

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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**PESTICIDE FORMULATION METHODS INDEX
FOURTH EDITION**

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FOREWORD

This fourth edition of the NEIC Pesticide Formulation Methods Index is intended solely as a guide to the published and other available methods for pesticide formulations and related analyses. Listing of the methods or their order of appearance does not imply any degree of EPA approval or lend to the methods any additional degree of status than they intrinsically possess. It should be kept in mind, however, that Associated Official Analytical Chemists (AOAC) and Collaborative International Pesticides Analytical Council (CIPAC) procedures are currently the only "official" methods available.

Many of the referenced methods are obsolete or will rarely find use due to the availability of newer and more specific procedures, changing pesticide use patterns and regulatory restrictions. However, as many different pesticides and methods as possible were listed, as there may be occasions, where some other than the usual approaches may be necessary. Also, to the degree possible, suspected chemical violations should be confirmed by several different methods, if official methods are not available or applicable.

No attempt has been made in the index to include more than a minimum number of chemical names in the main listing; most of the pesticides are listed by their official, common, or in some cases, trade names. Chemical names may be located and/or verified via the cross-reference numbers given with each chemical in: "Catalog of Pesticide Chemical Names and their Synonyms, Coberly," *et al.*, PB86-170636, January 1986 (available from: NTIS, Springfield, VA 22161). Other common reference sources such as the Farm Index, British Crop Protection Manual, and Nanogen Index may also be consulted.

The primary numerical cross-reference in this edition of the Index is now the "Caswell Number," a more widely used and readily available descriptive numbering system than that used in the first two editions of the Index. Chemical Abstract Service Registry (CASR) numbers and the old Index number are also included parenthetically for each compound for

ease of reference. The Caswell Numbers are available in the "Catalog of Pesticide Chemical Names and Their Synonyms," mentioned previously.

Copies of any of the referenced methods (particularly those designated NEIC) may be obtained by request from the National Enforcement Investigations Center, Denver Federal Center, Building 53, Box 25227, Denver, Colorado 80225, (303) 236-7970.

The references cited in compiling this index are abbreviated as follows:

1. AOAC:

Official Methods of Analysis of the Association of Official Analytical Chemists, 15th Edition, 1990. Published by the Association of Official Analytical Chemists, Suite 400, 2200 Wilson Blvd., Arlington, VA 22201. Supplements issued annually. Those AOAC methods marked with an asterisk (*) have been adopted as joint AOAC-CIPAC methods.

2. EPA:

Manual of Chemical Methods for Pesticides and Devices, Environmental Protection Agency, Office of Toxic Substances, Pesticide Programs, Benefits and Field Studies Branch, Beltsville, Maryland, First issued 1974 and updated 4 times. Supplemental methods are noted parenthetically by issue number. Currently unavailable, however, specific methods can be requested from NEIC.

3. AMP:

Analytical Methods for Pesticides, Plant Growth Regulators and Food Additives, Ed. Zweig, Academic Press, New York. Vols. I-XVII, various volumes also edited by J. Sherma and others.

4. CIPAC:

CIPAC Handbook, Volume I and IA, through ID, Analysis of Technical and Formulated Pesticides. Compiled by R.D. Ashworth, J. Henriot and J.F. Lovett, edited by G.R. Law. Collaborative International Pesticides Analytical Council Limited, 1970 and 1980. Available from: Heffers Printers Ltd., Cambridge, EB4 2PQ England.

5. CAN:

Pesticide Product Procedures Manual, Analytical Methodology for Analysis of Pesticide Formulations, compiled by B. Lee and R. Hudle, 1985, Pesticide Laboratory, Laboratory Services Division, Ag Canada, Building 22, CEF, Ottawa, Canada (updated July 1987).

6. AWPAC:

American Wood-Preserver's Association Standards. Published by the American Wood-Preservers Association, 1012 14th Street, NW, Washington, D.C. 20005. Revised periodically.

7. NEIC:

These methods are various analytical procedures on file at the National Enforcement Investigations Center that do not fit into any of the previous categories. These methods are derived principally from pesticide manufacturers and formulators, but also include EPA and State developed methods. Journal methods other than the Journal of the Association of Official Analytical Chemists (JAOAC) are also included in this category.

If any laboratory using this index has methods available that would be useful for inclusion, please send copies to Dean F. Hill at the National Enforcement Investigations Center, Building 53, P.O. Box 25227, DFC, Denver, Colorado 80225. It would be particularly desirable to have methods listed for those compounds where none are given or where only spectrophotometric, elemental, or nonspecific methods are listed.

Dean F. Hill, Chief
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GLOSSARY

1.	AA	=	Atomic Absorption
2.	AX	=	Anion Exchange Chromatography
3.	CAP	=	Capillary Column
4.	CX	=	Cation Exchange Chromatography
5.	EC	=	Electron Capture Detector
6.	ES	=	External Standard
7.	FID	=	Flame Ionization Detector
8.	FPD	=	Flame Photometric Detector
9.	GC	=	Gas Chromatography
10.	HCD	=	Hall Electroconductivity Detector
11.	HPLC	=	High-Performance Liquid Chromatography
12.	IC	=	Ion Chromatography
13.	IR	=	Infra-Red Spectrophotometry
14.	IS	=	Internal Standard
15.	MS	=	Mass Spectrometry
16.	NP	=	Normal Phase
17.	NPD	=	Nitrogen/Phosphorus Detector
18.	RP	=	Reverse Phase
19.	TCD	=	Thermal Conductivity Detector
20.	TLC	=	Thin-Layer Chromatography
21.	TMS	=	Trimethylsilyl
22.	UV	=	Ultra-Violet Spectrophotometry
23.	WB	=	Wide Bore Column Gas Chromatography

Abate (see "Temephos" 845)

Acaralate (see "Chloropropylate" 511B)

Acarol (see "Bromopropylate" 511A)

Acephate (2A/30560-19-1/3)

1. GC (TCD-IS)..... AMP VII (p. 364)
2. GC (FID-IS)..... NEIC-2A-A
3. GC (FID-IS)..... NEIC-2A-2
4. GC (FID-ES, mixtures with triforine
and dicofol)..... EPA-1(4)

Acetic Acid (3/64-19-7/4)

1. Titrimetric (in acetates)..... NEIC-3-A
2. Titrimetric..... NEIC-3-B

Acetic Anhydride (3A/108-24-7/5)

1. Titrimetric..... NEIC-3A-A

Acetochlor (3B/34256-82-1/6)

Acetone (4/67-64-1/7)

1. GC (FID-IS)..... AOAC-973.69 (p. 498)
2. GC (FID-IS)..... AOAC-975.06 (p. 232)

Acifluorfen, Sodium Salt (755D/62476-59-9/12.5)

1. GC (TCD-IS; as ethyl ester)..... NEIC-755D-A
2. HPLC (RP-IS)..... EPA-1(4)

Acrolein (9/107-02-8/14)

Acrylonitrile (10/107-13-1/15)

Actidione (see "Cycloheximide" 270A)

Agritox (see "Trichloronat" 456A)

Akton (187A/1757-18-2/413)

1. GC (TCD-ES)..... NEIC-187A-A
2. IR..... NEIC-187A-B

Alachlor (11/15972-60-8/16)

1. GC (FID-IS)..... AOAC-985.04* (p. 174)
2. GC (FID-IS; microencapsulated) AOAC-988.03 (p. 174)
3. GC (TCD-IS)..... EPA-1
4. GC (FID-IS)..... EPA-2
5. IR NEIC-11-A
6. GC (FID-IS)..... AMP X (p. 257)
7. GC (FID-IS; Microtech®)..... EPA-1(4)
8. GC (FID-ES)..... CAN-ACY.G

Alanap-1 (see "Naptalam" 592)

Alar (see "Daminozide" 808)

Alcohols

1. GC (FID-IS)..... AOAC-1973.69 (p. 498)
2. GC (FID-IS)..... AOAC-975.06 (p. 232)

Aldicarb (11A/116-06-3/18)

1. IR AOAC-974.04 (p. 212)
2. Colorimetric..... JAOAC 49, 399 (1966)

Aldoxycarb (11AA/1646-88-4/18.5)

1. HPLC (NP-IS)..... NEIC-11AA-A
2. IR NEIC-11AA-B

Aldrin (12/309-00-2/19)

1. Total chlorine AOAC-961.04 (p. 175)
2. IR (HHDN)..... AOAC-961.05 (p. 175)
3. GC (FID-ES)..... AMP VI (p. 268)
4. IR NEIC-12-A

n-Alkyl Dimethylbenzylammonium Chloride (see "Quaternary Ammonium Chlorides")

Allantoin (24/97-59-6/82)

d-trans-Allethrin (25A/28057-48-9/84)

1. Titrimetric (Tech. allethrin)..... AOAC-953.05 (p. 164)
2. GC (FID-IS)..... AOAC-973.12 (p. 165)
3. GC (Mosquito coils) NEIC-25A-A
4. GC (Mosquito coils) NEIC-25A-B
5. GC (Pynamin-Forte, mosquito mats)... NEIC-25A-C
6. GC (FID-IS; with permethrin and
MGK-264).....CAN; ALL/PFL/OCT.G

Allidochlor (284/93-71-0/649)

1. GC (FID-ES) CAN; ALO.G

Alloxydim (25AA/55635-13-7/875.5)

Allyl Alcohol (26/107-18-6/85)

1. IR CIPAC-1 (p. 730)
2. IR (with D-D mixture) NEIC-26-A

Allyl Isothiocyanate (27/57-06-7/86)

Alphachloralose (876AA/15879-93-3/2015)

1. Total chlorine NEIC-876AA-A
2. Titrimetric NEIC-876AA-B
3. Colorimetric NEIC-876AA-C

Alpha-Naphthylthiourea (see "Antu" 28)

Altosid (see "Methoprene" 28AAA)

Aluminum Phosphide (31/20859-73-8/92)

1. Titrimetric NEIC-31-A
2. GC (FPD/PH₃ evol'n) see "Zinc Phosphide/EPA-2")

Amdro® (see "Hydramethylnon" 642AB)

Ametryn (431/834-12-8/94)

1. GC (FID-IS) AOAC-971.08 (p. 222)
2. Non-aqueous titration AMP IV (p. 15)
3. GC (FID-IS) NEIC-431-A

Amiben (see "Chloramben" 168A)

Amical 48 (see "Diiodomethyl-p-tolylsulfone" 353B)

Amical 77 (see "p-Chlorophenyl diiodomethylsulfone" 207AB)

Amidithion (3/919-76-6/95)

Aminobutane (see "sec-Butylamine" 125)

Aminocarb (360/2032-59-9/870)

1. HPLC (RP-IS) AOAC-985.02* (p.212)
2. IR NEIC-360-A
3. HPLC (RP-ES)..... AMP XII (p. 4)

4-Aminopyridine (38/504-24-5/104)

1. UV EPA-1
2. GC (FID-ES; on sunflower seeds) NEIC-38-A

3-Amino-s-triazole (see "Amitrole" 40)**Amitraz (374A/33089-61-1/105)**

1. GC/IR (Cattle dips)..... JAOAC 61, 1516 (1978)
2. GC (FID-IS)..... NEIC-374A-A

Amitrole (40/61-82-5/106)

1. Titrimetric.....AOAC-967.06 (p. 223)
2. Colorimetric.....EPA-1
3. GC (FID-IS).....AMP XIII (p. 192)
4. Colorimetric (with simazine).....NEIC-40-A

Amizine (see Simazine" 740)**Ammate (see "Ammonium Sulfamate" 47)****Ammoniacal Copper Arsenite**

1. AmmoniaAWPA; A2-71-1
2. Arsenic.....AWPA; A2-71-2
3. Copper.....AWPA; A2-71-6

Ammonium Sulfamate (47/7773-06-0/125)

1. Titrimetric.....EPA-1

Ammonium Sulfate (48/7783-20-2/126)**p-tert-Amylphenol (50/80-46-6/131) and Potassium Salt (50A/53404-18-5/132)**

1. GC (see "Phenols and Chlorophenols/EPA-6-Tent. & EPA-8-Tent")
2. HPLC (RP-ES).....NEIC-50-A
3. HPLC (RP-ES).....NEIC-50-B

Anabesine (51/494-52-0/134)

Ancymidol (51/12771-68-5/135)

1. GC (FID-IS).....AMP VIII (p. 477)

Anethole (51B/104-46-1/136)

Anfor (see "Glycophene" 470A)

Anilazine (302/101-05-3/685)

1. HPLC (RP-IS).....AOAC; 988.04 (p. 213)
2. Labile Chlorine (see "Chloro-Triazine Herbicides/EPA-1")
3. IREPA-1
4. GC (TCD-IS).....EPA-2
5. Hydrolyzable ChlorineAMP III (p. 81)
6. HPLC (RP-IS)NEIC-302-A

Animert (see "Tetrasul" 213)

Anthio (see "Formothion" 366C)

Anthraquinone (52A/84-65-1/140)

Antimony Potassium Tartrate (53/28300-74-5/141)

1. Titrimetric (see "Zinc Phosphide/EPA-1")

Antimycin A (52B/1397-94-0/142)

1. UVEPA-1 (1)

Antor (see "Diethatyl ethyl" 179D)

ANTU (28/86-88-4/1472)

1. UVEPA-1 (3)
2. TitrimetricCIPAC-1 (p. 16)

Aramite (131/140-57-8/307)

1. Total ChlorineAMP II (p. 36)

A-rest (see "Ancymidol" 51A)

Aromatic Naphtha (70AA/-/-)

1. GC (FID-ES/CAP) CAN; HANap/POJ.G

Arsenic

1. Titrimetric (DSMA, etc.).....EPA-1/3/4
2. Titrimetric (Inorganics)EPA-2
3. Distillation (Inorganics)AOAC-922.03 (p. 147)
4. Ion-exchange (Inorganics).....AOAC-963.06 (p. 149)
5. Iodometric Titration (Inorganics).....AOAC-924.04 (p. 148)

Arsenic (water soluble)

1. Titrimetric (Inorganic arsenicals).....AOAC; 925.02 (p. 149)

Aspon (845A/3244-90-4/1960)

1. GC (FID-IS).....AMP XIII (p. 150)
2. IRNEIC-845A-A
3. GC (TCD-ES)NEIC-845A-B
4. TLC/Total P.....NEIC-845A-C
5. IRNEIC-845A-D

Asulam (62A/3337-71-1/154) & Na Salt (62B)

1. Non-aqueous Titration.....AMP VII (p. 499)
2. HPLC (RP-ES).....AMP XIII (p. 198)
3. UVEPA-1 (1)

Atraton (430B/1610-17-9/1032)

1. TitrimetricAMP IV (p. 28)

Atrazine (63/1912-24-9/156)

1. GC (FID-IS).....AOAC-971.08 (p. 222)
2. Labile Chlorine (see "Chloro-Triazine Herbicides/EPA-1")
3. IREPA-1
4. GC (FID-IS).....EPA-2
5. HPLC (RP-IS).....EPA-3 (3)
6. HPLC (RP-IS).....EPA-4 (3)
7. GC (FID-IS; with metolachlor) (see "Mixed Pesticides EPA-2")
8. GC (FID-IS; with propachlor).....NEIC-63-A
9. GC (FID-IS; with metolachlorEPA-1(4)
10. GC (FID-IS).....CAN; ATR.G
11. GC (FID-ES; in fertilizers).....CAN; EPT.G

Avadex (see "Diallate" 299)

Available Chlorine

1. Titrimetric (NaOCl)AOAC; 935.07 (p. 160)
2. Titrimetric [(Ca(OCl)₂]AOAC; 935.09 (p. 161)
3. Titrimetric (Chloramine T)AOAC; 935.10 (p. 161)
4. Titrimetric (Cleansers).....NEIC-AvCl-A
5. Titrimetric (Cyanurates).....NEIC-AvCl-B
6. Titrimetric (ASTM: Released I₂)NEIC-AvCl-C

Avenge (see "Difenzoquat methyl sulfate" 363A)

Azak (see "Terbutol" 294)

Azinphos Ethyl (344/2642-71-9/828)

1. GC (FID-ES)AMP VI (p. 397)

Azinphos Methyl (374/86-50-0/899)

1. IRAOAC; 980.09* (p. 197)
2. HPLC (RP-IS)AOAC; 989.01 (p. 198)
3. IREPA-1
4. Colorimetric.....AMP II (p. 233)
5. GCAMP VI (p. 397)
6. HPLC (NP-IS).....NEIC-374-A

Aziprotryne (63B/4658-28-0/158)

Azobenzene (64/103-33-3/159)

Azocyclotin (884AA/41083-11-8/2067)

Azodrin (see "Monocrotophos" 377/6923-22-4/901)

Azothoate (206A/5834-96-8/461)

