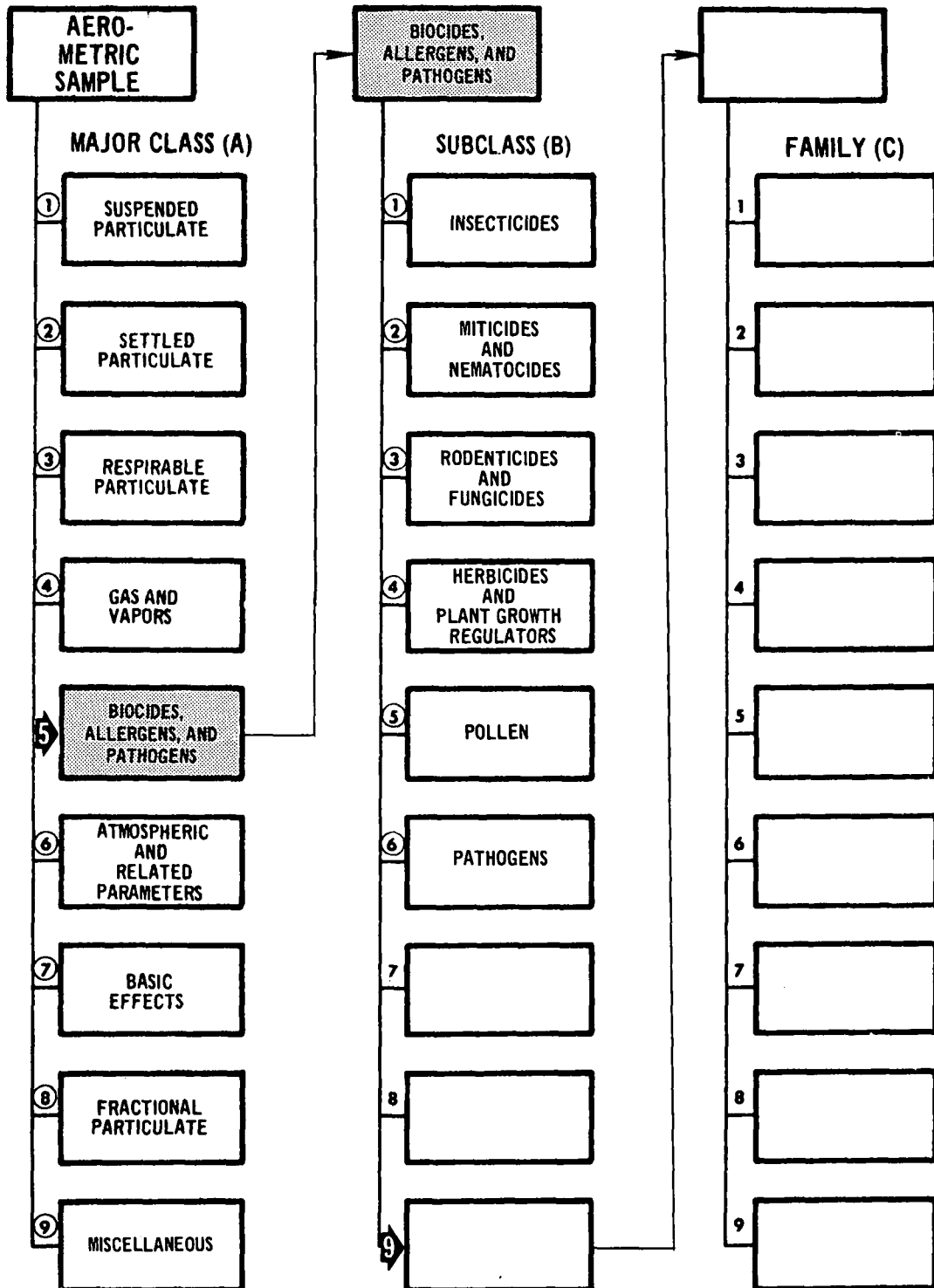
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



