

Office of the Revisor of Statutes

Administrative Rules



TITLE: Adopted Permanent Rules Relating to Synthetic Organic Compounds

AGENCY: Department of Health

MINNESOTA RULES: Chapter 4740

APPROVED AS TO FORM AND LEGALITY

3-26 19 93

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

BY *Don V. Koehn*
SPECIAL ASSISTANT ATTORNEY GENERAL

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED

MAR 26 1993

Joan Anderson Howe
Secretary of State

12:35 PM
PRB

The attached rules are approved for
filing with the Secretary of State

Marie O'Neill

Marie E. O'Neill
Assistant Revisor

9301372

1 Department of Health

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3 Adopted Permanent Rules Relating to Synthetic Organic Compounds

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5 Rules as Adopted

6 4740.2040 CERTIFIED TEST CATEGORIES.

7 Subpart 1. **Scope.** The commissioner shall certify the
8 analytes in subparts 2 to 6 for a specific program. The
9 programs for which the commissioner shall certify an analysis
10 are:

11 A. the Clean Water Program, Code of Federal
12 Regulations, title 40, part 136;

13 B. the Safe Drinking Water Program, Code of Federal
14 Regulations, title 40, part 141; and

15 C. the Resource Conservation and Recovery Program,
16 Code of Federal Regulations, title 40, part 261.

17 To be certified for a specific program, the laboratory
18 shall use the sample collection, preservation, and handling
19 techniques required in the methodology meeting the conditions of
20 the specific program.

21 Subp. 2. **Inorganic analytes.**

22 A. Inorganic analytes eligible for certification
23 under the Clean Water Program are:

24 [For text of subitems (1) to (13), see M.R.]

25 (14) Organic Carbon, total;

26 [For text of subitems (15) to (25), see M.R.]

27 [For text of item B, see M.R.]

28 [For text of subps 3 and 4, see M.R.]

29 Subp. 5. **Volatile organic compounds (VOCs).**

30 [For text of item A, see M.R.]

31 B. Analytes eligible for certification under the Safe
32 Drinking Water Program are:

33 [For text of subitems (1) to (12), see M.R.]

34 (13) 1,1-dichloropropene;

35 [For text of subitems (14) to (42), see M.R.]

- 1 (43) o-Xylene;
- 2 (44) Styrene;
- 3 (45) 1,2,4-Trichlorobenzene; and
- 4 (46) Isopropylbenzene.

5 Subp. 6. Synthetic organic compounds (SOCs).

6 A. Analytes eligible for certification under the
7 Clean Water Program are:

- 8 (1) Acetone;
- 9 (2) Acrolein;
- 10 (3) Acrylonitrile;
- 11 (4) Aldrin;
- 12 (5) Benzidine;
- 13 (6) delta-BHC;
- 14 (7) beta-BHC;
- 15 (8) alpha-BHC;
- 16 (9) gamma-BHC (Lindane);
- 17 (10) Bis(2-chloroethoxy) methane;
- 18 (11) Bis(2-chloroethyl) ether;
- 19 (12) 1,1'-Biphenyl;
- 20 (13) 4-Bromophenylphenyl ether;
- 21 (14) Chlordane;
- 22 (15) 4-Chloro-3-methylphenol;
- 23 (16) 2-Chloroethylvinyl ether;
- 24 (17) 2-Chloronaphthalene;
- 25 (18) 2-Chlorophenol;
- 26 (19) 4-Chlorophenylphenyl ether;
- 27 (20) 4,4'-DDD;
- 28 (21) 4,4'-DDE;
- 29 (22) 4,4'-DDT;
- 30 (23) 3,3'-Dichlorobenzidine;
- 31 (24) 2,4-Dichlorophenol;
- 32 (25) Dieldrin;
- 33 (26) 2,4-Dimethylphenol;
- 34 (27) 2,4-Dinitrophenol;
- 35 (28) 2,6-Dinitrotoluene;
- 36 (29) 2,4-Dinitrotoluene;