BAAM (see "Amitraz" 374A)

Bacillus Thuringiensis (66/68038-71-1/161)

Balan (see "Benefin" 130)

Banamite (81E/25939-05-3/188)

1. GC (FID-IS).....NEIC-81E-A

Bandane (673/8029-29-6/1669)

Banol (see "Carbonalate" 219)

Banvel D (see "Dicamba" 295)

Banvel T (see "Tricamba" 869)

Barban (68/101-27-9/164)

1. UVAMP IV (p. 40)
2. HPLC (RP-ES).....AMP XII (p. 179)
3. HPLC (RP-ES).....NEIC-68-A

Barium Metaborate (71/13701-59-2/167)

Barthrin (71AA/70-43-9/168)

Basalin (see "Fluchloralin" 460B)

Baygon (see "Propoxur" 508)

Bayleton (see "Triadimeform" 862AA)

Bayluscide (see "Clonitralid" 314)

Baytex (see "Fenthion" 456F)

Benalaxyl (see "Galban" 471AC)

Benazolin (202A/3813-05-6/451)

Bendiocarb (360B/22781-23-3/172.5)

1. HPLC (RP-IS).....AOAC-986.09* (p. 214)
2. IREPA-1 (2)
3. UVEPA-2 (2)
4. HPLC (RP-IS).....EPA-3 (3)
5. GC (FID-IS; pyrolysis).....AMP X (p. 6)
6. IR (for phenolic by-product).....AMP X (p. 8)
7. Preparation of analytical standard.....AMP X (p. 9)

Benfluralin (130/1861-40-1/299)

1. GC (FID-IS).....AOAC-973.14 (p. 180)
2. UVAOAC-973.13 (p. 179)
3. IREPA-1
4. GC (FID-IS).....EPA-2
5. GC (FID-IS; separation from trifluralin) NEIC-130-A
6. GC (FID-IS).....AMP VIII (p. 342)
7. GC (FID-IS; with trifluralin).....JAOAC **73**, 981 (1990)

Benlate (see "Benomyl" 75A)

Benodanil (see "Iodobenzanilide" 501AB)

Benomyl (75A/17804-35-2/173)

1. HPLC (RP-ES).....AOAC-984.09* (p. 214)
2. IREPA-1
3. UVEPA-2
4. Colorimetric.....JAOAC **58**, 971 (1975)
5. IRAMP X (p. 159)
6. Nonaqueous Titration.....AMP X (p. 162)
7. UV (also determines MBC).....JAOAC **62**, 488 (1979)
8. HPLC (RP-ES; with carbaryl).....CAN; BEN.L

Bensulide (357/741-58-2/862)

1. GC (FID-IS).....AMP VI (p. 672)
2. HPLC (NP-IS).....AMP XIII (p. 219)
3. IREPA-1
4. IRNEIC-357-A/B
5. HPLC (RP-ES).....EPA-2(4)
6. HPLC (RP-ES).....CAN; BEL.L

Bentazon (509C/25057-89-0/174)

1. UV (also sodium salt).....EPA-1 (1)
2. GC (FID-ES; after silylation).....NEIC-509C-A
3. HPLC (RP-IS).....EPA-2 (4)
4. HPLC (RP-ES).....CIPAC-IC (p. 1973)
5. HPLC (RP-ES).....CAN; BEN.L

Benthioncarb (see "Thiobencarb" 207DA)

Benzadox (75C/5251-93-4/175)

Benzaldehyde (76/100-52-7/177)

Benzene (77/71-43-2/178)

1. GC(FID-IS)AOAC-975.06 (p. 232)

Benzene Hexachloride, Gamma Isomer (see "BHC, Gamma Isomer" 527)

Benzipram (79D/35256-86-1)

1,2-Benzisothiazolin-3-one (see "Proxel" 79A)

Benzocaine (430A/94-09-7/1031)

1. Colorimetric.....AOAC-968.40 (p. 521)
2. UV.....AOAC-968.42 (p. 522)

Benzoic Acid (81/65-85-0/182)

Benzomate (see "Benzoximate" 188G)

Benzothienyl Methylcarbamate (81D/1079-33-0/187)

1. Hydrolysis/Distillation.....NEIC-81D-A

Benzoximate (188G/29104-30-1/420)

Benzoylprop-ethyl (431AA/22212-55-1/1033)

1. GC (FID-IS).....CIPAC-1B (p. 1732)

Benzthiazuran (81C/1929-88-0/186)

6-Benzyladenine (81EE/1214-39-7/1629.5)

1. TLC.....AMP X (p. 549)

Benzyl Benzoate (82/120-51-4/191)

1. GC (TCD/FID-ES).....NEIC-82-A

Benzyl Bromacetate (82A/5437-45-6/192)

1. GC (TCD-ES)NEIC-82A-A

o-Benzyl-p-Chlorophenol (83/120-32-1/193), K salt (83A) & Na salt (835)

1. GC (see "Phenols and Chlorophenols/EPA-6-Tent. and EPA-8-Tent.")
2. Total Chlorine (see Phenols and Chlorophenols/EPA-3")
3. HPLC (RP-ES).....NEIC-83-A

Betanal (see "Phenmedipham" 648B)

Betasan (see "Bensulide" 357)

BHC, Gamma Isomer (527/58-89-9/1282)

1. IRAOAC-947.01 (p. 179)
2. Column Chromatography.....AOAC-949.05 (p. 176)
3. GC (FID-IS; shampoos and lotions).....AOAC-984.05* (p. 178)
4. IREPA-1
5. Hydrolyzable ChlorineCIPAC-1 (p. 986)
6. Polarography.....CIPAC-1 (p. 37)
7. GCNEIC-527-B
8. IRNEIC-1282-2 (VA)
9. GC (FID-IS; with maneb).....JAOAC 69, 929 (1986)
10. GC (FID-IS; in BHC)CIPAC-IC (p. 1977)
11. GC (FID-ES)CAN; LIN.G

BHC (79/608-73-1/179)

1. IRAOAC-947.01 (p. 179)

Bidisin (see "Chlorfenprop-methyl" 557A)

Bidrin (see "Dicotophos" 376)

Bifenox (561AA/42576-02-3/200)

1. GC (TCD-IS).....NEIC-561AA-A

Binapacryl (86/485-31-4/201)

1. IREPA-1
2. Colorimetric.....AMP V (p. 236)

Bioban P-1487 (601A/2224-44-4/1489)

Biobor (627/14697-50-8/1548)

1. Titrimetric.....NEIC-627-A

Bioquin (see "Copper 8-Quinolinolate" 253)

Bioresmethrin (see "Resmethrin" 83E)

Biphenyl (87/92-52-4/202)

1. UVJAOAC 40, 282 (1957)
2. GC (FID-IS).....NEIC-87-A
3. UV (Fruit wraps.....NEIC-87-B

Birlane (see "Chlorfenvinphos" 187)

Bis(tributyltin)oxide (101/56-35-9/229)

1. Titrimetric (see "Organotin Compounds/EPA-1)
2. GC (FID-IS).....EPA-1 (4)

Bithionol (852/97-18-7/1971)

1. UVNEIC-852-A

Bladex (see "Cyanazine" 188C)

B-Nine (see "Daminozide" 808)

Boldo (see "Bromodialone" 486AB)

Bolero (see "Thiobencarb" 207DA)

Bolstar (see "Sulprofos" 453AA)

Bomyl (367/122-10-1/886)

1. IRNEIC-367-A

Bone Oil (107/8001-85-2/239)

Borax (108/1303-96-4/240)

1. Titrimetric (see "Boron Compounds/EPA-1")

Bordeaux Mixture (-/8011-63-0/-)

1. Moisture.....AOAC-920.25 (p. 158)
2. Carbon Dioxide.....AOAC-920.26 (p. 158)
3. Copper (Electrolytic).....AOAC-920.27A (p. 158)
4. Copper (Titrimetric).....AOAC-920.27B (p. 158)
5. Mixtures with Paris GreenAOAC-920.28 (p. 158)
6. Mixtures with Lead Arsenate.....AOAC-920.29 (p. 158)
7. Mixtures with Calcium ArsenateAOAC-925.03 (p. 159)

Boron Compounds

1. Titrimetric.....EPA-1

Botran (see "Dichloran" 311)

Bravo (see "Chlorothalonil" 215B)

Brodifacoum (114AAA/56073-10-0/242.5)

1. HPLC (RP-IS).....AOAC-983.11 (p. 224)
2. HPLC (RP-ES).....NEIC-114AAA-A
3. HPLC (RP-IS).....AMP XVI (p. 136)

Bromacil (111/314-40-9/243)

1. GC (FID-IS).....EPA-1
2. IR (Hyvar X).....NEIC-111-A
3. IR and UV (with diuron).....NEIC-111-B
4. HPLC (Oil-base, with pentachlorophenol) NEIC-111-C
5. Non-aqueous Titration.....AMP V (p. 340)
6. HPLC (Pentachlorophenol & 2,4-D-IOE) NEIC-111-D
7. Titrimetric.....CIPAC-IC (p. 1986)
8. GC (FID-IS/MB).....CAN; BRO.G

Bromadiolone (486AB/28772-56-7/250.1)

1. TLC/HPLC/IR/UVNEIC-486AB-A
2. HPLC (RP-IS).....EPA-1 (4)
3. HPLC (RP-ES).....CAN; BRA.L
4. HPLC (RP-IS; in baits, concentrates
and wax blocks).....AMP XVI (p. 142)
5. HPLC (RP-ES; in baits)JAOAC 73, 429 (1990)

Bromeflor (see "Ethephon" 426A)

Bromethalin (561BB/63333-35-7/-)

Brominated Salicylanilides (863/87-10-5/863)

1. UV.....EPA-1

Bromocyclen (116/1715-40-8/256)

2-Bromo-2-nitropropane-1,3-diol (116A/52-51-7/257)

1. GC (FID-IS).....NEIC-116A-A

Bromophos (114E/2104-96-3/254)

1. IRCIPAC-1 (p. 730)
2. GC (FID-IS).....NEIC-114E-A
3. Titrimetric.....AMP X (p. 33)

Bromophos Ethyl (114D/4824-78-6/253)

1. Titrimetric.....AMP X (p. 43)

Bromopropylate (511A/18181-80-1/259)

1. GC (FID-IS).....NEIC-511A-A

Bromoxynil (119/1689-84-5/261)

1. GC (FID-ES; hydrolysis/methylation)AMP V (p. 354)
2. Total Bromine.....AMP V (p. 353)
3. GC (FID-IS; methyl ester).....CIPAC-IC (p. 1990)
4. Reference std. (purification and purity) ..CIPAC-IC (p. 2326)

Bromoxynil Octanoate (119A/1689-99-2/262)

1. GC (FID-IS).....AOAC-980.05* (p. 180)
2. GC (FID-IS).....CIPAC-IC (p. 2000)
3. Reference Std. (purification and purity) ..CIPAC-IC (p. 2330)
4. GC (FID-IS).....CAN; BSY.G

Bronopol (see "2-Bromo-2-nitropropane-1,3-diol" 116A)

Buctril (see "Bromoxynil" 119)

Bufencarb (454C/2282-34-0/263)

1. GC (TCD-ES)AMP VII (p. 181)

Bupirimate (119AAA/41483-43-6/264)

1. GC (FID-IS).....NEIC-119AAA-A
2. GC (FID-IS).....CIPAC-IC (p. 2007)
3. Reference Std. (purification and purity) ..CIPAC-IC (p. 2340)
4. Identification (GC/TLC/IR/NMR)CIPAC-ID (p. 182)

Busan 72 (853A/21564-17-0/1973)

1. Colorimetric.....JAOAC 59, 737 (1977)
2. IRNEIC-853A-A

Busan 73 (195D/16008-32-5/440)

1. Titrimetric.....NEIC-195D-A

Busan 74 (853A/21564-17-0/1210) and (495A/29803-57-4/1973)

1. Titrimetric and IRNEIC-853A-A

Busan 76 (266C/27983-69-3/586)

1. Hydrolyzable BromineNEIC-266C-A
2. GC (FID-ES).....NEIC-266C-B

Busan 77 (678A/31512-74-0/1684)

1. Titrimetric (27.3% Chloride).....AOAC- 960.14A (p. 228)

Busan 90 (115/2491-38-5/255)

1. Hydrolyzable BromineNEIC-115-A

Busan 881 (402A/138-93-2/1715) and (696/137-41-7/1046)

1. Total Nitrogen NEIC-402A/696-A
2. UV..... NEIC-402A/696-B
3. CS₂ Evolution..... AOAC-965.15 (p. 217)

Butachlor (119B/23184-66-9/265)

1. GC (FID-IS).....AOAC-986.04* (p. 181)
2. GC (FID-ES).....CAN; BUH.G

Butam (83EE/35256-85-0/266)

Buthidazole (721A/55511-98-3/271)

Butocarboxim (578AAA/34681-10-2/1435)

Butonate (385A/126-22-7/914)

Butoxycarboxim (120A/34681-23-7/1432)

Butoxypropylene Glycol (122/9003-13-8/276)

Butralin (125E/33629-47-9/278)

1. GC (FID-IS).....NEIC-125E-A

Buturon (207E/3766-60-7/470)

sec-Butylamine (125/13952-84-6/281)

1. Distillation/TitrationAMP VIII (p. 253)
2. UVAMP VIII (p. 255)
3. Colorimetric.....JAOAC 61,1001(1978)

Butylate (434A/2008-41-5/1039)

1. GC (FID-IS).....AOAC-974.05 (p. 221)
2. GC (TCD-ES)EPA-1
3. HPLC (NP-ES)EPA-2
4. GC (FID-IS).....EPA-3
5. GC (FID-IS).....EPA-4
6. GC (TCD-IS).....EPA-5
7. HPLC (RP-ES).....EPA-6 (2)
8. GC (FID-IS).....AMP XIII (p. 295)
9. IRNEIC-434A-A
10. GC (FID-ES).....CAN; BYA.G
11. GC (FID-ES; in fertilizers).....CAN; EPT.G

p-tert-Butylphenol (130E/98-54-4/304, K salt (130F/3130-29-8/305) and Na salt (130G/5787-50-8/306)

1. GC (see "Phenols and Chlorophenols/EPA-8")

Bux (see "Bufencarb" 454C)

Cacodylic Acid (133/75-60-5/310) & Na salt (133A/124-65-2/311)

1. Polarography.....AOAC-977.28 (p. 501)
2. Titrimetric (see "Arsenic/EPA-4")
3. GC (ECD-ES; after derivitization with HI).....NEIC-133-A
4. IC (conductivity detector)JAOAC 72, 994 (1989)

Cadium Chloride (135/10108-64-2/316)

1. A AEPA-1

Calcium Arsenate (137/7778-44-1/323)

1. Arsenious Oxide (Titrimetric)AOAC-921.05 (p. 154)
2. Total Calcium (Titrimetric).....AOAC-921.06B (p. 155)
3. Total Calcium (Gravimetric).....AOAC-921.06C (p. 155)

Calcium Cyanide (142/592-01-8/330)

1. TitrimetricAOAC-930.12 (p. 159)

Calcium Hypochlorite (145/7778-54-3/333)

1. TitrimetricAOAC-935.09 (p. 161)
2. TitrimetricNEIC-145-A

Calcium Polysulfide (150/1344-81-6/340)

1. Gravimetric (Water soluble sulfur)AOAC-920.31 (p. 159)
2. Thiosulfate Sulfur (Titrimetric).....AOAC-920.32 (p. 160)
3. Sulfide (Gravimetric).....AOAC-920.33 (p. 160)
4. Calcium (Gravimetric).....AOAC-920.34 (p. 160)

Camphechlor (see "Toxaphene" 861)

Camphor (155/76-22-2/346)

Capsaicin (158/404-86-4/350)

Captafol (828/2939-80-2/351)

1. IREPA-1
2. GC (TCD-ES)AMP V (p. 295)
3. HPLC (NP-IS).....AMP X (p. 173)
4. GC (FID-IS).....AMP X (p. 175)
5. IRCIPAC-1 (p. 730)
6. HPLC (NP-IS).....CAN; CAO.L

Captan (159/133-06-2/352)

1. GC(FID-IS).....AOAC-971.05* (p. 181)
2. HPLC (NP-IS).....AOAC-980.06* (p. 181)
3. Hydrolyzable Chlorine.....EPA-1
4. IR.....EPA-2
5. GC (FID-IS).....EPA-3 (3)
6. HPLC (NP-IS).....EPA-4 (3)
7. GC (FID-IS; with malathion/methoxychlor).....NEIC-159-A
8. HPLC (NP-IS; Flowables)NEIC-159-B
9. IR.....CIPAC-1 (p. 172-4)
10. GC (FID-IS; with carbaryl and naled).....NEIC-159-C
11. GC (FID-ES/MB).....CAN-CAP.G
12. HPLC (NP-ES; with phosalone).....CAN-PHE.L/CAP.L

Carbamate Contamination

1. TLC.....NEIC-TLC-A

Carbaryl (160/63-25-2/353)

1. IR.....AOAC-976.04 (p. 215)
2. UV.....EPA-1
3. HPLC (RP-ES).....EPA-2
4. HPLC (RP-IS).....EPA-3 (3)
5. HPLC (NP-IS).....JAOAC 57, 648 (1974)
6. Colorimetric.....JAOAC 53, 896 (1970)
7. Near IR.....JAOAC 51, 379 (1968)
8. Colorimetric.....JAOAC 54, 128 (1971)
9. Methylamine Distillation.....NEIC-160-A
10. HPLC (with malathion, folpet and dicofol).....NEIC-160-B
11. IR.....NEIC-160-C
12. HPLC (NP-IS).....JAOAC 63, 650 (1980)
13. HPLC (by-product assay).....CIPAC-1A (p. 1112)
14. HPLC (RP-IS).....AMP XIII (p. 157)
15. GC (with captan and naled).....NEIC-160-D
16. HPLC (RP-ES; with carbaryl).....CAN; BEH.L
17. HPLC (RP-ES).....CAN; CAV.L

Carbetamide (159B/16118-49-3/354)

1. Hydrolysis/Distillation.....AMP VII (p. 511)

Carbofuran (160A/1563-66-2/355)

1. HPLC (RP-IS).....AOAC-986.10* (p. 215)
2. IR.....EPA-1
3. GC(FID-IS).....NEIC-160A-A
4. Dimethylamine Distillation.....NEIC-160A-B

Carbofuran (160A/1563-66-2/355) (cont.)