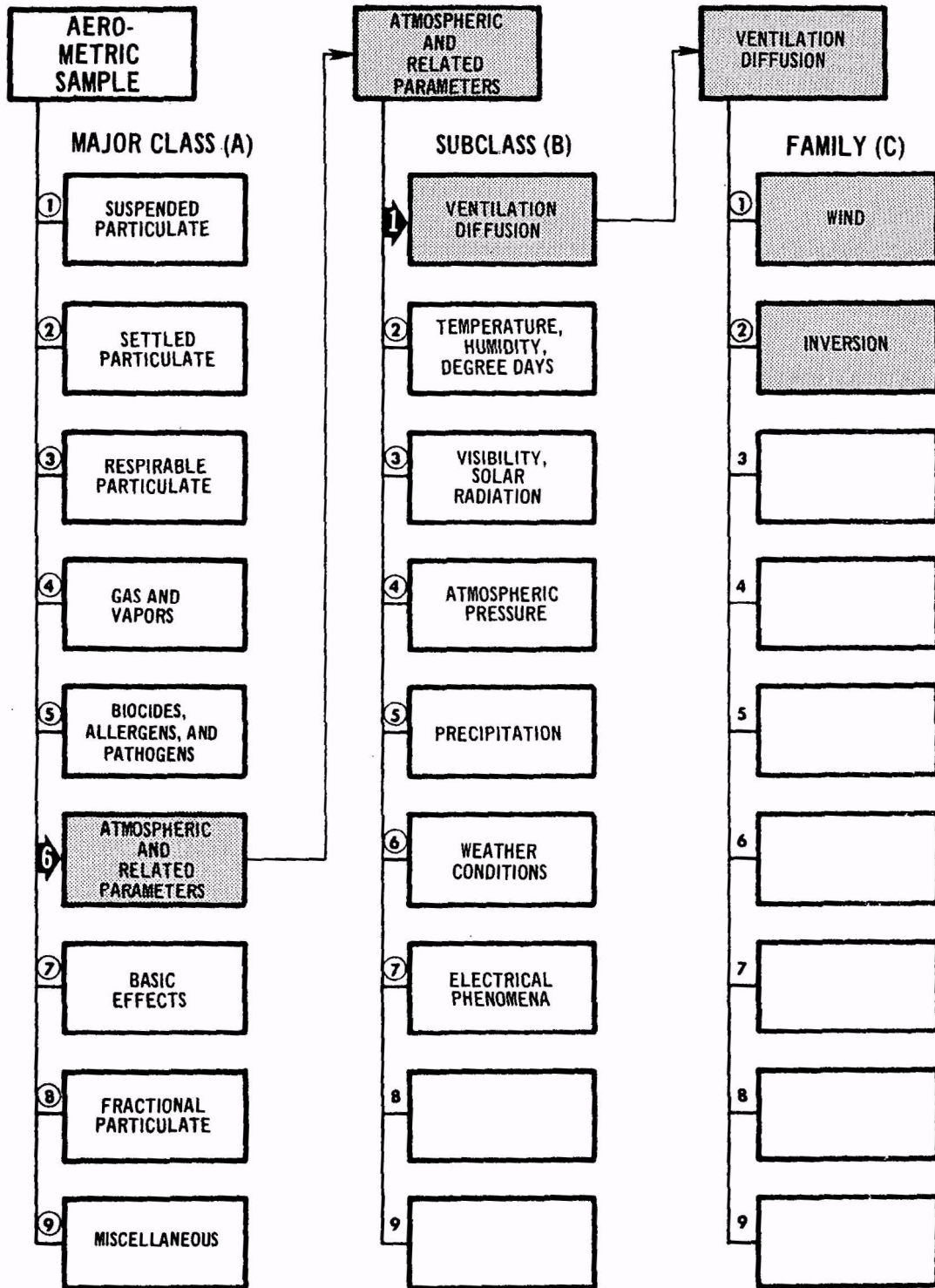
CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