- 1 (30) p-Dioxane;
- 2 (31) 1,2-Diphenylhydrazine;
- 3 (32) Endosulfan I;
- 4 (33) Endosulfan II;
- 5 (34) Endosulfan sulfate;
- 6 (35) Endrin;
- 7 (36) Endrin aldehyde;
- 8 (37) Ethyl ether;
- 9 (38) Heptachlor;
- 10 (39) Heptachlor epoxide;
- 11 (40) Hexachlorobenzene;
- 12 (41) Hexachlorobutadiene;
- 13 (42) Hexachlorocyclopentadiene;
- 14 (43) Hexachloroethane;
- 15 (44) Isophorone;
- 16 (45) 2-Methyl-4,6-dinitrophenol;
- 17 (46) Methyl ethyl ketone;
- 18 (47) Nitrobenzene;
- 19 (48) 2-Nitrophenol;
- 20 (49) 4-Nitrophenol;
- 21 (50) N-Nitrosodi-n-propylamine;
- 22 (51) N-Nitrosodimethylamine;
- 23 (52) N-Nitrosodiphenylamine;
- 24 (53) Polyaromatic Hydrocarbons (PAHs):
 - 25 (a) Acenaphthene;
 - 26 (b) Acenaphthylene;
 - 27 (c) Anthracene;
 - 28 (d) Benzo(a)anthracene;
 - 29 (e) Benzo(a)pyrene;
 - 30 (f) Benzo(b)fluoranthene;
 - 31 (g) Benzo(g,h,i)perylene;
 - 32 (h) Benzo(k)fluoranthene;
 - 33 (i) Chrysene;
 - 34 (j) Dibenzo(a,h)anthracene;
 - 35 (k) Fluoranthene;
 - 36 (l) Fluorene;

- 1 (m) Indeno(1,2,3-cd)pyrene;
- 2 (n) Naphthalene;
- 3 (o) Phenanthrene; and
- 4 (p) Pyrene;
- 5 (54) PCB-1016;
- 6 (55) PCB-1221;
- 7 (56) PCB-1232;
- 8 (57) PCB-1242;
- 9 (58) PCB-1248;
- 10 (59) PCB-1254;
- 11 (60) PCB-1260;
- 12 (61) Pentachlorophenol;
- 13 (62) Phenol;
- 14 (63) Phthalates:
- 15 (a) Benzylbutyl phthalate;
- 16 (b) Di(2-ethylhexyl) phthalate;
- 17 (c) Di-n-butyl phthalate;
- 18 (d) Di-n-octyl phthalate;
- 19 (e) Diethyl phthalate; and
- 20 (f) Dimethyl phthalate;
- 21 (64) Toxaphene;
- 22 (65) 1,2,4-Trichlorobenzene; and
- 23 (66) 2,4,6-Trichlorophenol.
- 24 B. Analytes eligible for certification under the Safe
- 25 Drinking Water program are:
- 26 (1) Alachlor;
- 27 (2) Aldicarb;
- 28 (3) Aldicarb sulfone;
- 29 (4) Aldicarb sulfoxide;
- 30 (5) Aldrin;
- 31 (6) Atrazine;
- 32 (7) Benzo(a)pyrene;
- 33 (8) beta-BHC;
- 34 (9) gamma-BHC (Lindane);
- 35 (10) Butachlor;
- 36 (11) Carbaryl;

- 1 (12) Carbofuran;
- 2 (13) Chlordane;
- 3 (14) 2,4-D (2,4-Dichlorophenoxyacetic acid);
- 4 (15) Dicamba;
- 5 (16) Dieldrin;
- 6 (17) Di-2(ethylhexyl) adipate;
- 7 (18) Di-2(ethylhexyl) phthalate;
- 8 (19) Dinoseb;
- 9 (20) Diquat;
- 10 (21) Endothall;
- 11 (22) Endrin;
- 12 (23) Glyphosate;
- 13 (24) Heptachlor;
- 14 (25) Heptachlor epoxide;
- 15 (26) Hexachlorobenzene;
- 16 (27) Hexachlorocyclopentadiene;
- 17 (28) 3-Hydroxycarbofuran;
- 18 (29) Methomyl;
- 19 (30) Methoxychlor;
- 20 (31) Metolachlor;
- 21 (32) Metribuzin;
- 22 (33) Oxamyl;
- 23 (34) PCBs;
- 24 (35) Pentachlorophenol;
- 25 (36) Picloram;
- 26 (37) Propachlor;
- 27 (38) Simazine;
- 28 (39) 2,4,5-T;
- 29 (40) Toxaphene; and
- 30 (41) 2,4,5-TP.