5. HPLC (RP-IS)..... NEIC-160A-C
6. Colorimetric..... JAOAC 61, 1513 (1978)
7. HPLC (RP-IS)..... NEIC-160A-D
8. GC (FID-IS)..... CAN-CBF.G
9. GC (FID-IS; flowables)..... CAN-CBF.G(a)
10. HPLC (RP-ES)..... CAN-CBF.L
11. GC (FID-ES/MB)..... CAN-CBF.G(2)

Carbonalate (219/68989-02-6/507)

1. UV..... AMP V (p. 204)

Carbon Dioxide (163/124-38-9/358)

1. Gravimetric (in Bordeaux mixture)..... AOAC-920.26 (p. 158)

Carbon Disulfide (162/75-15-0/359)

1. GC (TCD/FID-ES)..... AOAC-966.05 (p. 164)

Carbon Tetrachloride (164/56-23-5/360)

1. GC (TCD/FID-ES)..... AOAC-966.05 (p. 164)
2. GC (FID-ES)..... NEIC-FUM-A

Carbophenothion (165/786-19-6/361)

1. UV..... AMP II (p. 548)
2. GC (FID-ES)..... AMP VI (p. 519)
3. IR..... NEIC-165-A

Carbosulfan (463C/55285-14-8/-)

1. GC/IR/HPLC..... NEIC-463C-A/B/C

Carboxin (165A/5234-68-4/362)

1. IR..... EPA-1
2. UV..... EPA-2(2)
3. HPLC (RP-ES)..... NEIC-165A-A
4. IR..... AMP VIII (p. 321)
5. Titrimetric..... AMP VIII (p. 322)
6. TLC/UV..... JAOAC 61, 971 (1978)
7. GC (NPD-ES/CAP; on treated seeds)..... CAN-CBX.G
8. HPLC (RP-ES; with thiram)..... CAN-CBX.G/THR.L

Carbyne (see "Barban" 68)

Cartap (360C/15263-52-2/871)

1. Polarographic..... AMP VII (p. 373)
2. Colorimetric (as hydrochloride)..... CIPAC-ID (p. 25)

Carzol (see "Formetanate" 465A)

Casoron (see "Dichlobenil" 297)

CDAA (see "Allidochlor" 284))

CDEC (see "Sulfallate" 180)

Chinomethionat (see "Oxythioquinox" 2110)

Chlomethoxynil (-/ /-)

1. GC (FID-IS).....AMP X (p. 269)

Chloramben (168/302-17-0/374)

1. UVAOAC-971.06 (p. 182)
2. Titrimetric AMP V (p. 325)

Chloramine T (170/127-65-1/381)

1. TitrimetricAOAC-935.10 (p. 161)

Chloranil (171/118-75-2/382)

1. Reduction/Titration.....AMP III (p. 29)

Chlorazine (172/580-48-3/383)

Chlorbenside (173/103-17-3/384)

1. IR CIPAC-1 (p. 730)
2. IR (as Mitox)NEIC-173-A

Chlorbromuron (173A/13360-45-7/385)

1. GC (FID-ES)EPA-1
2. TLC/UV AMP VII (p. 576)

Chlorbufam (575A/1967-16-14/1427)

Chlordane, AG

1. IRAOAC-973.15 (p. 183)
2. GC (FID-ES; heptachlor content).....AOAC-973.17 (p. 184)

Chlordane, Technical (174/57-74-9/386)

1. Total Chlorine
(Sodium biphenyl reduction)AOAC-962.05 (p. 182)
2. Colorimetric.....AOAC-965.14 (p. 183)
3. Hexachlorocyclobutadiene Content (UV). AOAC-966.06 (p. 183)
4. Total Chlorine (Sodium).....AMP II (p. 51)
5. Composition.....JAOAC 59, 696 (1976)
6. GC (EC-CAP).....JAOAC 68, 175 (1985)
7. Qualitative Test.....NEIC-174-A
8. IR CharacterizationCIPAC-1A (p. 1119)
9. GC (FID-ES)CAN; CHD.G

Chlordecone (275/143-58-0/621)

1. IRNEIC-275-A

Chlordimeform (174A/6164-98-3/387) and Chlordimeform Hydrochloride
(174B/19750-95-9/388)

1. GC (FID-IS).....AOAC-985.05 (p. 184)
2. GC (FID-IS).....EPA-1 (3)
3. Titrimetric & GC.....AMP VII (p. 214/215)
4. GC (FID-IS).....NEIC-174A-A
5. TLC.....NEIC-174A-B

Chlorofenac (see "Fenac" 882)

Chlorfenethol (310/80-06-8/702)

Chlorfenprop-methyl (557A/14437-17-3/1345)

1. GC (FID-ES)NEIC-557A-A

Chlorfenson (see "Ovex" 624)

Chlorfenvinphos (187/470-90-6/412)

1. GC (FID-IS).....CIPAC-1A (p. 1132)
2. GC (FID-ES)CAN; CHM.G
3. HPLC (RP-ES).....CAN; CHM.L

Chlorflurazole (327A/3615-21-2/796)

Chlorflurecol (192A/2464-37-1/428)

Chlorflurecol-methyl (see "Dichlorflurenol, methyl ester" 557B)

Chloridazon (see "Pyrazon" 714C)

Chlorimuron Ethyl (1938/90982-32-4/-)

1. HPLC (RP-IS)..... AMP XVI (p. 40)

Chlorinated Camphene (see "Toxaphene" 861)

Chlorinated Hydrocarbon Contamination

1. TLC..... AOAC-972.05 (p. 152)
2. TLC..... AMP VII (p. 6)
3. TLC..... NEIC-TLC-A

Chlorinated Phenols (see "Phenols and Chlorinated Phenols")

Chlorine Dioxide (179A/10049-04-4/392)

1. Titrimetric..... NEIC-179A-A

Chlormephos (195B/24934-91-6/439)

1. GC (FID-IS)..... AMP X (p. 51)

Chlormequat Chloride (191/999-81-5/425)

1. Chloride Titration..... CIPAC ID (p. 40)
2. Gravimetric..... AMP VII (p. 524)
3. Colorimetric..... AMP VII (p. 525)

Chlornidine (89A/26389-78-6/207)

Chloroacetic Acid (179B/79-11-8/393)

Chlorobenzene (183A/108-98-7/402)

Chlorobenzilate (434/510-15-6/1038)

1. GC (FID-IS)..... AOAC-971.08 (p. 222)
2. GC (FID-IS)..... EPA-1 (1)
3. GC (FID-IS)..... AMP VI (p. 319)
4. Total Chlorine..... AMP II (p. 66)

4-Chloro-2-cyclopentylphenol (186/13347-42-7/408) and Potassium salt (186AA)

1. GC (see "Phenols and Chlorophenols/EPA-6 & EPA-8-Tent.")
2. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")
3. GC (TCD-ES) NEIC-186-A
4. HPLC (RP-ES) NEIC-186-B

5-Chloro-2-(2,4-dichlorophenoxy)phenol (186A/3380-34-5/411)

1. UV NEIC-186A-A
2. Total Chlorine NEIC-186A-B

4-Chloro-3,5-dimethylphenol (see "4-Chloro-3,5-xyleneol" 218)

Chloroethylene bithiocyanate (188D/24689-89-2/423)

Chloroform (192/67-66-3/427)

1. GC (FID/TCD-ES) AOAC-975.06 (p. 232)

 α -Chlorohydrin (214A/96-24-2/491)

1. GC (FID-IS) NEIC-214A-A

Chloroneb (198/2675-77-6/446)

1. UV EPA-1 (3)
2. GC (TCD-IS) AMP VII; (p. 658)

1-Chloro-2-nitropropane (201A/2425-66-3/449)

1. GC (TCD-ES) AMP V (p. 306)

Chlorophacinone (211C/3691-35-8/481)

1. UV EPA-1 (1)
2. HPLC (RP-ES) EPA-2 (3)
3. UV EPA-3 (3)
4. HPLC (RP-ES) JAOAC 65, 927 (1982)
5. HPLC (RP-IS) AMP XII (p. 230)
6. HPLC (RP-ES) CAN; CJO.L
7. HPLC (RP-ES; in wax blocks and grain baits ... AMP XVI (p. 122)

p-Chlorophenoxyacetic Acid (204/122-88-3/454)

1. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent")

Chlorophenoxy Herbicides

1. Definition, Structure and Tech. Data.....EPA-1
2. UV(2,4-D and 2,4,5-T)EPA-2
3. HPLC (Acids and esters).....EPA-3
4. GC (Butoxyethyl esters of 2,4-D and 2,4,5-T).....EPA-4
5. GC (2,4-D and 2,4,5-TP in fertilizers)EPA-5
6. GC (as TMS ester)AMP VI (p. 630)
7. HPLC (RP-ES).....AMP XII (p. 140)
8. Ester Volatility.....AOAC-960.10 (p. 153)
9. TLC.....NEIC-CIPh-A
10. TLC.....NEIC-CIPh-B
11. GC (FID-IS; as methyl ester).....CIPAC-IC; p. 2257
12. UV & GC (Use-dilutions).....NEIC-CIPh-C
13. HPLC (RP-IS).....NEIC-CIPh-D
14. Chlorophenol impurities (HPLC).....NEIC-CIPh-E
15. Chlorophenol impurities
(Spectrophotometric).....CIPAC-IC (p. 2250)
16. HPLC (RP-IS; screening).....CAN-PHE.L
17. Enantiomer Resolution (GC and HPLC)...JAOAC 71, 614 (1988)

p-Chlorophenyl Diiodomethyl Sulfone (207AB/-/463)

1. TitrimetricNEIC-207AB-A

5-Chloro-4-phenyl-3H-1,2-dithiol-3-one (207B/2425-05-0/465)

1. UVNEIC-207B-A

2-Chloro-4-phenylphenol (209/92-04-6/471)

1. GC (see "Phenols and Chlorophenols/EPA-6 & EPA-8-Tent.")
2. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")

4 & 6-Chloro-2-phenylphenol (210/607-12-5/472) (211/85-97-2/473)

1. GC (see "Phenols and Chlorophenols/EPA-6 & EPA-8-Tent.")
2. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")

Chloropicrin (214/76-06-2/490)

1. GC (TCD-ES; with methyl bromide).....NEIC-214-A
2. GC (TCD-ES)NEIC-214-B
3. GC (FID-IS; with 1,3-dichloropropenes).....EPA-1 (4)
4. GC (FID-ES/MB; with 1,3-dichloropropene).. CAN-DIR.G/CKA.G

Chloro-1,2-propanediol (see "α-Chlorohydrin" 214A)

Chloropropylate (511B/5836-10-2/492)

1. GC (FID-IS).....AOAC-971.08 (p. 222)
2. IRNEIC-511B-A
3. GC (see "Bromopropylate/NEIC-511A-A")

Chlorothalonil (215B/1897-45-6/497)

1. IR (EC and Flowable).....EPA-1
2. GC (FID-IS).....EPA-2 (2)
3. IR (Tech. and WP).....NEIC-215B-A
4. GC (TCD/FID-IS).....AMP VIII (p. 266)

Chlorotriazine Herbicides

1. Labile Chlorine (Pot. titr'n)EPA-1

Chloroxuron (217B/1982-47-4/505)

1. Dimethylamine Distillation and TLC.....AOAC-977.06 (p. 216)
2. IREPA-1
3. GC (TCD-IS).....EPA-2

4-Chloro-3,5-xyleneol (218/88-04-0/506)

1. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")
2. GC (see "Phenols and Chlorophenols/EPA-7-Tent.")
3. UVNEIC-218-A

Chloroxynil (309A/1891-95-8/699)

Chlorphoxim (219C/14816-20-7/465.5)

1. HPLC (RP-ES).....CIPAC-ID (p. 43)

Chlorpropham (510A/101-21-3/1243)

1. IRNEIC-510A-A
2. Hydrolysis/TitrationCIPAC-1 (p. 224)
3. Total Chlorine (Sodium reduction)AMP VI (p. 53)
4. GC (TCD-ES)AMP VI (p. 612)
5. IRAMP XI (p. 280)
6. HPLC (see "Quintex")
7. GC (FID-IS; with propham)CIPAC-IC (p. 2025)
8. GC (FID-IS/MB).....CAN; CLC.G

Chlorpyrifos (219AA/2921-88-2/509)

1. HPLC (RP-IS).....AOAC-981.03* (p. 199)
2. GC (FID-IS).....JAOAC 56, 1093 (1973)
3. IRJAOAC 50, 861 (1967)
4. IREPA-1 (2)
5. UVEPA-2 (2)
6. GC (TCD-IS).....EPA-3 (2)
7. HPLC (RP-ES).....EPA-4 (2)
8. IRNEIC-219AA-A
9. HPLC (RP-ES).....NEIC-219AA-B
10. GC (FID-IS).....NEIC-219AA-C
11. HPLC (NP-IS; encapsulated).....AMP XII (p. 45)
12. GC (FID-ES/MB).....CAN-CLD.G
13. HPLC (RP-ES).....CAN-CLD.L
14. HPLC (RP-IS; with Diazinon).....JAOAC 71, 321 (1988)

Chlorpyrifos Methyl (179AA/5598-13-0/510)

1. GC (FID-IS).....NEIC-179AA-A

Chlorsulfuron (654/64902-72-3/-)

1. HPLC (RP-IS).....EPA-1 (4)
2. HPLC (RP-IS).....AMP XVI (p. 55)

Chlorthiamid (326B/1918-13-4/-)

1. Qualitative CIPAC 1A (p. 1160)
2. Titrimetric CIPAC 1A (p. 1164)

Chlortoluron (216D/15545-48-9/500)

1. Distillation/TitrationAOAC-977.06 (p. 216)
2. HPLC (NP-ES)AMP XII (p. 162)

Cholecalciferol

1. HPLC (RP-ES).....JOAC 70, 1058 (1987)

Chromated Copper Arsenate

1. Total Chromium.....AWPA; A2-71-5
2. Total Arsenic.....AWPA; A2-71-2
3. Total Copper.....AWPA; A2-71-6

Chromated Zinc Chloride

1. Total Zinc.....AWPA; A2-71-12
2. Total Chromium.....AWPA; A2-71-5
3. Total Chloride.....AWPA; A2-71-4

Chromium (220B/ - / -)

1. Colorimetric.....NEIC-220B-A

Cidial (see "Phenthoate" 427B)

Ciodrin (see "Crotoxyphos" 378)

CIPC (see "Chlorpropham" 510A)

Cisanalide (380A/34484-77-0/517)

Classic (see "Chlorimuron Ethyl" 193B)

Cloethocarb (73A/51487-69-5/-)

Clonitralid (314/1420-04-8/707)

1. Colorimetric.....NEIC-314-A

Copper (227/7440-50-8/526) and Copper Compounds

1. Electrolytic.....AOAC-922.05A (p. 149)
2. Titrimetric.....AOAC-922.05B (p. 149)
3. EDTA Titration.....NEIC-227-A
4. Colorimetric & AA (Water soluble from
fungicides).....AOAC-981.01 (p. 156)
5. Colorimetric.....NEIC-227-B
6. Ion-Chromatography.....EPA-1 (4)

Copper Acetoarsenite (see "Paris Green" 229A)

Copper Carbonate (235/12069-69-1/535)

1. Copper (Electrolytic).....AOAC-920.24A (p. 155)
- 2.. Copper (Titrimetric).....AOAC-920.24B (p. 155)

Copperized Chromated Zinc Arsenate

1. Total Copper.....AWPA; A2-71-6
2. Total Chromium.....AWPA; A2-71-5
3. Total Zinc.....AWPA; A2-71-12

Copperized Chromated Zinc Arsenate (cont.)