ATMOSPHERIC AND RELATED PARAMETERS

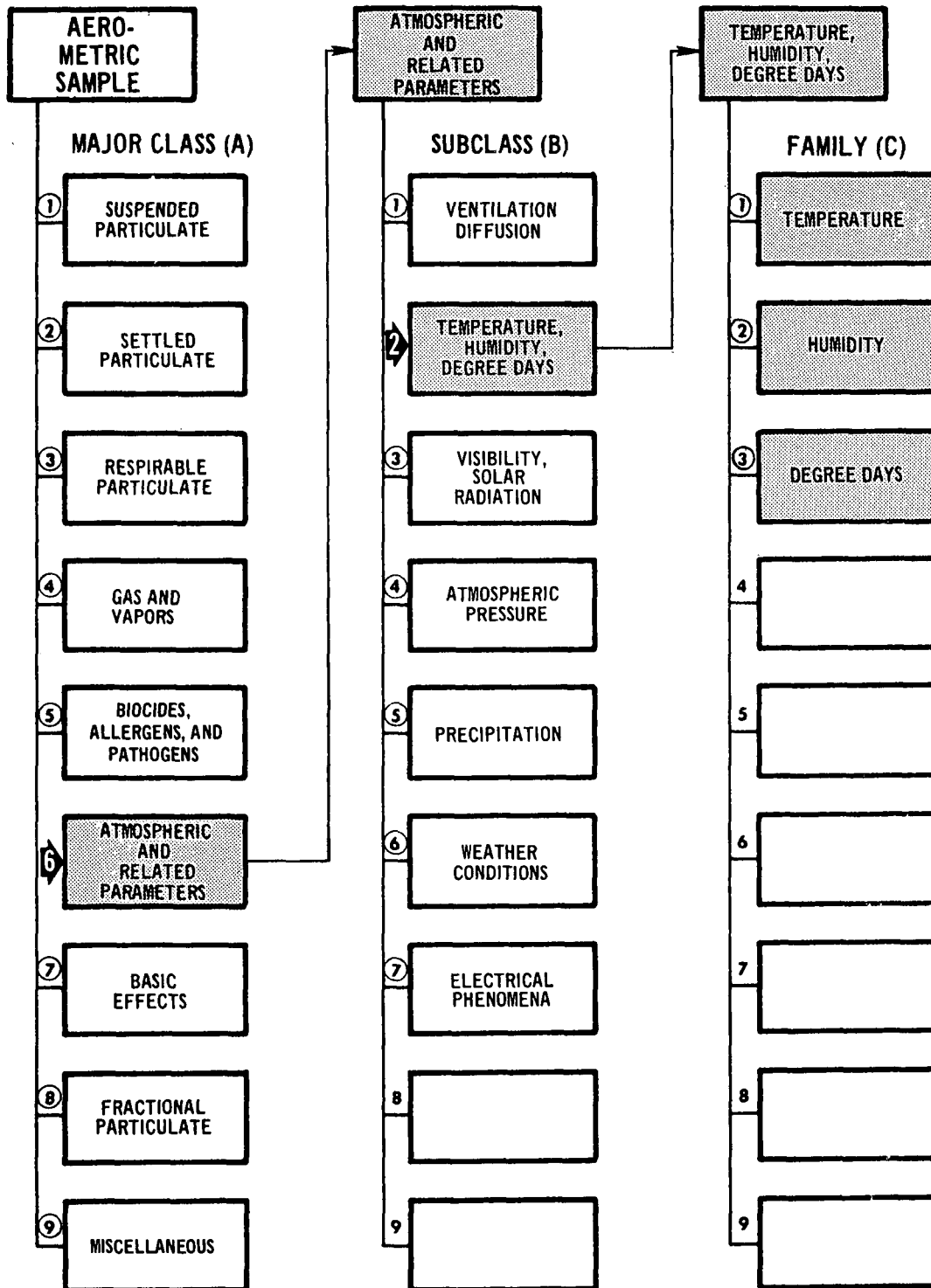
Pollutant or Parameter	Code number	Page number
ATMOSPHERIC AND RELATED PARAMETERS (chart)	6	6-1
VENTILATION DIFFUSION (chart)	61	6-3
Wind	611	6-4
Inversion	612	6-4
TEMPERATURE, HUMIDITY, DEGREE DAYS (chart)	62	6-5
Temperature	621	6-6
Humidity	622	6-6
Degree Days	623	6-6
VISIBILITY, SOLAR RADIATION (chart)	63	6-7
Visibility	631	6-8
Light Transmission	632	6-8
Solar Radiation	633	6-8
ATMOSPHERIC PRESSURE (chart)	64	6-9
Barometric Pressure	641	6-10
Vapor Pressure	642	6-10
PRECIPITATION (chart)	65	6-11
Precipitation	651	6-12
Ground Cover	652	6-12
Composition	653	6-12
WEATHER CONDITIONS (chart)	66	6-13
Sky Conditions	661	6-14
Surface Conditions	662	6-14
Weather Conditions	663	6-14
ELECTRICAL PHENOMENA (chart)	67	6-15
Ion Density	671	6-16
Potential Gradient	672	6-16