31 C. Analytes eligible for certification under the
32 Resource Conservation and Recovery Program are:

- 33 (1) Acetone;
- 34 (2) Acrylamide;
- 35 (3) Benzidine;
- 36 (4) Benzoic acid;

- 1 (5) beta-BHC;
- 2 (6) gamma-BHC (Lindane);
- 3 (7) 1,1'-Biphenyl;
- 4 (8) Bis(2-chloroisopropyl) ether;
- 5 (9) Carbon disulfide;
- 6 (10) Chlorpyrifos;
- 7 (11) Dalapon;
- 8 (12) 2,4-D (2,4-Dichlorophenoxyacetic acid);
- 9 (13) 4,4'-DDT;
- 10 (14) Dinoseb;
- 11 (15) p-Dioxane;
- 12 (16) 1,2-Diphenylhydrazine;
- 13 (17) Endrin;
- 14 (18) Ethyl ether;
- 15 (19) MCPA;
- 16 (20) Methyl ethyl ketone;
- 17 (21) Methyl isobutyl ketone;
- 18 (22) Methyl parathion;
- 19 (23) 2-Methyl phenol;
- 20 (24) 3-Methyl phenol;
- 21 (25) N-Nitrosodi-n-butylamine;
- 22 (26) Polyaromatic Hydrocarbons (PAHs):
 - 23 (a) Benzo(a)anthracene;
 - 24 (b) Benzo(a)pyrene;
 - 25 (c) Benzo(b)fluoranthene;
 - 26 (d) Benzo(j)fluoranthene;
 - 27 (e) Benzo(k)fluoranthene;
 - 28 (f) Dibenzo(a,h)anthracene;
 - 29 (g) Fluoranthene;
 - 30 (h) Indeno(1,2,3-cd)pyrene; and
 - 31 (i) Pyrene;
- 32 (27) Pentachlorobenzene;
- 33 (28) Phthalates:
 - 34 (a) Benzylbutyl phthalate;
 - 35 (b) Di-n-butyl phthalate;
 - 36 (c) Di(2-ethylhexyl) phthalate; and

- 1 (d) Dimethyl phthalate;
- 2 (29) Pronamide;
- 3 (30) 1,2,4,5-Tetrachlorobenzene;
- 4 (31) 2,3,4,6-Tetrachlorophenol;
- 5 (32) Toxaphene;
- 6 (33) 2,4,5-T; and
- 7 (34) 2,4,5-TP.

8 D. The approved methods to be used to satisfy
9 requirements of the Minnesota Pollution Control Agency for the
10 following analytes are those prescribed in the Safe Water
11 Drinking Program, Code of Federal Regulations, title 40, part
12 141:

- 13 (1) Acifluorfen;
- 14 (2) Alachlor;
- 15 (3) Aldicarb;
- 16 (4) Baygon (Propoxur);
- 17 (5) Bentazon;
- 18 (6) Bromacil;
- 19 (7) Butylate;
- 20 (8) Carbofuran;
- 21 (9) Carboxin;
- 22 (10) Chloramben;
- 23 (11) Chlorothalonil;
- 24 (12) Dacthal;
- 25 (13) Diphenamid;
- 26 (14) Diquat;
- 27 (15) Endothall;
- 28 (16) EPTC;
- 29 (17) Fenamiphos;
- 30 (18) Glyphosate;
- 31 (19) Hexazinone;
- 32 (20) Methomyl;
- 33 (21) Metolachlor;
- 34 (22) Metribuzin;
- 35 (23) Oxamyl;
- 36 (24) Picloram;

12/28/92

[REVISOR] MEO/BD AR2160

- 1 (25) Prometon;
- 2 (26) Propachlor;
- 3 (27) Tebuthiuron;
- 4 (28) Terbacil; and
- 5 (29) Terbufos.

6 REPEALER. Minnesota Rules, part 4720.5000, is repealed.