1. Total Arsenic.....AWPA; A2-71-2

Copper Fungicides

1. Water Insoluble
(Spectrophotometric and AA).....AOAC-981.01 (p. 156)

Copper Naphthenate (245/1338-02-9/550)

1. Electrolytic.....AOAC-964.03A (p. 155)
2. Titrimetric.....AOAC-964.03B (p. 155)

Copper-8-quinolinolate (253/10380-28-6/560)

Co-Ral (see "Coumaphos" 335)

Cotoran (see "Fluometuron" 460A)

Coumachlor (4A/81-82-3/8)

1. UV AMP III (p. 188)

Coumafuryl (5/117-52-2/9)

1. UVEPA-1
2. UVEPA-2
3. UVNEIC-5-A

Coumaphos (335/56-72-4/814)

1. IREPA-1
2. HPLC (RP-ES).....EPA-2
3. GC (FID-IS).....EPA-3
4. GC (ECD-ES)AMP VI (p. 332)
5. UV (as Co-Ral)..... AMP II (p. 86)

Coumatetryl (496A/5836-29-3/1213)

Counter (see "Terbufos" 131A)

Creosote (260/ - /569)

m-Cresol (261A/108-39-4/571)

Crotoxyphos (378/7700-17-6/902)

1. GC (FID-IS).....EPA-1 (1)
2. GC (FID-ES).....AMP VI (p. 325)
3. IR AMP V (p. 246)
4. IR (with dichlorvos).....NEIC-378-A
5. GC (FPD-ES, with dichlorvos).....NEIC-378-B

Cruformate (263A/299-86-5/575)

1. IREPA-1
2. GC (TCD-IS).....EPA-2

Cryolite (264/15096-52-3/576)

Cupric Oxide (265/1317-38-0/580)

Cyanazine (188C/21725-46-2/422)

1. IREPA-1
2. GC (FID-IS)..... NEIC-188C-A
3. Labile Chlorine (see "Chlorotriazine Herbicides/EPA-1")
4. HPLC (NP-ES)AMP X (p. 277)
5. IR (Water dispersables)AMP X (p. 283)
6. HPLC (RPNH₂-IS)..... CIPAC-IC (p. 2040)
7. Reference Std. (Purification and purity).... CIPAC-IC (p. 2335)
8. HPLC (NP-ES)CAN; CUC.L
9. GC (FID-ES; in fertilizers)..... CAN; EPT.G

Cyanide

1. Titrimetric.....AOAC-920.30 (p. 159)

Cyanuric Acid (862) (see "Available Chlorine")

Cyanophos (268A/2636-26-2/591)

Cycloate (432A/1134-23-2/1037)

1. GC (FID-IS).....AOAC-974.05 (p. 221)
2. GC (TCD-ES)EPA-1
3. GC (FID-ES).....EPA-2
4. GC (FID-IS).....EPA-3
5. GC (FID/TCD-ES)..... AMP V (p. 492)
6. GC (FID-ES; in fertilizers)..... CAN; EPT.G

Cycloheximide (270A/66-81-9/601)

Cycloprate (271BBB/54460-46-7/1158)

1. GC (FID-IS).....NEIC-271BBB-A

Cycocel (see "Chlormequat chloride" 191)

Cyfluthrin (266E/68359-37-5/-)

1. HPLC (NP-IS).....JAOAC 73, 595 (1990)

Cygon (see "Dimethoate" 358)

Cyhalothrin (271F/68085-85-8/-)

1. HPLC (RP-IS).....AMP XIII (p. 11/15)
2. GC (ECD-IS; cattle dips).....AMP XIII (p. 18)
3. HPLC (RP-IS; cattle dips).....AMP XIII (p. 21)

Cyhexatin (884A/13121-70-5/608)

1. HPLC (RP-IS).....AOAC-988.02* (p. 225)
2. Nonaqueous Titration..... AMP VII (p. 419)

Cymoxanil (271K/57966-95-7/-)

Cyolane (see "Phosfolan" 268B)

Cypendazole (560/28559-00-4/1370)

1. UVJAOAC 58, 971 (1975)

Cypermethrin (271DD/66841-24-5/-)

1. HPLC (RP-IS).....AMP XIII (p. 37)
2. GC (FID-IS).....AMP XIII (p. 41)
3. GC (FID-IS, CAP).....AOAC-985.03 (p. 166)
4. GC (FID-IS).....AOAC-986.02* (p. 166)
5. GC (FID-IS).....EPA-1 (4)
6. Identification (GC/HPLC/NMR/MS/TR).....CIPAC-ID (p. 180)
7. GC (FID-ES).....CAN; CYR.G

Cyprazine (271D/22936-86-3/611)

1. Labile Chlorine (see "Chlorotriazine Herbicides/EPA-1")
2. GC (FID-ES)..... NEIC-271D-A
3. Non-aqueous Titration.....NEIC-271D-B

Cyprazole (271L/42089-03-2/612)

Cyprex (see "Dodine" 419)

Cypromid (272/2759-71-9/613)

Cyromazine (167B/66215-27-8/-)

- 1. GC (FID-IS; in Trigard®)EPA-1 (4)
- 2. GC (FID-IS; in Armor®).....EPA-2 (4)
- 3. GC (FID-ES; in Armor® Premix).....EPA-3 (4)

Cythioate (272B/115-93-5/614)

Cytrolane (see "Mephosfolan" 268H)

2,4-D (315/94-75-7/708)

1. HPLC (RP-IS; acids, esters, & amine salts).....AOAC-978.05* (p. 184)
2. HPLC (RP-IS; with picloram).....AOAC-976.03 (p. 196)
3. UV (with 2,4,5-T) (see "Chlorophenoxy Herbicides/EPA-2")
4. HPLC (see "Chlorophenoxy Herbicides/EPA-3")
5. GC (Butoxyethanol ester) (see "Chlorophenoxy/
Herbicides EPA-4")
6. GC (in fertilizers, with 2,4,5-T) (see "Chlorophenoxy
Herbicides/EPA-5")
7. GC (FID-ES; as TMS ester).....AMP VI (p. 630)
8. TLC.....NEIC-CIPh-A/B
9. IR.....CIPAC-1; p. 730
10. HPLC (Impurities).....JAOAC 66, 804 (1983)
11. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2257)
12. Reference Std. (Purification and purity.....CIPAC-IC (p. 2307)
13. HPLC (RP-IS; with dicamba and mecoprop).....
.....AOAC-984.07* (p. 188)
14. HPLC (RP-ES; with dicamba and mecoprop in
fertilizers).....CAN; DGM.L

Daconil 2727 (see "Chlorothalonil" 215B)

Dacthal (see "DCPA" 382)

Dalapon (273/75-99-0/615) and Sodium Salt (273A/127-20-8/618)

1. Titrimetric (Na Salt).....AOAC-962.06 (p. 185)
2. HPLC (RP-ES).....AOAC-984.06* (p. 185)
3. IR.....EPA-1
4. Colorimetric.....CIPAC-1 (p. 274/276)
5. GC (FID-ES; as methyl ester).....NEIC-273-A

Daminozide (808/1596-84-5/619)

1. Aqueous Base Titration.....AMP V (p. 501)
2. Non-aqueous Base Titration.....NEIC-808-A
3. Redox Titration.....NEIC-808-B

Danitol (273H/39515-41-8/-)

1. GC (FID-IS).....AMP XIII (p. 70)

Dasanit (see "Fensulfothion" 343)

Dazomet (840/533-74-4/1952)

1. Hydrolysis/TitrationAMP III (p. 121)
2. IRNEIC-840-A
3. Hydrolysis/TitrationCIPAC-IC (p. 2074)

2,4-DB (316/94-82-6/765)

1. TitrimetricAMP V (p. 372)
2. GC (FID-ES; as TMS ester)AMP VI (p. 630)
3. HPLC (RP-IS)NEIC-316-A
4. GC (FID-IS; as methyl ester)CIPAC-IC (p. 2257)
5. Reference Std. (Purification and purity)CIPAC-IC (p. 2321)

DBCP (see "1,2-Dibromo-3-chloropropane" 287)

DCPA (382/1861-32-1/911)

1. GC (FID-ES; with HCB)AOAC-970.05* (p. 186)
2. IRAOAC-970.06* (p. 186)

DDD (see "TDE" 307)

D-D Mixture (324/78-87-5/790)

1. IR (with allyl alcohol)NEIC-324-A
2. GC (TCD-ES)NEIC-324-B
3. GC (with chloropicrin) [see "Chloropicrin/EPA-1(4)"]

DDT (308/50-29-3/694)

1. Total ChlorineAOAC-947.02 (p. 186)
2. IR (Dusts and granules)AOAC-960.13 (p. 186)
3. IR (Emulsifiable concentrates)EPA-1
4. Hydrolyzable ChlorineJAOAC **29**, 188 (1946)
5. IRNEIC-308-A
6. GC (FID-IS)JAOAC **73**, 744 (1990)

DDVP (see "Dichlorvos" 328)

Deet (346/134-62-3/837)

1. IREPA-1
2. GC (TCD-IS)EPA-2
3. GC (FID-IS)EPA-3
4. HPLC (NP-ES)EPA-4 (2)
5. GC (FID-IS; with MGK synergists)NEIC-346-A
6. GC (FID-ES)CAN; DEE.G

DEF (864/78-48-8/1991)

1. IRAMP IV (p. 90)

Dehydroabietylamine (276/1446-61-3/624)

1. Colorimetric.....NEIC-276-A

Delachlor (278AA/24353-58-0/631)

1. GC (TCD-IS).....NEIC-278AA-A

Delnav (see "Dioxathion" 393)

Delphene (see "Deet" 346)

Deltamethrin (463B/52918-63-5/ -)

1. HPLC (NP-ES)AMP XIII (p. 55)
2. HPLC (NP-ES)CIPAC-ID (p. 59)
3. Characterization (TLC/HPLC/IR/NMR/MS)...CIPAC-ID (p. 57)
4. HPLC (NP-ES)CAN; DBR.L
5. HPLC (NP-ES)JAOAC 73, 751 (1990)

Demeton (279/8065-48-3/632)

1. GC (TCD-IS).....AMP VI (p. 483)
2. Hydrolysis/TitrationAMP II (p. 453)
3. IRNEIC-279-A

Demeton-S-methyl (456/8022-00-2/1087)

Demosan (see "Chloroneb" 198)

2,4-DEP (897/94-84-8/2105)

1. TitrimetricAMP IV (p. 127)

Desmedipham (447AAA/13684-56-5/633)

1. HPLC (NP-IS).....AMP X (p. 297)
2. Total NitrogenAMP X (p. 295)
3. TLC.....NEIC-447AAA-A
4. Hydrolysis/Distillation.....NEIC-447AAA-B

Desmetryne (509B/1014-69-3/1240)

1. GC (FID-IS).....CIPAC-1B (p. 1765)

Dessin (see "Dinobuton" 128F)

Destun (see "Perfluidone" 539C)

Devrinol (see "Napropamide" 590A)

Dexon (see "Fenaminosulf" 359B)

Dialifor (280A/10311-84-9/636)

1. UV NEIC-280A-A
2. HPLC (RP-IS) NEIC-280A-B

Diallate (299/2303-16-4/682)

1. GC (TCD-IS) NEIC-299-A

Diamidifos (654B/1754-58-1/650)

Diazinon (342/333-41-5/824)

1. GC (FID-IS) AOAC-971.08 (p. 222)
2. GC (FID-IS; Encapsulated) AOAC-982.06 (p. 200)
3. GC (TCD-ES) EPA-1
4. HPLC (RP-ES) EPA-2
5. IR EPA-3
6. GC (FID-IS) EPA-4
7. TLC JAOAC 53, 514 (1970)
8. Potentiometric Titration NEIC-342-A
9. GC (FID-IS) NEIC-342-B
10. GC (FID-IS, with PBO) NEIC-342-C
11. GC (FID-ES/MB) CAN; DFN.G
12. HPLC (NP-ES) CAN; DFN.L
13. HPLC (RP-IS; with chlorpyrifos) JAOAC 71, 321 (1988)

Dibam (see "Sodium Dimethyldithiocarbamate" 762)

Dibrom (see "Naled" 586)

1,2-Dibromo-3-chloropropane (287/96-12-8/656)

1. IR EPA-1
2. GC (TCD-ES) EPA-2

2,2-Dibromo-3-nitrilopropionamide (287AA/10222-81-2/659)

1. Titrimetric NEIC-287AA-A

Dibutalin (see "Butralin" 125E)

Dibutyl Phthalate (292/84-74-2/668)

Dibutyl Succinate (293/141-03-7/669)

1. Hydrolysis/Titration EPA-1

Dicamba (295/1918-00-9/671)

1. IR AOAC-969.07 (p. 187)
2. IR (with MCPA or 2,4-D) AOAC-971.07 (p. 187)
3. HPLC (HPLC-RP; with 2,4-D and
mecoprop) AOAC-984.07* (p. 188)
4. GC (as TMS ester) AMP VI (p. 630)
5. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent")
6. GC (as methyl ester) NEIC-CIPh-A
7. GC (Use-dilutions, as methyl ester) NEIC-295-A
8. HPLC (RP-ES; with 2,4-D and mecoprop in
fertilizers) CAN; DGM.L

Dicapthon (296/2463-84-5/677)

Dichlobenil (297/1194-65-6/678)

1. GC (FID-IS) AOAC-979.03 (p. 188)
2. IR EPA-1
3. GC (TCD-ES) NEIC-297-A
4. GC (FID-IS) AMP X (p. 313)
5. GC (FID-IS) CIPAC-1B (p. 1769)

Dichlofenthion (321/97-17-6/679)

Dichlofluanid (297A/1085-98-9/688)

1. HPLC (RP-ES) CIPAC-IC (p. 2083)
2. Hydrolyzable Chlorine CIPAC-1B (p. 1775)

Dichlone (298/117-80-6/680)

1. IR EPA-1

Dichloran (311/99-30-9/704)

1. IR EPA-1
2. IR NEIC-311-A/B
3. GC (FID-IS) NEIC-311-C

Dichlorflurenol, methyl ester (557B/2536-31-4/1346)

1. TLC/UV.....AMP X (p. 527)
2. GC & HPLC.....JAOAC 60, 728 (1977)
3. UV.....EPA-1 (3)

Dichlormate (298A/1966-58-1/681)

o-Dichlorobenzene (301/95-50-1/684)

p-Dichlorobenzene (632/106-46-7/684.5)

1. IR.....EPA-1
2. GC (TCD-IS).....EPA-2

Dichloroisocyanuric Acid (327/2782-57-2/795) (see "Available Chlorine")

Dichlorophene (563/97-23-4/1376)

1. GC (TMS Der.) (see "Phenols and Chlorophenols/EPA-6-Tent.")
2. UV.....AOAC-972.48 (p. 529)
3. IR.....NEIC-563-A
4. GC (HCD-ES; as methyl ester).....NEIC-563-B
5. HPLC (RP-ES).....CAN; DIC.L

3,6-Dichloropicolinic Acid (323H/1702-17-6/791.05)

1,3-Dichloropropene (324A/542-75-6/790.5)

1. GC (FID-ES).....CAN; DIR.G
2. GC (FID-ES/MB; with chloropicrin).....CAN; DIR.G/CKA.G

Dichlorprop (320/120-36-5/774)

1. IR.....CIPAC-1 (p. 730)
2. Titration.....CIPAC-1A (p. 1211)
3. GC Characterization.....CIPAC-1A (p. 1211)
4. HPLC (RP-IS).....CIPAC-IC (p. 2088)
5. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2257)
6. Reference Std. (Purification and purity).....CIPAC-IC (p. 2323)

Dichlorvos (328/62-73-7/797)

1. IR (Baits and EC).....AOAC-964.04 (p. 199)
2. IR (Sprays).....AOAC-966.07 (p. 200)
3. GC (FID-ES; hexane/CH₃CN partitioning).....AMP VI (p. 529)
4. GC (FID-ES).....NEIC-328-A
5. GC (FID/FPD-ES; with crotoxyphos).....NEIC-328-B

Dichlorvos (328/62-73-7/797) (cont.)