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



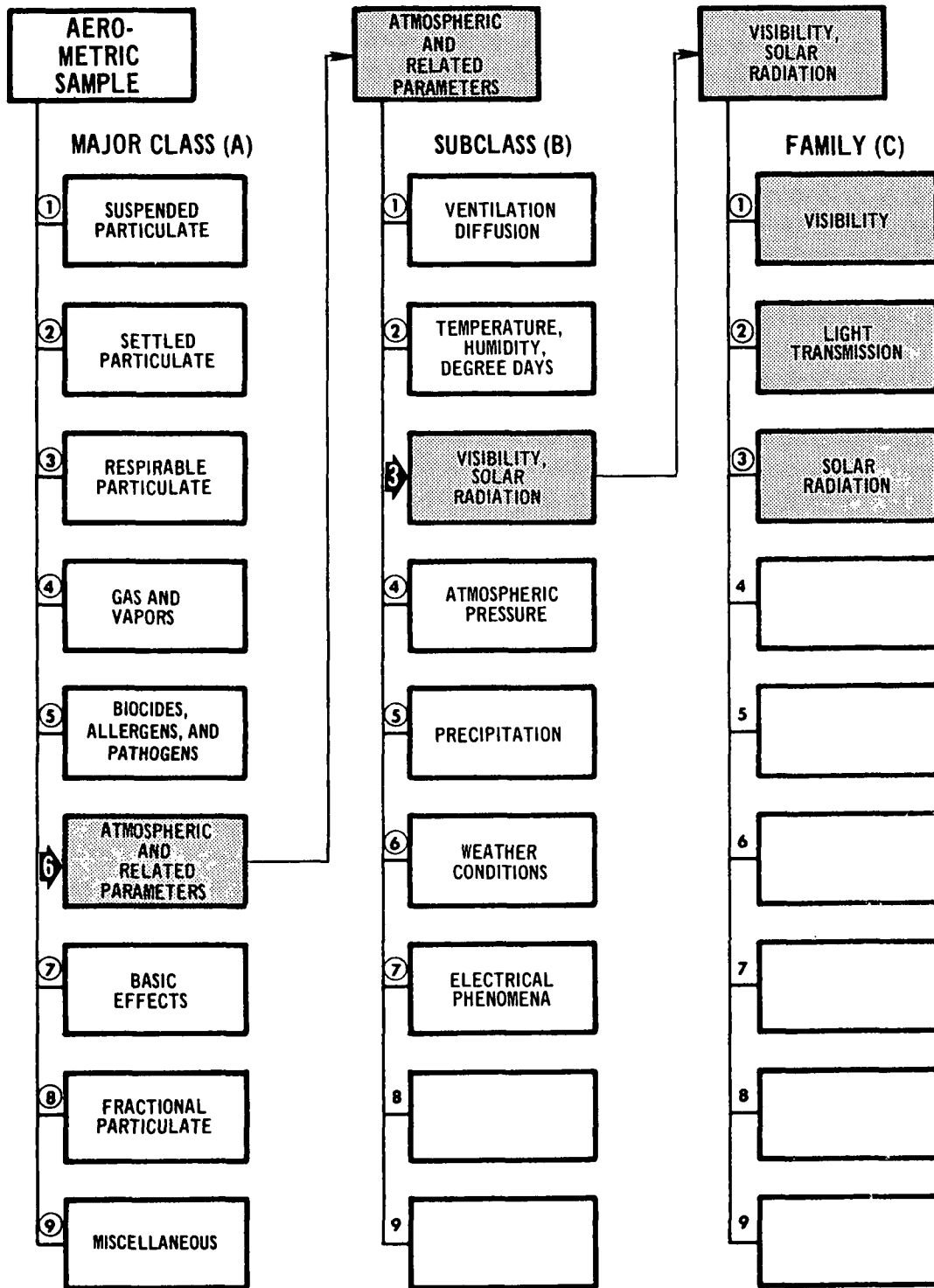
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
VENTILATION DIFFUSION	61
Wind	611
Speed	61101
Direction	61102
Resultant speed (24-hour)	61103
Resultant direction (24-hour)	61104
Average speed (24-hour)	61105
Standard deviation of horizontal wind direction	61106
Standard deviation of vertical wind direction	61107
Standard deviation of wind speed	61108
Inversion	612
Height	61201
Lapse rate	61202
Stability	61203

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



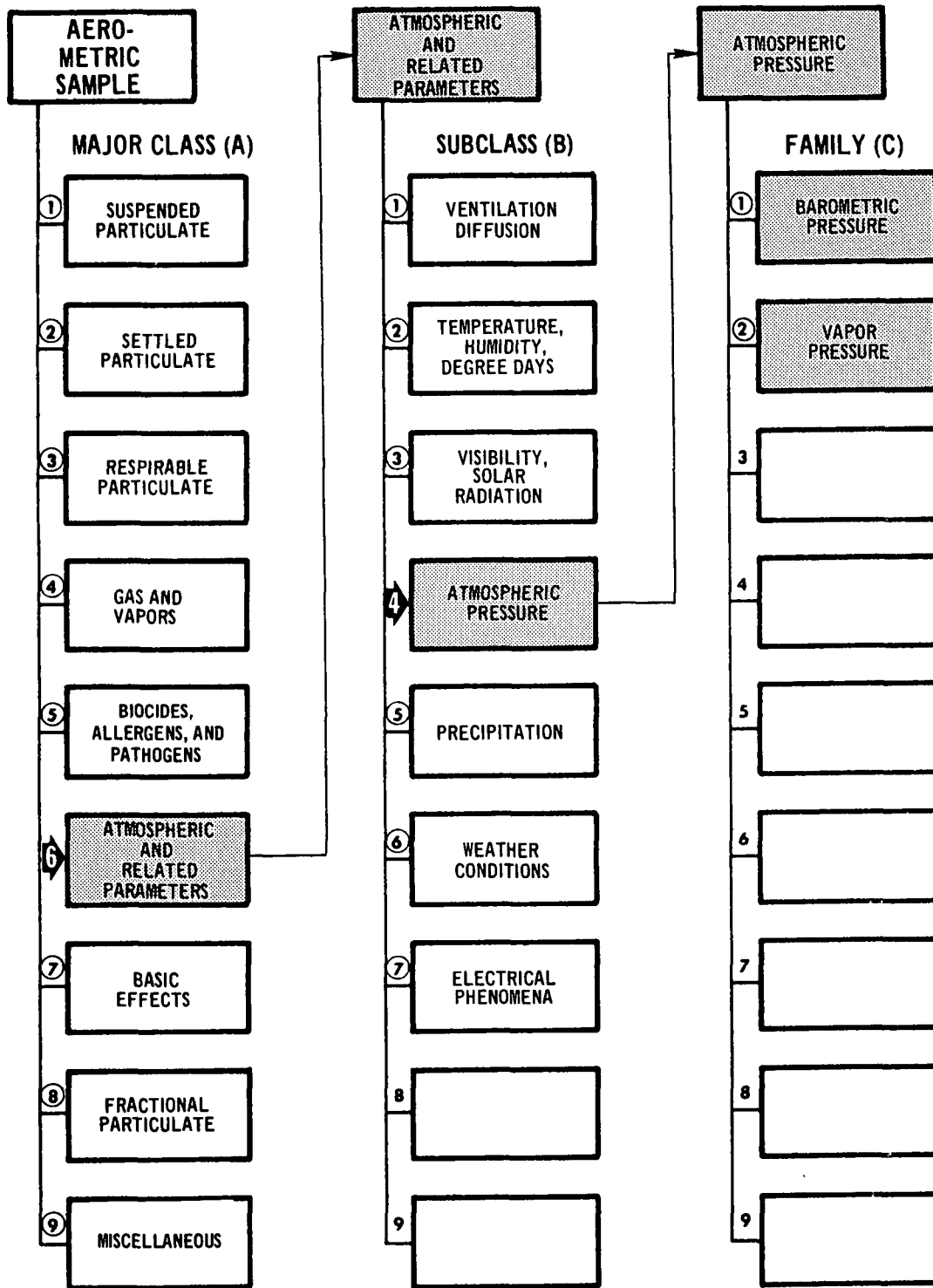
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
TEMPERATURE, HUMIDITY, DEGREE DAYS	62
Temperature	621
Dry-bulb temperature	62101
Wet-bulb temperature	62102
Dew point	62103
24-hour maximum	62104
24-hour minimum	62105
Humidity	622
Relative humidity	62201
Absolute humidity	62202
Mixing ratio	62203
Degree Days	623
Heating degree days	62301
Cooling degree days	62302

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



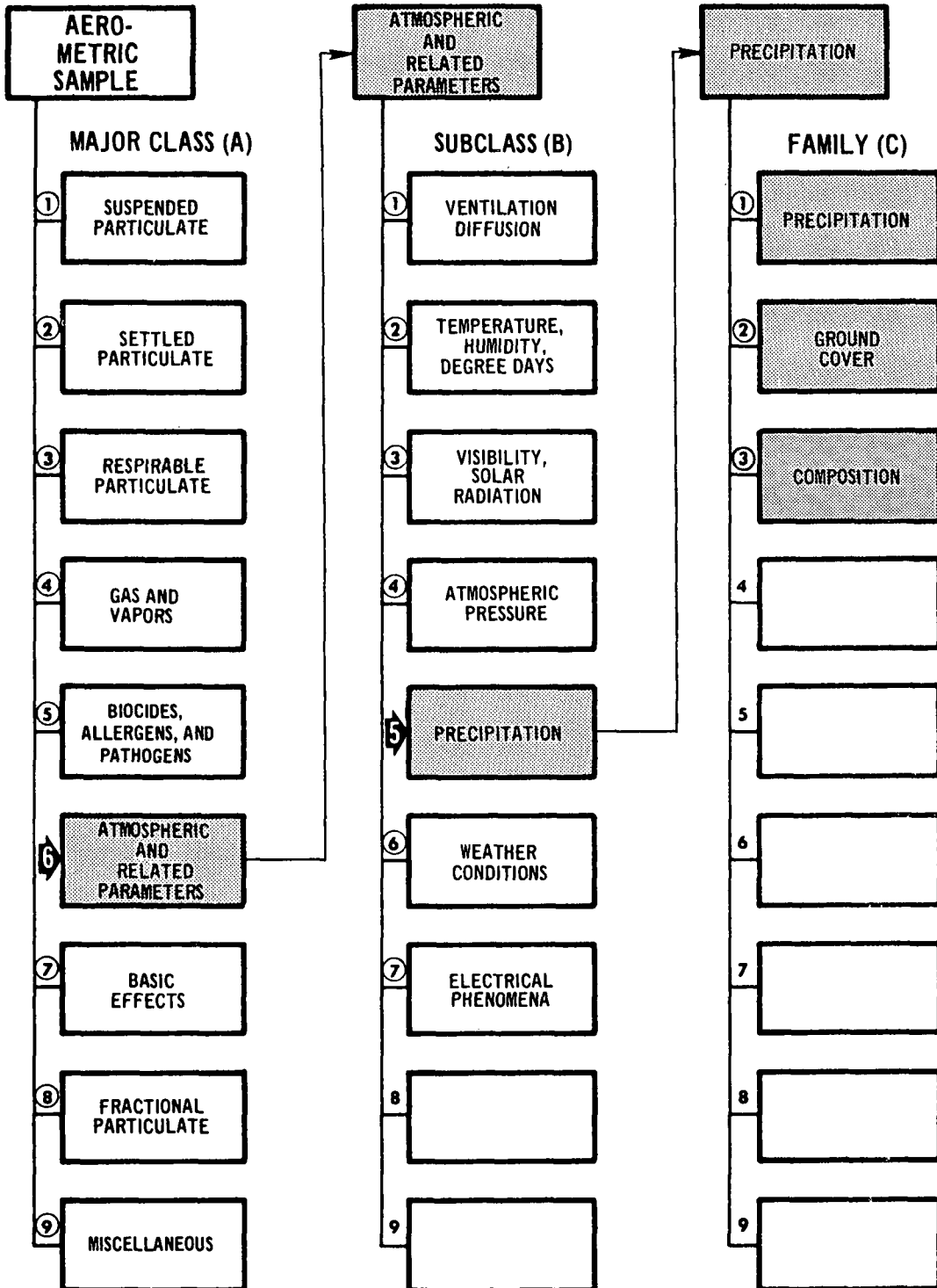
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
VISIBILITY, SOLAR RADIATION	63
Visibility	631
Visibility	63101
Light Transmission	632
Turbidity	63201
Solar Radiation	633
Intensity (total radiation)	63301
Ultraviolet radiation	63302
Infrared radiation	63303
Sunshine	63304