6. GC (FPD-ES)..... NEIC-328-C
7. GC (Chloral content) CIPAC-1A (p. 1216)
8. Titrimetric..... CIPAC-1A (p. 1221)

Diclofop-methyl (319A/51338-27-3/797.5)

1. GC (FID-IS).....CIPAC-IC (p. 2098)
2. GC (FID-ES)..... NEIC-319A-A
3. GC (FID-ES/MB).....CAN; DIB.G

Dicofol (93/115-32-2/213)

1. Hydrolyzable Chlorine AOAC-976.02 (p. 189)
2. HPLC (RP-ES).....AOAC-986.06* (p. 190)
3. IR CIPAC-1 (p. 730)
4. HPLC (RP-ES; with carbaryl, folpet, and malathion) NEIC-93-A
5. IRNEIC-93-B
6. HPLC (RP-ES)JAQAC 63, 1296 (1980)
7. HPLC (with acephate and triforine) [see Acephate/EPA-1 (4)]

Dicrotophos (376/141-66-2/900)

1. IREPA-1 (3)
2. IRAMP V (p. 215)
3. GC (FID-ES).....AMP VI (p. 290)
4. IRNEIC-376-A

Dicryl (329/2164-09-2/798)

Dieldrin (333/60-57-1/806)

1. Total Chlorine AOAC-961.04 (p. 175)
2. IR (HEOD)..... AOAC-961.05 (p. 175)
3. GC (FID-ES)..... AMP VI (p. 271)

Dienochlor (see "Pentac" 274)

Diethatyl-ethyl (179D/38727-55-8/808.5)

1. HPLC (RP-IS).....NEIC-179D-A

Difenacoum (-/56073-07-5/-)

1. HPLC (RP-ES).....AMP XVI (p. 153)

Difenzoquat Methyl Sulfate (363A/43222-48-6/838)

1. UV AMP XI (p. 292)
2. HPLC (RP-IS)..... NEIC-363A-A
3. HPLC (RP-ES)..... JAOAC **63**, 647 (1980)

Diflubenzuron (346A/35367-38-5/839)

1. HPLC (RP-IS)..... AOAC-983.07 (p. 190)
2. HPLC (NP-IS)..... AMP X (p. 59)
3. UV AMP X (p. 62)
4. HPLC (NP-IS)..... NEIC-346A-A
5. HPLC (RP-ES)..... NEIC-346A-B

Difolatan (see "Captafol" 828)

Diiodomethyl-p-tolyl sulfone (353B/20018-89-1/853)

1. Titrimetric NEIC-353B-A

Dilan (92A/117-26-0/212)

Dimefox (843/115-26-4/1959)

1. Differential Hydrolysis..... CIPAC-1 (p. 330)

Dimetan

1. Hydrolysis/Distillation..... AMP II (p. 166)

Dimethoate (358/68-51-5/863)

1. GC (TCD-IS)..... EPA-1 (1)
2. GC (FID-IS)..... EPA-2 (1)
3. Hydrolysis/Distillation..... AMP II (p. 172)
4. Gravimetric AMP II (p. 174)
5. GC (FID-IS)..... AMP VI (p. 357)
6. Byproducts (TLC/GC) CIPAC-1A (p. 1232)
7. GC (FID or TSD-ES/CAP)..... CAN; DME.G

Dimethrin (359/70-38-2/864)

Dimethyl Phthalate (380/131-11-3/905)

1. GC (FID-IS; Mosquito clothwipes)..... EPA-1 (3)

Dimetilan (496B/644-64-4/1214)

Dimilin (see "Diflubenzuron" 346A)

Dimite (see "Chlorfenethol" 310)

Dinitramine (335C/29091-05-2/917)

1. GC (FID-IS).....EPA-1 (3)
2. GC (FID or TCD-IS).....AMP VIII (p. 362)

Dinitro-o-sec-Butyl Phenol (see "Dinoseb" 392DD)

Dinobuton (128F/973-21-7/293)

1. Titrimetric.....AMP VII (p. 277)
2. Colorimetric.....AMP VIII (p. 278)
3. Non-aqueous Titration.....NEIC-128F-A

Dinocap (391D/39300-45-3/927)

1. Total Nitrogen EPA-1
2. IR EPA-2
3. GC (FID-IS).....AMP VI (p. 568)
4. Colorimetric.....JAOAC 57, 653 (1974)
5. HPLC (RP-ES).....NEIC-391D-A
6. Polarography.....NEIC-391D-B

Dinoseb (392DD/88-85-7/932)

1. Stannous Chloride Reduction (see "Nitrophenols/EPA-1")
2. Total Nitrogen (see "Nitrophenols/EPA-2")
3. IR EPA-1
4. GC (TCD-ES) EPA-2
5. UV CIPAC-1 (p. 338)
6. HPLC (RP-ES).....NEIC-392DD-A
7. UV (with Naptalam).....NEIC-392DD-C
8. Redox Titration.....AMP V (p. 387)
9. HPLC (RP-ES).....CAN; DOG.L

Dinoterb (392F/1420-07-1/291)

1. GC (TCD or FID-IS; as methyl ester).....CIPAC-1B; p. 1797

Dioxacarb (393A/6988-21-2/940)

Dioxathion (393/78-34-2/941)

1. IRNEIC-393-A
2. GC (FID-ES; in formulations and dips)...JAOAC 53, 566 (1970)
3. HPLC (RP-IS) NEIC-393-B

Dioxathion (393/78-34-2/941) (cont.)

4. IR NEIC-393-C
5. GC (NPD-IS; in cattle dips).....JAOAC 63, 33 (1980)
6. IR (Cattle dips).....JAOAC 65, 930 (1982)

Dioxin (393AB)

1. GC/MS (in 2,4-D and 2,4,5-T)EPA-1 (3)

Diphacinone (394/82-66-6/942)

1. UV EPA-1
2. HPLC (RP-ES).....EPA-2 (2)
3. HPLC (RP-ES).....EPA-3 (3)
4. HPLC (RP-ES).....JAOAC 65, 927 (1982)
5. UV NEIC-394-A
6. UV (0.1%)..... NEIC-394-B
7. HPLC (RP-ES)..... NEIC-394-C
8. HPLC (RP-ES; in cereal baits).....AMP XVI (p. 130)

Diphenamid (395/957-51-7/944)

1. IREPA-1 (3)
2. GC (FID-IS).....EPA-2 (3)
3. IRAMP V (p. 376)
4. GC (FID-IS).....AMP V (p. 376)

Diphenylacetonitrile (396/86-29-3/945)

1. IRNEIC-396-A

Diphenylamine (398/122-39-4/946)

1. GC (TCD-ES)EPA-1 (2)
2. GC (FID-IS/MB)..... CAN; DPF.G

Dipropetryn (456AA/4147-51-7/952)

Dipterex (see "Trichlorofon" 385)

Diquat Dibromide (402/85-00-7/958)

1. UV AOAC-969.08 (p. 225)
2. HPLC (RP-IS).....EPA-1 (3)
3. HPLC (RP-IS).....NEIC-402-A

Disodium N-(2-Hydroxyethyl)iminodiacetate (404/135-37-5/962)

1. Potentiometric Titration.....NEIC-404-A

Disulfoton (341/298-04-4/823)

1. GC (FID-IS).....AOAC-980.10* (p. 201)
2. IREPA-1
3. GC (FID-IS).....EPA-2
4. GC (FID-IS).....EPA-3 (3)
5. Hydrolysis/TitrationAMP II (p. 189)
6. IRAMP II (p. 190)
7. IRJAOAC 47, 257 (1974)
8. GC (TCD-ES)NEIC-341-A
9. GC (FID-IS; with fensulfothion) (see "Mixed pesticides EPA-3")
10. HPLC (NP-ES)CAN; DSN.L

Di-Syston (see "Disulfoton" 341)

Dithane M-45 (913A/8018-01-7/2134)

1. Titrimetric CIPAC-1A (p 1289)

Dithianon (349B/3347-22-6/843)

1. IRJAOAC 52, 659 (1969)
2. ColorimetricAMP X (p. 183)
3. ColorimetricNEIC-349B-A
4. ColorimetricCIPAC-IC (p. 2106)

Dithiocarbamates

1. Carbon Disulfide Evolution.....AOAC-965.15 (p. 217)
2. Qualitative Test.....JAOAC 55, 939 (1972)
3. Qualitative Test.....CIPAC-ID (p. 179)
3. Degradation Product Analyses AMP XI (p. 197)

Diuron (410/330-54-1/975)

1. Hydrolysis/Distillation.....EPA-1
2. HPLC (RP-ES).....EPA-2
3. UVEPA-3
4. IREPA-4
5. IR CIPAC-1; p. 731
6. HPLC (Use-dilutions)NEIC-410-A
7. HPLC (NP-IS).....AMP XII (p. 162)
8. HPLC (RP-IS) AMP XIII (p. 227)
9. Tetrachloroazobenzene content (GC)JAOAC 73, 749 (1990)

DNBP (see "Dinoseb" 392DD)

Dodemorph (268C/31717-87-0/596)

Dodine (419/2439-10-3/1000)

1. Non-aqueous Titration..... AOAC-970.07 (p. 225)

Dowicil 100 (181/4080-31-3/397)

1. Titrimetric.....NEIC-181-A
2. TLC.....JAOAC 63, 864 (1980)

Dowicil S-13 (see "2,3,5,6-Tetrachloro-4-(methylsulfonyl)pyridine" 830A)

2,4-DP (see "Dichloroprop" 324)

Drazoxolon (207C/5707-69-7/466)

1. Colorimetric.....AMP VII (p. 667)

Drepamon (see "Tiocarbenil" 82AA)

DSMA (405/144-21-8/963)

1. Titrimetric (see "Arsenic Compounds/EPA-3-Tent. & EPA-4")

Duraset (860/85-72-3/1985)

1. Titrimetric.....AMP V (p. 407)

Dursban (see "Chlorpyrifos" 219AA)

Du-Ter (see "Triphenyltin Hydroxide" 896E)

Dyfonate (see "Fonofos" 454B)

Dylox (see "Trichlorofon" 385)

Dymid (see "Diphenamid" 395)

Dyrene (see "Anilazine" 302)

Edifenphos (434B/17109-49-8/1041)

1. GC (FID-IS).....EPA-1 (4)
2. GC (TCD-IS).....NEIC-434B-A
3. HPLC (RP-ES).....JAOAC 68, 138 (1985)

EDTA (438/60-00-4/1048)

1. Titrimetric.....NEIC-438-A
2. Colorimetric..... NEIC-438-B
3. Qualitative Test..... NEIC-438-C

Endosulfan (420/115-29-7/1001)

1. GC (FID or TCD-IS)..... AOAC-983.08 (p. 191)
2. Hydrolysis/Titration..... EPA-1
3. IR..... EPA-2
4. GC (TCD-IS)..... EPA-3
5. GC (FID-IS)..... EPA-4
6. GC (FID-IS).....EPA-5 (2)
7. GC (TCD-ES) AMP VI (p. 511)
8. Chromatography/IR..... CIPAC-1 (p. 361)
9. GC (FID-IS).....CIPAC-IC (p. 2110)
10. GC (FID-ES/MB).....CAN; ENA.G

Endothall (421/129-67-9/1002)

1. Oxidation/Titration EPA-1
2. GC (FID-ES)..... EPA-2
3. GC (TCD or FID-ES).....AMP X (p. 330)
4. GC (TCD-ES)NEIC-421-A
5. Titrimetric..... NEIC-421-B

Endrin (423/72-20-8/1009)

1. IR AOAC-961.05 (p. 175)
2. Total Chlorine AOAC-961.04 (p. 175)
3. IRNEIC-423-A
4. IR (with methyl parathion)CIPAC-1B (p. 1819)

Enide (see "Diphenamid" 395)

Entex (see "Fenthion" 456F)

Epichlorohydrin (424/106-89-8/1010)

1. GC (FID-ES).....EPA-1 (3)

EPN (454/2104-64-5/1808)

1. Potentiometric Titration.....NEIC-454-A
2. GC (FID-IS)..... NEIC-454-B

Eptam (see "EPTC" 435)

EPTC (435/759-94-4/1042)

1. GC (FID-IS)..... AOAC-974.05 (p. 221)
2. GC (TCD-IS)..... EPA-1
3. HPLC (NP-ES) EPA-2
4. GC (FID-IS)..... EPA-3
5. GC (FID-IS)..... EPA-4
6. GC (TCD-IS)..... EPA-5
7. HPLC (RP-ES).....EPA-6 (2)
8. IRNEIC-435-A

Erbon (425/136-25-4/1012)

1. GC (FID-IS).....JAOAC 56, 1087 (1973)
2. Hydrolysis/TitrationNEIC-425-A

Ethafluralin (453B/55283-68-6/1015)

1. UVAMP X (p. 343)
2. GC (FID-IS).....AMP X (p. 345)

Ethanol (430/64-17-5/17)

Ethephon (426A/16672-87-0/1018)

1. Titrimetric..... NEIC-426A-A
2. GC (FID-ES; as methyl ester).....NEIC-426A-B

Ethidimuron (902C/30043-49-3/-)

Ethiolate (434AA/2941-55-1/1019)

Ethion (427/563-12-2/1020)

1. HPLC (RP-IS)..... AOAC-979.04 (p. 201)
2. IR EPA-1
3. GC (TCD-ES) EPA-2
4. HPLC (RP-ES).....CAN; ETIL
5. HPLC (NP-ES; in oil base) CAN; ETIL (2)

Ethirimol (128H/23947-60-6/297)

1. GC (FID-IS; as TMS derivative) AMP VIII (p. 288)
2. UV AMP VIII (p. 287)
3. TLC AMP VIII (p. 287)
4. GC (FID-IS; as TMS derivative) CIPAC-ID (p. 72)
5. Identification (GC/TLC/IR/NMR) CIPAC-ID (p. 182)
6. Reference Std. (Purification and purity) CIPAC-ID (p. 202)

Ethofumesate (427BB/26225-79-6/1020.5)

1. GC (FID-IS) AMP X (p. 355)
2. GC (FID-IS) EPA-1 (2)

Ethoprop (434C/13194-48-4/1021)

1. IR EPA-1
2. GC (TCD-IS) EPA-2
3. GC (FID-IS) EPA-3
4. GC (FID-IS) NEIC-434C-A
5. GC (TCD-IS) AMP XVI (p. 7)

Ethoxyquin (427D/91-53-2/1024)

1. Non-aqueous Titration NEIC-427D-A
2. Fluorescence NEIC-427D-B

Ethrel (see "Ethephon" 426A)

Ethylene Dibromide (439/106-93-4/1056)

1. GC (TCD or FID-ES) AOAC-966.05* (p. 164)

Ethylene Dichloride (440/107-06-2/1057)

1. GC (TCD-ES) AOAC-966.05* (p. 164)
2. GC (FID) NEIC-FUM-A

Ethylene Glycol (441/107-21-1/1058)

1. GC (TCD-ES) NEIC-441-A

Ethylene Oxide (443/75-21-8/1061)

Ethylene Thiourea (443AA/96-45-7/-)

1. GC (FID & TCD) EPA-1 (1)
2. GC & TLC JAOAC 55, 923 (1972)
3. UV NEIC-443AA-A

Ethylene Thiourea (443AA/96-45-7/-) (cont.)