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



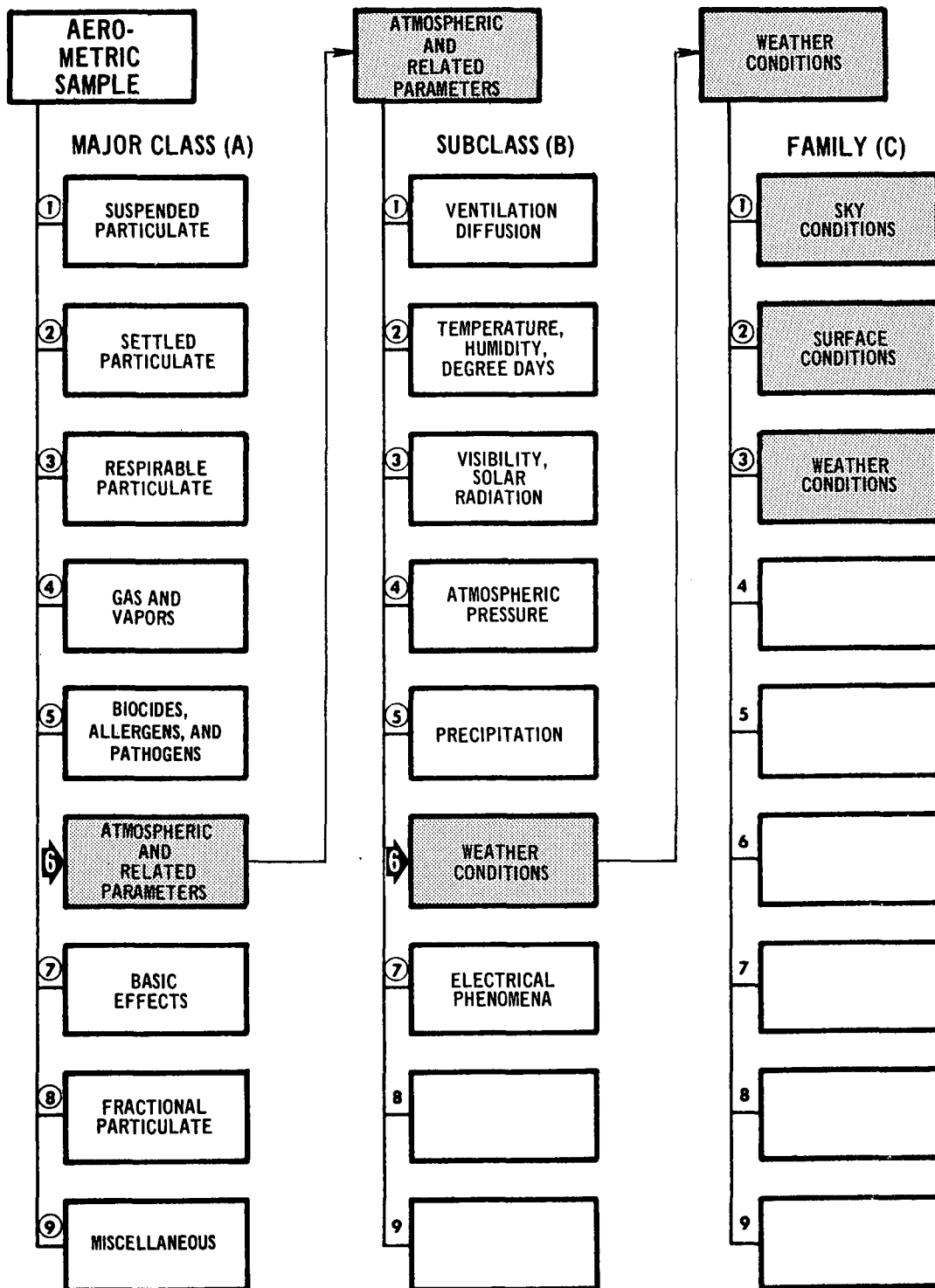
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
ATMOSPHERIC PRESSURE	64
Barometric Pressure	641
Station pressure	64101
Sea-level pressure	64102
Vapor Pressure	642
Water-vapor pressure	64201