4. TLC..... NEIC-443AA-B
5. HPLC (RP-IS).....CIPAC-IC (p. 2298)

Ethyl Guthion (see "Azinphos ethyl" 344)

2-Ethyl-1,3-hexanediol (445/94-96-2/1064)

1. Acetylation..... EPA-1
2. GC (TCD-IS)..... EPA-2

Etrinfos (365AAA/38260-54-7/1091)

1. GC (FID-IS)..... AMP XI (p. 128)

ETU (see "Ethylene Thiourea" 443AA)

Falone (see "2,4-DEP" 897)

Famphur (456D/52-85-7/1093)

1. Colorimetric.....NEIC-456D-A
2. IR (Encapsulated).....JAOAC 61, 1526 (1978)
3. HPLC (RP-ES).....NEIC-456D-B
4. GC (FID-IS).....NEIC-456D-C

Fenac (882/85-34-7/2050)

Fenamino-sulf (359B/140-56-7/866)

1. Colorimetric.....AMP III (p. 51)

Fenarimol (207AA/60168-88-9/1097)

1. GC (FID-ES).....AMP XIII (p. 175)

Fenazaflor (654A/14255-88-0/1598)

1. UV.....NEIC-654A-A

Fenbucarb (-/3766-81-2/-)

1. TUC/Colorimetric.....CIPAC-ID (p. 87)
2. HPLC (NP-IS).....CIPAC-ID (p. 89)

Fenbutatin Oxide (see "Hexakis" 481DD)

Fenitrothion (373/122-14-5/897)

1. GC (FID-IS).....AOAC-985.07 (p. 202)
2. GC (FID-IS).....AOAC-989.02 (p. 203)
3. Hydrolysis/UV.....AMP VII (p. 461)
4. GC (FID-IS).....NEIC-373-A
5. Titrimetric.....CIPAC-1A (p. 1255)
6. GC (FID-ES).....CAN; FDN.G

Fenoprop (see "Silvex" 2663)

Fenoxycarb (652C/79127-80-3/-)

1. HPLC (RP-IS).....AMP XVI (p. 23)

Fenpropathrin (see "Danitol" 273H)

Fenson (207/80-38-6/462)

1. Hydrolysis/Titration CIPAC-1 (p. 392)
2. IR CIPAC-1 (p. 730)

Fensulfothion (343/115-90-2/825)

1. GC (FID-IS).....AOAC-986.07* (p. 203)
2. HPLC (RP-IS).....AOAC-983.09* (p. 204)
3. GC (FID-IS, with disulfoton) (see "Mixed Pesticides EPA-3")
4. Titrimetric.....AMP VII (p. 256)
5. IRNEIC-343-A
6. HPLC (NP-ES) CAN; FDS.L

Fenthion (456F/55-38-9/1098)

1. GC (FID-ES).....NEIC-456F-A
2. GC (FID-IS; in oil).....NEIC-456F-B
3. IRAMP II (p. 45)
4. GC (FID-ES; in feeds)AMP VI (p. 301)
5. IRNEIC-456F-C
6. Colorimetric.....CIPAC-1B (p. 1831)

Fentin Acetate (896C/900-95-8/2098)

1. Potentiometric Titration.....AOAC-979.02 (p. 156)
2. GC (FID-IS, with maneb).....AOAC-984.04 (p. 157)

Fentin Hydroxide (see "Triphenyltin Hydroxide" 896E)

Fenuron (457/101-42-8/1099)

1. Dimethylamine Distillation.....NEIC-457-A
2. HPLC (see "Quintex")

Fenvalarate (77A/51630-58-1/590)

1. HPLC (RP-IS).....NEIC-77A-A
2. HPLC (RP-ES).....AMP XIII (p. 124)
3. GC (FID-IS).....CIPAC-ID (p. 101)
4. Identification (GC/HPLC/IR/NMR/MS).....CIPAC-ID (p. 180)
5. GC (FID-ES/MB).....CAN; FEW.G
6. HPLC (NP-ES/chiral separation).....AMP XVI (p. 31)

Ferbam (458/14484-64-1/1100)

1. Carbon Disulfide Evol'nAOAC-965.15 (p. 217)
2. UVCIPAC-1 (p. 398)

Ferrous Ammonium Sulfate (459B/10045-89-3/1104)

1. TitrimetricNEIC-459B-A

Ferrous Sulfate (460/7782-63-0/1105)

Ficam (see "Bendiocarb" 360B)

Flamprop-methyl (903E/52756-22-6/-)

Flammability

1. Flame Projection.....EPA-1 (2)
2. Closed Drum.....EPA-2 (2)

Fluazifop-butyl (460C/69806-50-4/-)

1. GC (FID-IS).....AOAC-984.08* (p. 192)
2. GC (FID-ES/MB)CAN; FKA.G

Fluchloralin (460B/33245-39-5/1106)

1. GC (TCD-IS).....EPA-1(4)

Flucythrinate (2AA/70124-77-5/-)

1. GC (FID-IS).....NEIC-2AA-A

Fluometil (462A/4301-50-2/1112)

Fluometuron (460A/2164-17-2/1107)

1. GC (FID-IS; TFA derivative)..... AOAC-977.07 (p. 218)
2. IR EPA-1
3. UVEPA-2 (2)
4. Dimethylamine Distillation.....AMP VII (p. 574)
5. Potentiometric Titration..... NEIC-460A-A
6. HPLC (RP-IS) AMP XIII (p. 241)

Fluor Chrom Arsenate Phenol

1. Total Fluorine.....AWPA-A2-71-8
2. Total Chromium.....AWPA-A2-71-5
3. Total Arsenic.....AWPA-A2-71-2
4. Dinitrophenol Content.....AWPA-A2-71-7
5. Pentachlorophenol Content.....AWPA-A2-71-6

Fluoridamid (889B/47000-92-0/1108)

1. GC (FID-IS).....AMP X (p. 535)
2. Titrimetric.....NEIC-889B-A

Fluoride

1. Titrimetric (Travers)..... AOAC-929.04 (p. 150)
2. Titrimetric (Mod. Travers)..... AOAC-921.04 (p. 151)
3. Distillation/Titration AOAC-933.03 (p. 152)
4. Spec. Ion Electrode (Haz. substances)..... AOAC-973.10 (p. 232)

Fluoroacetamide (461/640-19-7/1109)

Fluoroacetic Acid (462/144-9-0/1110) and Sodium Salt (770/62-74-8/1851)

1. HPLC (RP-ES; as ester).....JAOAC 67, 1058 (1984)
2. HPLC (IC-ES; in livestock collars).....NEIC-462-A

Fluorodifen (462AA/15457-05-3/1111)

1. GC (TCD-ES)NEIC-462AA-A

Fluoromidine (217AA/13577-71-4/504)

Flurecol butyl ester (130B/2314-09-2/302)

1. UV (as acid) AMP XI (p. 321)
2. GC (FID-IS; as butyl ester) AMP XI (p. 322)

Fluridone (130C/59756-60-4/1113.5)

1. HPLC (RP) AMP XIII (p. 249)
2. GC (FID-IS)..... AMP XIII (p. 252)

Fluriprimidol (266D/56425-91-3/-)

Fluvalinate (934/69409-94-5/-)

1. IRNEIC-934-A
2. HPLC (RP-ES)..... NEIC-934-B
3. HPLC (RP-IS)AMP XIII (p. 82)
4. HPLC (RP-IS)CAN; FVL.L
5. HPLC (RP-IS) NEIC-934-C
6. GC (FID-IS/MB)..... NEIC-934-D

Folcidin (see "Cypendazole" 560)

Folex (see "Merphos" 865)

Folpet (464/133-07-3/1114)

1. HPLC (NP-IS)..... AOAC-977.03 (p. 192)
2. IR EPA-1
3. GC (FID-ES)..... AMP VI (p. 546)
4. HPLC (RP-ES; with carbaryl, malathion and
dicofol NEIC-464-A
5. HPLC (NP-IS)..... NEIC-464-B
6. HPLC (RP) JAOAC 66, 789 (1983)
7. HPLC (NP-ES) CAN; FOL.L

Fonofos (454B/944-22-9/1081)

1. IR EPA-1 (3)
2. GC (FID-IS)..... AMP VII (p. 270)

Formaldehyde (465/50-00-0/1115)

1. Oxidation/Titration AOAC-898.01* (p. 226)
2. Cyanide Method (Dilute (Sol'ns))..... AOAC-897.01 (p. 226)
3. Cyanide Method (See Disinfectants)..... AOAC-931.03 (p. 226)

Formetanate (465A/22259-30-9/1116) &
Formetanate Hydrochloride (465B/23422-53-9/1117)

1. Titrimetric AMP VII (p. 281)
2. TLC NEIC-465A-A

Formothion (366C/2540-82-1/884)

1. GC (FPD-IS)..... AOAC-974.03 (p. 204)

Fosamine Ammonium (465G/25954-13-6/1117.5)

1. HPLC (AX-IS)..... NEIC-465G-A
2. HPLC (AX-ES) NEIC-465G-B

Fospirate (465CC/5598-52-7/1118)

1. UV NEIC-465CC-A

Fumaric Acid (465E/110-17-8/1119)

Fumarin (see "Coumafuryl" 5)

Fumigants

1. GC (TCD/FID-ES)..... AOAC-966.05 (p. 164)
2. GC (FID)..... NEIC-FUM-A

Fumite (see "Tecnazene" 831)

Fundal (see "Chlordimeform" 174A)

Funginex (see "Triforine" 890AA)

Furadan (see "Carbofuran" 160A)

Furamethrin

1. GLC (Mosquito Coils).....NEIC-Fur-A

Furethrin (465F/17080-02-3/1121)

Galban (471AC/71626-11-4/-)

Galecron (see "Chlordimeform" 174A)

Gamma BHC (see "BHC, Gamma Isomer" 527)

Gardona (see "Tetrachlorvinphos" 217A)

Genite 923 (322/97-16-5/780)

1. IRNEIC-322-A

Gibberellic Acid (467/77-06-5/1123)

1. Fluorimetric.....AMP V (p. 415)
2. UV JAOAC 60, 859 (1977)
3. TLC (Gibberellins A₄A₇AMP X (p. 548)

Glean (see "Chlorosulfuron" 194AA)

Glutaraldehyde (468/111-30-8/1125)

1. TitrimetricNEIC-468-A
2. GC (FID-IS)..... NEIC-468-B

Glycerol (469/56-81-5/1126)

Glycolic Acid (470/79-14-1/1127)

Glycophene (470A/36734-19-7/782)

1. HPLC (NP-IS)..... AMP XI (p. 250)
2. GC (FID-IS)..... AMP XI (p. 250)
3. GC (TCD-IS)..... NEIC-470A-A
4. GC (FID-IS).....NEIC-470A-B
5. HPLC (RP-IS) CAN; IPO.L

Glyodin (471/556-22-9/1130)

1. TitrimetricAMP III (p. 100)

Glyphosate (661A/1071-83-6/1131)

1. HPLC (AX-ES)AOAC-983.10* (p. 205)
2. HPLC (RP/NH₂-ES) NEIC-661A-A
3. UVNEIC-661A-B
4. HPLC (RP/NH₂-RI)EPA-1 (4)
5. HPLC (AX-ES)CAN; GLP.L
6. HPLC (AX-ES) AMP XVI (p. 72)

Glyphosine (471A/2439-99-8/1133)

Goal (see "Oxyfluorfen" 1888AAA)

Gophacide (91A/4104-14-7/209)

1. HPLC (RP-ES).....NEIC-91A-A

Gossyplure HF (471AAA/53042-79-8/1156)

Griseofulvin (471B/126-07-8/1134)

1. UV AOAC-966.30 (p. 130)

Guthion (see "Azinphos Methyl" 374)

Halazone (326/80-13-7/792)

1. Titrimetric NEIC-326-A

HCB (see "Hexachlorobenzene" 477)

Heptachlor (474/76-44-8/1139)

1. Labile Chlorine AOAC-962.07 (p. 193)
2. GC (FID-IS) AOAC-968.04 (p. 193)
3. IR EPA-1
4. IR NEIC-474-A

Herban (see "Norea" 607)

Hexachlorobenzene (477/118-74-1/1149)

1. GC (FID-ES; in dacthal) AOAC-970.05 (p. 186)

Hexachlorocyclopentadiene (478/77-47-4/1151)

1. UV (in tech. chlordane) AOAC-966.06 (p. 183)

Hexachlorophene (566/70-30-4/1383)

1. UV AOAC-974.28 (p. 363)
2. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")
3. GC (see "Phenols and Chlorophenols/EPA-8-Tent.")
4. HPLC (RP-ES) EPA-1 (3)
5. IR NEIC-566-A
6. GC (ECD-ES; as methyl ester) AMP X (p. 194)

Hexakis (481DD/13356-08-6/1165)

1. Titration CIPAC-ID (p. 79)
2. IR NEIC-481DD-A
3. BHTO impurity (TLC) CIPAC-ID (p. 81)

Hexamethylene Tetramine (482/100-97-0/1169)

1. Distillation/Titration NEIC-482-A

Hexazinone (271AA/51235-04-2/1172)

1. GC (FID-IS) NEIC-271AA-A
2. HPLC (RP-IS) EPA-1 (4)
3. GC (FID-IS) EPA-2 (4)
4. GC (FID-ES) CAN; HXO.G

Hinosan (see "Edifenphos" 434B)

Hormodin (see "Indole-3-butyric Acid" 499)

HPMTS (495A/29803-57-4/1210)

1. Titrimetric NEIC-495A-A

Hydramethylnon (642AB/67485-29-4/1763)

Hydrochloric Acid (486/7647-01-0/1180)

1. Titrimetric NEIC-486-A
2. Titrimetric NEIC-486-B

Hydroprene (456H/41096-46-2/1182)

1. GC (FID-IS; with propetamphos) NEIC-456H-A
2. GC (FID-IS) NEIC-456H-B

2-[(Hydroxymethyl)amino]ethanol (494C/34375-28-5/1204)

3-Hydroxy-5-methylisoxazole (-/10004-44-1/-)

1. GC (FID-IS) AMP X (p. 218)

2-(Hydroxymethyl)-2-nitro-1,2-propanediol (495/126-11-4/1207)

1. Colorimetric NEIC-495-A

Hymexazol (see "3-Hydroxy-5-methylisoxazole")

Hyvar (see "Isocil" 504)

Igran (see "Terbutryn" 125D)

Imidan (see "Phosmet" 543)

Indalone (128/532-34-3/287)

Indole-3-butyric Acid (499/133-32-4/1219)

1. UV EPA-1

Iodine (and Iodine Complexes) (501/7553-56-2/1222)

1. Potentiometric Titration.....NEIC-501-A

Iodobenzanilide (501AB/15310-01-7/1223)

Iodofenphos (309B/18181-70-9/701)

Ioxynil (353A/1689-83-4/852)

1. GC (FID-ES; as methyl ester)..... AMP V (p. 354/428)

IPC (see "Propham" 510)

Iprobenfos (-/26087-47-8/-)

1. GC (FID-IS)..... CIPAC-ID (p. 112)
2. GC (FID-IS)..... CAN; IPR.G

Iprodione (see "Glycophene" 470A)

Irgasan DP 300 (186A/3380-34-5/411)

1. UV NEIC-186 A-A
2. Total Chlorine NEIC-186 A-B
3. HPLC (RP-IS)..... NEIC-186 A-C

Isobenzan (609/297-78-9/1508)

1. IR NEIC-609-A
2. IR NEIC-609-B

Isocil (504/314-42-1/1232)

Isofenphos (447AB/25311-71-1/1391.3)

1. GC (FID-IS)..... AOAC-987.01* (p. 205)

Isolan (511D/119-38-0/1245)

1. Dimethylamine Distillation.....AMP II (p. 258)

Isophorone (506/78-59-1/1235)

Isoprocab (512B/2631-40-5/1250)

1. HPLC (NP-ES)CIPAC-ID (p. 120)
2. 2-Isopropyl phenol content (HPLC).....CIPAC-ID (p. 121)
3. HPLC (NP-ES)CAN; ISO.L

Isopropalin (506A/33820-53-0/1236)

1. Colorimetric.....AMP VIII (p. 371)
2. GC (FID-IS).....AMP VIII (p. 373)

Isopropanol (507/67-63-0/1237)

1. GC (FID-IS).....AOAC-973.69 (p. 498)
2. GC (FID-IS).....AOAC-975.06 (p. 232)
3. GC (FID-ES).....NEIC-507-A

Isopropyl Carbanilate (see "Propham" 510)

Isoprothiolane

1. GC (FID-IS).....AMP X (p. 231)

Isothioate

1. TLC/Total Phosphorus.....AMP X (p. 76)
2. GC (FID-IS).....AMP X (p. 76)

Isoxathion

1. GC (FID-IS).....AMP X (p. 85)

Karathane (see "Dinocap" 391D)

Karbutilate (516A/4849-32-5/1261)

1. IR EPA-1
2. HPLC (RP-IS; with simazine)..... EPA-1 (4)

Kathon (see "2-n-Octyl-4-isothiozolinone" 613C)

Kelthane (see "Dicofol" 93)

Kepone (see "Chlordecone" 275)

Kerb (see "Pronamide" 306A)

Korlan (see "Ronnel" 724)

Krenite (see "Fosamine Ammonium" 456G)

Lamprecide (890/88-30-2/2081)

1. UVEPA-1 (3)

Landrin (893A/2686-99-9/2093)

Lannate (see "Methomyl" 549C)

Lanstan (see "Chloro-2-nitropropane" 201A)

Larvadex (see "Cyromazine" 167B)

Lasso (see "Alachlor" 11)

Lead and Lead Compounds

1. Gravimetric AOAC-922.04 (p. 149)

Lead Arsenate (524/53404-12-9/1277)

1. Total Arsenic..... AOAC-920.17 (p. 154)
2. Total Arsenious Oxide AOAC-920.18 (p. 154)
3. Total Arsenic Oxide..... AOAC-920.19 (p. 154)
4. Total Lead AOAC-920.21 (p. 154)

Lenacil (525A/2164-08-1/1279)

1. TLC..... NEIC-525A-A

Leptophos (525B/21609-90-5/1280)