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



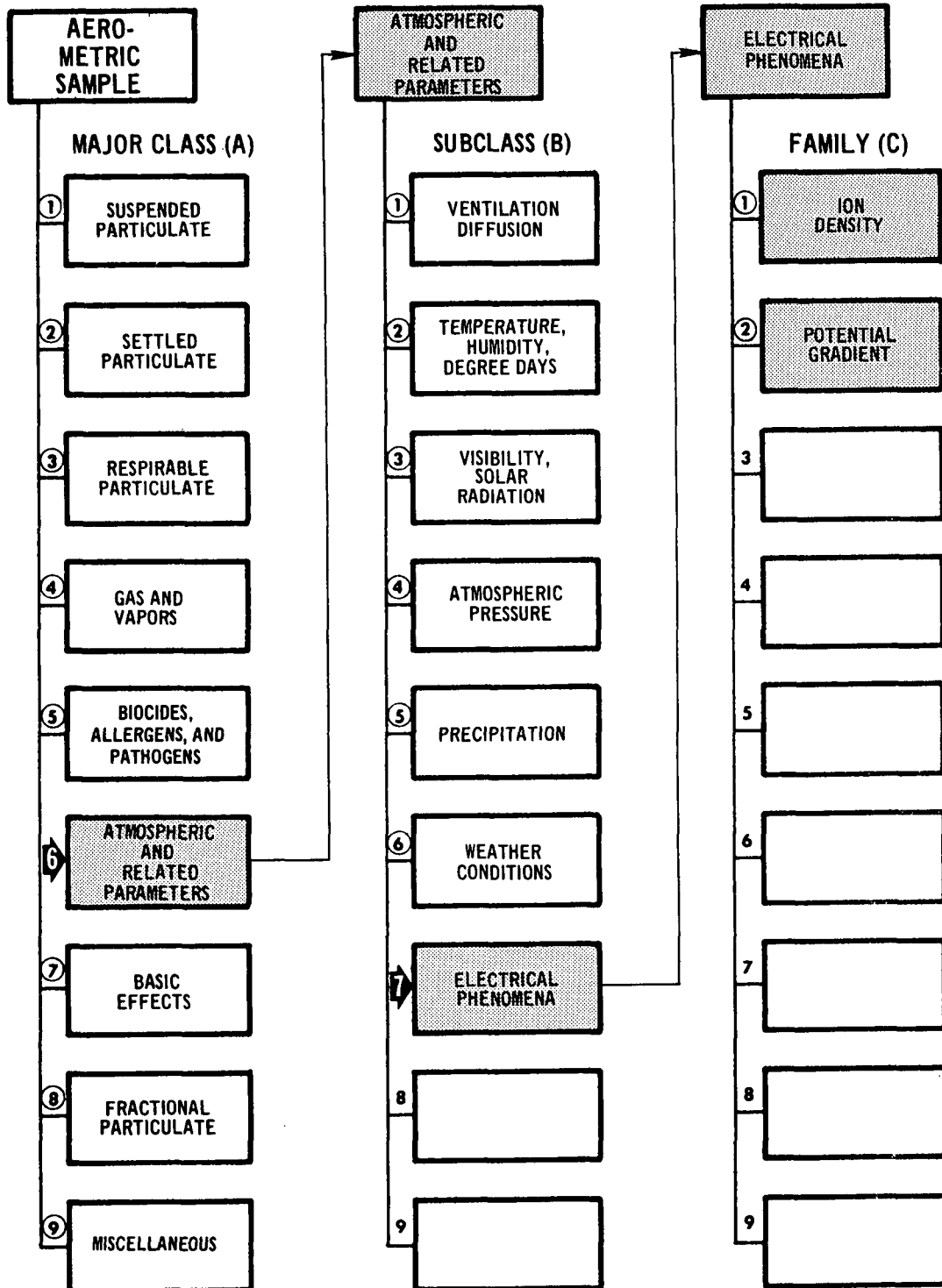
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
PRECIPITATION	65
Precipitation	651
Rain or melted precipitation (24-hour total)	65101
Rain or melted precipitation (observed period total)	65102
Snowfall (24-hour total)	65103
Snowfall (observed period total)	65104
Ground Cover	652
Snow depth	65201
Composition	653
Volume	65301
pH	65302
Conductivity	65303
Solids content	65304
Radioactivity	65305
Strong acid	65306
Weak acid	65307
Strong base	65308
Weak base	65309
Lithium	65310
Sodium	65311
Potassium	65312
Magnesium	65313
Calcium	65314
Fluoride	65315
Chloride	65316
Bromide	65317
Ammonium	65318
Carbonate	65319
Bicarbonate	65320
Nitrate	65321
Sulfate	65322
Bisulfate	65323
Formate	65324
Acetate	65325
Phosphate, tribasic	65326
Phosphate, dibasic	65327
Phosphate, monobasic	65328

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



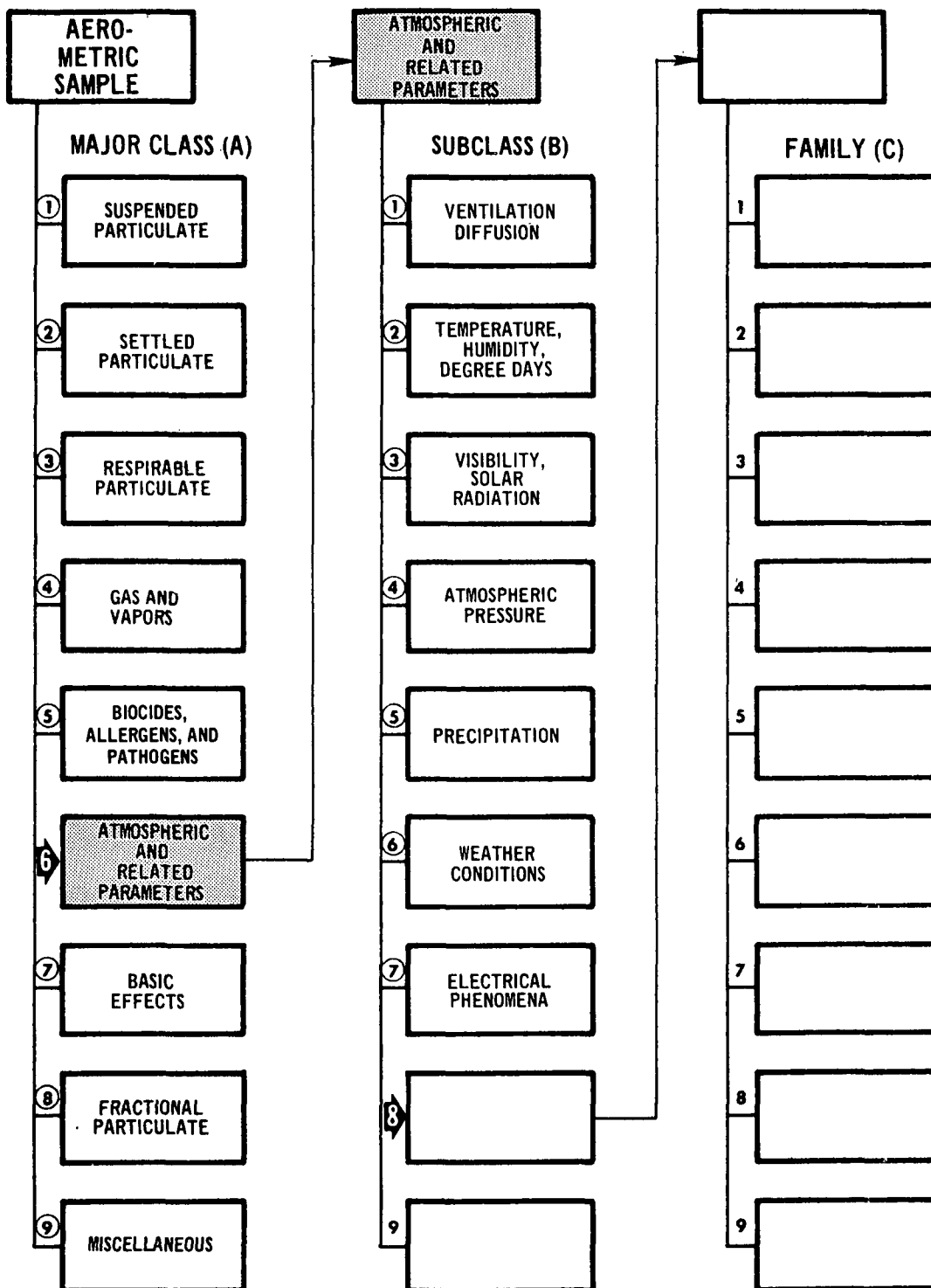
POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
WEATHER CONDITIONS	66
Sky Conditions	661
Current conditions (all layers)	66101
Average conditions (6:00 a.m.-6:00 p.m.)	66102
24-hour average conditions	66103
Clouds, first layer	66104
Height of first-layer clouds	66105
Clouds, second layer	66106
Height of second-layer clouds	66107
Clouds, third layer	66108
Height of third-layer clouds	66109
Surface Conditions	662
Ground	66201
Weather Conditions	663
Precipitation occurring	66301
Visibility restriction	66302

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



POLLUTANT OR PARAMETER	CODE
ATMOSPHERIC AND RELATED PARAMETERS	6
ELECTRICAL PHENOMENA	67
Ion Density	671
Large positive ions	67101
Large negative ions	67102
Small positive ions	67103
Small negative ions	67104
Potential Gradient	672
Vertical gradient, positive	67201
Vertical gradient, negative	67202

CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY



CLASSIFICATION BY MAJOR CLASS, SUBCLASS, AND FAMILY