1. GC (FID-IS).....NEIC-525B-A
2. IR NEIC-525B-B

Lethane 60 (85/301-11-1/1972)

Lethane 384 (84/112-56-1/277)

1. IR NEIC-84-A
2. GC (FID-IS; with malathion).....NEIC-84-B

Lime Sulfur (see "Calcium Polysulfide" 150)

Limonene (526/138-86-3/1281)

Lindane (see "BHC, Gamma Isomer" 527)

Linuron (528/330-55-2/1284)

1. HPLC (NP-ES)

Linuron (528/330-55-2/1284)

1. HPLC (NP-ES) EPA-1
2. IR EPA-2
3. UV EPA-3 (1)
4. Hydrolysis/Distillation..... AMP V (p. 434)
5. IR CIPAC-1 (p. 730)
6. HPLC (RP-ES)..... CAN; LIU.L
7. Tetrachloroazobenzene content (GC) JAQAC 73, 749 (1990)

Lithium Hypochlorite (528A/13840-33-0/1285)

1. Titrimetric NEIC-528A-A

Lorsban (see "Chlorpyrifos" 219AA)

Lovoal (see "Fenazaflor" 654A)

Maintain CF 125 (see "Dichlorflurenol, methyl ester" 557B)

Malathion (535/121-75-5/1299)

1. GC (FID-IS)..... AOAC-979.05 (p. 206)
2. HPLC (RP-ES)..... EPA-1
3. IR EPA-2
4. HPLC (RP-IS)..... EPA-3 (3)
5. GC (FID-IS)..... AMP VI (p. 418)
6. HPLC (with carbaryl and dicofol NEIC-535-A
7. Total Phosphorus (see "Phosphorus Compounds/EPA-1")
8. GC (FID-ES/MB)..... CAN; MAL.G
9. HPLC (RP-ES)..... CAN; MAL.L

Maleic Hydrazide (see "MH" 352)

Maloran (see "Chlorbromuron" 173A)

Maneb (539/12427-38-2/1302)

1. Carbon Disulfide Evolution..... AOAC-965.15 (p. 217)

Matacil (see "Aminocarb" 360)

Mavrik (see "Fluvalinate" 934)

MCPA (557C/94-74-6/1347)

1. HPLC (RP-IS)..... AOAC-980.07 (p. 194)
2. Titrimetric..... AMP V (p. 412)
3. GC (FID-IS; as TMS ester) AMP VI (p. 663/630)
4. IR CIPAC-1 (p. 482)
5. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent.)
6. HPLC (RP-IS)..... CIPAC-IC (p. 2139)
7. GC (FID-IS; as methyl ester)..... CIPAC-IC (p. 2257)
8. GC (FID-IS; with TBA as methyl esters)..... CIPAC-IC (p. 2148)
9. Characterization (IR/GC/TLC)..... CIPAC-IC (p. 2137)
10. Reference Std. (Purification and purity)..... CIPAC-IC (p. 2309)
11. Phenolic impurities (HPLC/Electro
Chemical Detector)..... JAOAC 71, 325 (1988)

MCPA Esters

1. Hydrolysis/Titration..... CIPAC-IC (p. 2144)

MCPB (558/94-81-5/1362)

1. GC (FID-ES; as methyl ester).....AMP VIII (p. 403)
2. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent.")
3. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2257)
4. Characterization (IR/GC/TLC).....CIPAC-IC (p. 2153)
5. Reference Std. (Purification and purity).....CIPAC-IC (p. 2316)

MCPP (see "Mecoprop" 559)

Mecarbam (340/2595-54-2/821)

1. GC (FID-IS).....AMP VIII (p. 136)

Mecoprop (559/7085-19-0/1364)

1. HPLC (RP-IS; with 2,4-D and dicamba)...AOAC-984.07* (p. 188)
2. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent.")
3. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2257)
4. Characterization (IR/GC) CIPAC-IA (p. 1298)
5. Reference Std. (Purification and purity)..... CIPAC-IA (p. 2319)
6. HPLC (RP-IS).....CIPAC-IC (p. 2158)

Mefluidide (333AA/53780-36-2/3106)

1. GC (FID-IS; as methyl ester).....NEIC-333AA-A

Menazon (285A/78-57-9/652)

1. Colorimetric.....AMP VII (p. 320)

Mephosfolan (268H/950-10-7/595)

1. UVAMP VII (p. 233)
2. GC (FID-IS).....AMP VII (p. 236)

Merbac 35 (see "Benzyl Bromoacetate" 82A)

Mercaptobenzothiazole (541/149-30-4/1308) and
Sodium Salt (541C/2492-26-4/1311)

1. UVEPA-1 (1)
2. Potentiometric Titration.....EPA-2 (1)
3. HPLC (RP-ES).....NEIC-541-A
4. HPLC (RP-ES; in coolants) NEIC-541-B

Mercaptophos (see "Fenthion" 456F)

Mercurial Seed Disinfectants

1. Gravimetric (as mercuric sulfide)..... AOAC-930.14 (p. 162)
2. Titrimetric..... AOAC-971.04 (p. 162)
3. Gravimetric (1,3-Propanediamine prec'n)...AOAC-973.11 (p. 163)

Mercury (546/7439-97-6/1316) and Mercury Compounds

1. Titrimetric (Thiocyanate).....NEIC-546-A
2. Titrimetric (Dithizone)..... NEIC-546-B
3. AA (in paints)..... NEIC-546-C

Merphos (865/150-50-5/1992)

1. GC (FID-IS).....EPA-1 (4)
2. IRNEIC-865-A

Mesityl Oxide (547/141-79-7/1321)**Mestranol (547A/72-33-3/1322)**

1. Colorimetric..... NEIC-547A-A

Mesurool (see "Methiocarb" 578B)**Metalaxyl (375AA/57837-19-1/899.5)**

1. GC (FID-IS).....EPA-1 (4)

Metaldehyde (548/108-62-3/1323)

1. Titrimetric..... EPA-1
2. GC (TCD-IS)..... EPA-2
3. IR EPA-3
4. GC (TCD)..... EPA-4

Metamitron (-/41394-05-2/-)

1. HPLC (RP-ES)..... CIPAC-ID (p. 125)

Metam-Sodium (780/6734-80-1/1865)

1. Carbon Disulfide Evolution.....AMP III (p. 180)
2. Colorimetric.....AMP III (p. 180)
3. TLC (Qualitative)CIPAC-1B (p. 1863)

Meta-Systox (see "Demeton-methyl" 456)**Meta-Systox R (see "Oxydemeton-methyl" 455)**

Methabenzthiazuron (81B/18691-97-9/185)

Methalpropalin (548A/ - /1324.5)

Methamidophos (378A/10265-92-6/1325)

1. GC (TCD-ES)AMP VII (p. 341)
2. IR NEIC-378A-A

Methanol (552/67-56-1/1338)

1. GC (FID-ES) AOAC-971.03 (p. 233)
2. GC (FID-IS)..... AOAC-975.06 (p. 232)

Methazole (549AA/20354-26-1/3326)

1. IR AOAC-982.03 (p. 194)
2. IREPA-1 (3)

Methidathion (378B/950-37-8/1327)

1. GC (FID-IS)..... EPA-1
2. GC (FID-IS).....EPA-2 (3)
3. GC (FID-IS).....AMP VIII (p. 147)

Methiocarb (578B/2032-65-7/1436)

1. HPLC (RP-IS).....AOAC-984.10* (p. 218)
2. IR EPA-1
3. HPLC (RP-IS).....JAOAC 62, 5 (1979)
4. GC (TCD-IS; as trifluoroacetyl der.)NEIC-578B-A

Methomyl (549C/16752-77-5/1328)

1. HPLC (NP-IS).....AMP VII (p. 333)
2. HPLC (RP-ES).....EPA-1 (2)
3. HPLC (RP-IS).....NEIC-549C-A
4. IRNEIC-549C-B
5. HPLC (RP-IS).....NEIC-549C-C
6. HPLC (RP-ES).....CAN; MER.L

Methoprene (28AAA/40596-69-8/1329)

1. GC (FID-IS).....EPA-1 (3)
2. GC (FID-IS)..... AMP X (p. 96)
3. GC (FID-IS).....NEIC-28AAA-A
4. GC (FID-ES; on treated grain) NEIC-28AAA-B
5. IR (Encapsulated)JAOAC 63, 879 (1980)
6. GC (FID-IS; with propetamphos).....NEIC-28AAA-C

Methoprotrotryne (509A/841-06-5/1239)

1. Titrimetric..... CIPAC-1A (p. 1302)
2. GC (FID-IS).....CIPAC-1B (p. 1864)

Methoxychlor (550/72-43-5/3133)

1. IR EPA-1
2. GC (FID-IS)..... EPA-2
3. HPLC EPA-3 (2)
4. GC (FID-ES; with captan and malathion)NEIC-550-A
5. IR CIPAC-1 (p. 730)
6. Characterization (GC/MS)JAOAC 63, 1007 (1980)
7. IR NEIC-550-B
8. GC (FID-IS)..... NEIC-550-C
9. Characterization (HPLC).....JAOAC 65, 1457 (1982)
10. GC (FID-ES/MB)..... CAN; MEY.G

Methyl Bromide (555/74-83-9/1341)

1. GC (FID-ES; with chloropicrin)NEIC-555-A

Methylenebis (thiocyanate) (565/6317-18-6/1382)

1. GC (FID-ES).....NEIC-565-A
2. Hydrolysis/Titration NEIC-565-B
3. IR NEIC-565-C
4. HPLC (RP-IS)..... NEIC-565-D
5. HPLC (RP-ES)..... NEIC-565-E

Methylene Chloride (568/75-89-2/1387)

Methyl Isothiocyanate (573/556-61-6/3198)

1. Potentiometric Titration.....AMP X (p. 565)
2. GC (FID-IS).....AMP X (p. 566)

Methyl Nonyl Ketone (5730/112-12-9/1418)

1. GC (FID-IS).....EPA-1 (3)
2. Titrimetric..... NEIC-5730-A
3. HPLC (RP-ES).....JAOAC 73, 743 (1990)

Methyl Parathion (372/298-00-0/896)

1. GC (FID-IS)..... AOAC-977.04 (p. 208)
2. HPLC (NP-IS)..... AOAC-977.05 (p. 209)
3. GC (FID-IS; microencapsulated) AOAC-980.11 (p. 209)
4. HPLC (RP-ES)..... EPA-1

Methyl Parathion (372/298-00-0/896) (cont.)

5. IR EPA-2
6. Colorimetric EPA-3
7. GC (FID-IS) EPA-5
8. HPLC (RP-ES) EPA-6 (3)
9. Electrometric Titration NEIC-372-A
10. GC (FID-IS; with parathion) NEIC-372-B

Methyl Salicylate (577/119-36-8/1430)

1. HPLC (RP-ES) NEIC-577-A
2. GC (FID-ES) NEIC-577-B

Methyl Trithion (212/953-17-3/484)

1. IR NEIC-212-A
2. GC (FID-IS) AMP II (p. 315)
3. UV AMP II (p. 315)

Metobromuron (579A/3060-89-7/1439)

1. IR EPA-1
2. GC (FID-ES) EPA-2
3. GC (FID-IS) EPA-3
4. UV AMP VII (p. 574)

Metolachlor (188DD/51218-45-2/4140)

1. GC (FID-IS) AOAC-985.06* (p. 195)
2. GC (FID-IS; with atrazine) [see "Atrazine EPA-1(4)"]
3. GC (FID-IS) NEIC-188DD-A
4. HPLC (RP-ES) NEIC-188DD-B
5. GC (FID-ES) CAN; MHR.G
6. GC (FID-ES; in fertilizers) CAN; EPT.G

Metoxuron (194B/19937-59-8/436)

1. Dimethylamine Distillation and TLC AOAC-977.06 (p. 216)
2. HPLC/TLC NEIC-194B-A
3. By-product (TLC) CIPAC-1A (p. 1306)

Metribuzin (33D/21087-64-9/100)

1. GC (FID-IS) AOAC-984.11* (p. 219)
2. GC, IR and HPLC JAOAC 59, 278 (1976)
3. GC (FID-IS) NEIC-33D-A
4. GC (TCD-IS) NEIC-33D-B
5. HPLC (RP-ES) CAN; MGZ.L

Metsulfuron Methyl (419H/74223-64-6/-)

1. HPLC (RP-IS)..... AMP XVI (p. 85)
2. HPLC (NP-IS)..... AMP XVI (p. 87)

Mevinphos (160B/7786-34-7/356)

1. GC (FID-ES)..... AMP VI (p. 450)
2. IR AMP II (p. 360)
3. Hydrolysis/Titration AMP II (p. 356)
4. GC (FID-ES; separates isomers) NEIC-160B-A

Mexacarbate (579B/315-18-4/1441)

1. GC (TCD-IS)..... EPA-1 (2)
2. GC (FID-IS)..... NEIC-579B-A
3. IR NEIC-579B-B

MGK R-11 (89/126-15-8/206)

1. Titrimetric NEIC-89-A
2. GC (FID-IS)..... NEIC-89-B

MGK-264 (613/113-48-4/1512)

1. GC (FID-IS)..... AOAC-980.04* (p. 172)
2. GC (see "Pyrethrins/EPA-2")
3. GC (FID-IS)..... JAOAC 58, 845 (1975)
4. GC (FID)..... NEIC-613-A
5. GC (Pet shampoos) [see "Pyrethrins/EPA-1 (4)"]
6. GC (FID-IS; with allethrin and MGK-264). CAN; ALL/PFL/OCT.G
7. GC (FID-ES/CAP; with PBO and pyrethrins)..... CAN; OCT.G
8. GC (FID-IS/MB; with PBO and pyrethrins in pet shampoos)....
..... CAN; OCT.G/OCT.L (2)

MGK-326 (400/136-45-8/954)

1. UV NEIC-400-A
2. GC (FID-IS)..... NEIC-400-B

MGK R-874 (489B/3547-33-9/1194)

MH (352/123-33-1/847)

1. UV EPA-1
2. Titrimetric AMP IV (p. 149)
3. HPLC (RP-ES)..... NEIC-352-A
4. UV CAN; MHY

Mineral Oils (580/ - /1443)

1. Unsulfonated Residue AOAC-927.01 (p. 161)
2. Gravimetric JAOAC 56, 14 (1973)
3. Gravimetric CIPAC-1A (p. 1320)

Mineral Oil - Soap Emulsions

1. Water AOAC-926.02A (p. 162)
2. Total Oil AOAC-926.02B (p. 162)
3. Soap AOAC-926.02C (p. 162)
4. Unsulfonated Residue AOAC-926.02D (p. 162)
5. Ash AOAC-926.02E (p. 162)

Mirex (411/2385-85-5/976)

1. GC (EC-IS) NEIC-411-A

Mitox (see "Chlorbenside" 173)

Mobam (see "Benzothienyl Methylcarbamate" 81D)

Moisture (in Inorganic Arsenicals)..... AOAC-920.12 (p. 147)

Mocap (see "Ethoprop" 434C)

Modown (see "Bifenox" 561AA)

Molinate (444/2212-67-1/1063)

1. GC (FID-IS)..... AOAC-974.05 (p. 221)

Monitor (see "Methamidophos" 378A)

Monocrotophos (377/6923-22-4/901)

1. IR EPA-1
2. GC (FID-IS)..... EPA-2
3. GC (FID-IS)..... EPA-3 (1)
4. GC (FID-ES)..... AMP VI (p. 287)
5. IR AMP V (p. 194)

Monolinuron (207D/1746-81-2/467)

Monuron (583/150-68-5/1450)

1. Dimethylamine Distillation..... EPA-1
2. UV EPA-2
3. IR EPA-3

Monuron (583/150-68-5/1450) (cont.)

4. HPLC (RP-ES).....NEIC-583-A
5. IR CIPAC-1 (p. 730)
6. HPLC (NP-IS).....AMP XII (p. 162)

Monuron Trichloroacetate (583A/140-41-0/1451)

Morestan (see "Oxythioquinox" 576)

MSMA (582/2163-80-6/1448)

1. Titrimetric (see "Arsenic Compounds/EPA-3-Tent. & EPA-4")
2. IC (Conductivity detector).....JAOAC 72, 994 (1989)

Murfotox (see "Mecarbam" 340)

Muscalure [see "(z)-9-Tricosene" 883C]

Mylone (see "Dazomet" 840)

Nabam (585/142-59-6/1456)

1. Carbon Disulfide Evolution..... AOAC-965.15 (p. 217)

Naled (586/300-76-5/1457)

1. GC (TCD-ES) AMP VI (p. 350)
2. IR NEIC-586-A
3. GC (FID-IS)..... JAOAC 58, 1162 (1975)
4. GC (with captan and carbaryl)..... NEIC-586-B
5. GC (FID-ES/MB; in pet collars with propoxur) CAN; NAD.G/PPO.G

Naphthalene (587/91-20-3/1458)

1. Sublimation..... NEIC-587-A
2. GC (FID-IS)..... NEIC-587-B

1-Naphthaleneacetamide (588/86-86-2/1459)

1-Naphthaleneacetic Acid (589/86-87-3/1460)

1. HPLC (RP-ES)..... EPA-1 (3)
2. Titrimetric..... AMP V (p. 457)
3. IR NEIC-589-A
4. HPLC (RP-ES)..... CAN; NAP.L

1,8-Naphthalic Anhydride (see "Protect")

2-Naphthol (590/135-19-3/1467)

1. Colorimetric..... AOAC-950.70 (p. 1126)

2-Naphthoxyacetic Acid (590B/120-23-0/1468)

1. UV (Aqueous Sol'ns) NEIC-590B-A
2. UV (Alcohol Sol'ns)..... NEIC-590B-B

Napropamide (590A/15299-99-7/827)

1. GC (FID-IS)..... AMP VIII (p. 349)
2. GC (FID-IS/MB)..... CAN; NBE.G

Naptalam (592/132-66-1/1470)

1. UV EPA-1 (3)
2. Gravimetric (with DNSBP)..... NEIC-592-A
3. Titrimetric..... NEIC-592-B
4. HPLC (RP-IS; with DNSBP)..... NEIC-592-C

Naptalam (592/132-66-1/1470) (cont.)

5. HPLC (RP-ES; with DNSBP)..... NEIC-592-D
6. HPLC (RP-ES).....CAN; NBL.L

Neburon (594/555-37-3/4173)

1. IR EPA-1
2. UVEPA-2 (3)
3. Hydrolysis/Distillation..... AMP IV (p. 159)

Neguvon (see "Trichlorofon" 385)

Nellite (see "Diamidofos" 654B)

Nemacur (453A/22224-92-6/1079)

1. GC (TCD-IS)..... NEIC-453A-A

Nemagon (see "1,2-Dibromo-3-chloropropane" 287)

Neopynamin (see "Tetramethrin" 844)

Neotran (91/555-89-5/208)

Niclosamide (see "Clonitralid" 314)

Nicotine (597/54-11-5/1479) and Nicotine Sulfate (597A/65-30-5/1480)

1. Gravimetric AOAC-920.35 (p. 173)
2. HPLC (RP) EPA-1 (3)
3. UVNEIC-597-A
4. HPLC (RP-ES)..... NEIC-597-B
5. HPLC (RP-IS) NEIC-597-C

Nitralin (578/4726-14-1/1433)

1. IRAMP VII (p. 628)
2. GC (FID-ES).....AMP VII (p. 630)
3. IRNEIC-578-A

Nitrapyrin (217/1929-82-4/1482)

1. GC (TCD-IS).....NEIC-217-A

Nitrofen (323D/1836-75-5/786)

1. GC (FID-IS).....AMP X (p. 405)

Nitrophenols

1. Stannous Chloride Reduction EPA-1
2. Total Nitrogen EPA-2

Nitroso Compounds

1. Description and Analysis (GC) AMP XI (p. 363)
2. In Dimethyldithiocarbamates (GC) JAOAC 72, 663 (1989)
3. In 2,4-D and MCPA (GC) JAOAC 72, 508 (1989)
4. In dinoseb (GC) JAOAC 70, 792 (1987)

Norbormide (606/991-42-4/1502)

1. UV EPA-1

Norea (607/18530-56-8/1503)

1. IR NEIC-607-A

Norflurazon (195AA/27314-13-2/1504)

1. GC (FID-IS) AMP X (p. 417)
2. TLC/UV AMP X (p. 419)

Nortron (see "Ethofumesate" 427BB)

Nuairimol (419G/63284-71-9/1505)

1. GC (FID-ES) AMP XIII (p. 185)

OCS-21693 (578A/ - /1434)

1. IR NEIC-578A-A

Octhilinone (613C/26530-20-1/1510.5)

1. GC (FID-IS).....NEIC-613C-A

Oil of Citronella (618/8000-29-1/1526)

Oil of Lemongrass (618DA/ - /1530)

1. GC (TCD-ES) EPA-1

Omite (see "Propargite" 1301)

Ordram (see "Molinate" 444)

Organophosphates

1. TLC with carbamates (cross-contamination).....NEIC-TLC-A
2. GC (FID-IS/MS; screening).....CAN; OP1.G/OP2.G

Organotin Compounds

1. Titrimetric..... EPA-1

Ornitrol (286A/1249-84-9/655)

1. Total Chlorine NEIC-286A-A

Orthene (see "Acephate" 2A)

Oryzalin (623A/19044-88-3/1539)

1. Colorimetric.....AMP VIII (p. 435)
2. Colorimetric.....EPA-1 (2)
3. HPLC (RP-IS).....AMP XII (p. 208)

OUST (see "Sulfometuron Methyl" 561D)

Outfox (see "Cyprazine" 271D)

Ovex (624/80-33-1/1540)

1. IR EPA-1
2. Hydrolysis/Titration CIPAC-1 (p. 214)
3. IR CIPAC-1 (p. 730)

Oxadiazon (624A/19666-30-9/1541)

1. GC (TCD-IS).....AMP VII (p. 597)

Oxalic Acid (625/144-62-7/1542)

1. Titrimetric.....NEIC-625-A

Oxamyl (561A/23135-22-0/1543)

1. HPLC (NP-IS).....AMP X (p. 113)
2. HPLC (RP-IS).....EPA-1 (4)

Oxycarboxin (627A/5259-88-1/1549)

1. IR.....NEIC-627A-A
2. HPLC (RP-ES).....NEIC-627A-B

Oxydemeton-methyl (455/301-12-2/1084)

1. GC (FID-IS).....JAOAC 61, 500 (1978)
2. Hydrolysis/Titration.....AMP II (p. 300)
3. Redox Titration.....AMP II (p. 300)
4. IR.....NEIC-455-A
5. TLC/total Phosphorus.....CIPAC-1B (p. 1872)
6. GC (FID/ES/MB; after oxidation).....CAN; OXM.G
7. HPLC (RP-IS).....JAOAC 73, 431 (1990)

Oxyfluorfen (188AAA/42874-03-3/1551)

1. GC (FID-IS).....AMP XI (p. 332)

Oxythioquinox (576/2439-01-2/1428)

1. HPLC (RP-IS).....AOAC-986.08 (p. 226)
2. UV.....AMP V (p. 279)
3. HPLC (RP-ES).....CIPAC-IC (p. 2021)
4. IR.....CIPAC-IC (p. 2022)

Paarlan (see "Isopropalin" 506A)

Padan (see "Cartap" 360C)

Panogen (268) (see "Mercury")

Paradichlorobenzene (see "p-Dichlorobenzene" 632)

Paraformaldehyde (see "Formaldehyde" 633)

Paraquat Dichloride (634/1910-42-5/1555) and
bis(Methylsulfate) (635/2074-50-2/1556)

1. Colorimetric..... AOAC-969.09 (p. 227)
2. HPLC (RP-ES)..... EPA-1 (3)
3. HPLC (CX-ES) AMP XII (p. 211)
4. HPLC (RP-ES)..... NEIC-634-A
5. GC (NPD-ES; reduction with NaBH₄)..... CAN; PAQ.G

Parathion (637/56-38-2/1558)

1. GC (FID-IS)..... AOAC-978.06 (p. 207)
2. HPLC (NP-IS)..... AOAC-978.07 (p. 208)
3. Titrimetric..... AOAC-978.08 (p. 207)
4. Colorimetric..... AOAC-978.09 (p. 207)
5. GC (Encapsulated)..... AOAC-978.11 (p. 209)
6. HPLC (RP-ES)..... EPA-1
7. GC (FID-IS)..... EPA-2
8. GC (FID-IS)..... EPA-3 (2)
9. HPLC (RP-IS) EPA-4 (2)
10. IR NEIC-637-A
11. GC (FID-ES; use-dilutions)..... NEIC-637-B
12. GC (FID-ES/MB) CAN; PAR.G

Parinol (637A/17781-31-6/1559)

1. GC (FID-IS)..... NEIC-637A-A

Paris Green (229A/12002-03-8/529)

1. Total Arsenic..... AOAC-920.13 (p. 153)
2. Total Arsenious Oxide AOAC-920.14 (p. 153)
3. Total Copper (Electrolytic) AOAC-920.15A (p. 154)
4. Total Copper (Titrimetric) AOAC-920.15B (p. 154)

Parnon (see "Parinol" 637A)

Patoran (see "Metobromuron" 579A)

Pay-off (see "Flucythrinate" 2AA)

PBO (see "Piperonyl Butoxide" 670)

PCNB (see "Pentachloronitrobenzene" 640)

PCP (see "Pentachlorophenol" 641)

Pebulate (710/1114-71-2/1746)

1. GC (FID-IS)..... AOAC-974.05 (p. 221)
2. GC (TCD-ES)..... EPA-1
3. GC (FID-IS)..... EPA-2
4. GC (FID-IS)..... EPA-3

Pendimethalin (454BB/40487-42-1/1559.5)

1. GC (TCD-IS).....EPA-1 (3)
2. GC (FID-IS).....AMP X (p. 463)

Pentac (274/2227-17-0/620)

1. GC (TCD-IS).....NEIC-274-A
2. HPLC (RP-IS)..... NEIC-274-B

Pentachloronitrobenzene (640/82-68-8/1563)

1. GC (FID-IS).....AOAC-982.04* (p. 195)
2. IRAMP III (p. 129)
3. GC (FID-IS).....AMP VI (p. 577)
4. GC (FID-IS; in fertilizer mixtures).....JAOAC 55, 657 (1972)
5. Colorimetric.....NEIC-640-A

Pentachlorophenol (641/87-86-5/1564) and Sodium Salt (784/131-52-2/1566)

1. HPLC (see "Phenols and Chlorophenols/EPA-5-Tent.")
2. GC (FID-ES; as methyl ester).....NEIC-641-A
3. HPLC (with bromacil in oil sprays) NEIC-641-B
4. GC (FID-IS, TMS derivative)EPA-1 (3)
5. HPLC (RP-IS).....EPA-2 (3)
6. UVAMP V (p. 314)
7. IR CIPAC-1 (p. 730)
8. Total Chlorine (see "Phenols and Chlorophenols/EPA-3")
9. Total Acidity.....AWPA; A5-74-1
10. Colorimetric.....AWPA; A5-74-6
11. GC and TLC (in paints).....JAOAC 58, 19 (1975)
12. HPLC (RP-ES).....JAOAC 62, 1004 (1979)

Perfluidone (539C/37924-13-3/1575)

1. GC (FID-IS).....AMP X (p. 437)

Permethrin (652BB/52645-53-1/1575.5)

1. GC (FID-IS).....AOAC-986.03* (p. 167)
2. GC (FID-ES; aqueous formulations).....JAOAC 60, 9 (1977)
3. GC (FID-IS).....NEIC-652BB-A
4. GC (FID-IS).....NEIC-652BB-B
5. GC (FID-IS).....AMP XIII (p. 106)
6. Identification (GC/HPLC/IR/NMR/MS).....CIPAC-ID (p. 180)
7. GC (FID-IS; with allethrin/MGK-264).....CAN: ALL/PFL/OCT.G

Perthane (337/72-56-0/220)

1. IRNEIC-337-A

Petroleum Oils (817A/ - /1583)

1. Gravimetric (Neutral Oil Content) CIPAC-1 (p. 583)

Phaltan (see "Folpet" 464)

Phenkapton (335B/2275-14-1/816)

Phenmedipham (648B/13684-63-4/1588)

1. TLC.....AMP VII (p. 615)
2. Hydrolysis/TitrationNEIC-648B-A
3. Redox Titration.....NEIC-648B-B
4. Titrimetric.....CIPAC-IC (p. 2181)
5. HPLC (RP-IS).....CIPAC-IC (p. 2184)

Phenol (649/108-95-2/1589)

Phenols and Chlorophenols

1. Definition, Structure, and Tech. Data.....EPA-1
2. UV (o-Phenylphenol).....EPA-2
3. Total Chlorine (Lime fusion).....EPA-3
4. Bromination/Titration (o-phenylphenol).....EPA-4
5. HPLC (Pentachlorophenol).....EPA-5
6. GC (FID-ES).....EPA-6
7. GC (FID/TCD; 4-chloro-3,5-xyleneol).....EPA-7
8. GC (TCD-IS/TMS Der.).....EPA-8
9. HPLC (RP-ES).....NEIC-Phenols-A

Phenothizine (652/92-84-2/1591)

1. Colorimetric..... AOAC-967.37 (p. 106)
2. GC (FID-IS)..... AOAC-968.47 (p. 574)
3. IR EPA-1-Tent.
4. HPLC (RP-ES)..... JAOAC 59, 693 (1976)
5. GC (FID-IS)..... NEIC-652-A
6. GC (FID-IS; in feeds)..... NEIC-652-B
7. GC (FID-IS)..... NEIC-652-C

Phenothrin (652B/26002-80-2/1595)

1. GC (FID-IS)..... NEIC-652B-A
2. GC (FID-IS)..... AMP XIII (p. 134)
3. GC [see "Tetramethrin/EPA-1(4)"]
4. HPLC (RP-IS)..... NEIC-652B-B
5. GC (FID-ES; separates isomers) JAOAC 68, 911 (1985)

Phenoxy Herbicides (see "Chlorophenoxy Herbicides")

Phenthoate (427B/2597-03-7/1040)

1. GC (TCD-IS)..... AMP VIII (p. 161)
2. TLC..... AMP VIII (p. 164)
3. GC (FID-IS)..... NEIC-427B-A

Phenylmercuric Acetate (656/62-38-4/1606)

o-Phenylphenol (623AA/90-43-7/1631) and
Sodium Salt (787/132-27-4/1636)

1. UV (see "Phenols and Chlorophenols/EPA-2")
2. Bromination/Titr'n (see "Phenols and Chlorophenols/EPA-4")
3. GC (see "Phenols and Chlorophenols/EPA-6 and EPA-8-Tent.")
4. HPLC (RP-ES)..... NEIC-623AA-A

Phorate (660/298-02-2/1639)

1. IR AOAC-964.05 (p. 210)
2. IR EPA-1
3. GC (FID-IS)..... AMP VI (p. 493)
4. GC (FID-IS)..... NEIC-660-A

Phosalone (660A/2310-17-0/1640)

1. GC (TCD-IS)..... AMP VII (p. 387)
2. GC (FID-IS)..... CIPAC-ID (p. 142)
3. HPLC (NP-ES; with captan)..... CAN; PHE.L/CAP.L
4. GC (FID-ES/MB)..... CAN; PHE.G

Phosdrin (see "Mevinphos" 160B)

Phosfolan (268B/947-02-4/594)

1. UVAMP VII (p. 419)
2. GC (FID-IS).....AMP VII (p. 236)

Phosmet (543/732-11-6/1312)

1. IRAMP V (p. 261)
2. GC (FID-IS).....AMP VI (p. 408)
3. IR, GC and Colorimetric.....JAOAC 52, 1017 (1969)
4. HPLC (NP-ES)CAN; PHIL

Phosnichlor (see "Dicapthon" 296)

Phosphamidon (661/13171-21-6/1641)

1. TitrimetricAMP II (p. 377)
2. GC (FID-IS).....NEIC-661-A
3. IRNEIC-661-B

Phosphoric Acid (662/7664-38-2/1642)

1. Potentiometric Titration (also with HCl)NEIC-662-A

Phosphorus (Total)

1. GravimetricEPA-1

Phosphorus Paste (663/7723-14-0/1644)

1. Gravimetric (see "Phosphorus/EPA-1")

Phostoxin (see "Aluminum Phosphide" 31)

Phosvel (see "Leptophos" 525B)

Phoxim (902L/14186-18-3/1603)

1. HPLC (NP-ES)CIPAC-IC (p. 2188)

Phthalthrin (see "Tetramethrin" 844)

Phygon (see "Dichlone" 298)

Picloram (39/1918-02-1/1645)

1. HPLC (RP-IS; with 2,4-D)..... AOAC-976.03 (p. 196)
2. HPLC (RP-ES)..... EPA-1
3. IR AMP V (p. 512)
4. GC (FID-ES; as methyl ester)..... NEIC-39-A
5. UV NEIC-39-B
6. HPLC (AX-ES)..... CAN; PIC.L

Pindone (671/83-26-1/1661)

1. UV (Ether extraction)..... EPA-1
2. UV (Pyrophosphate extraction)..... EPA-2
3. UV (Water soluble formulations)..... EPA-3
4. HPLC (RP-ES)..... EPA-4 (4)

Pine Oil (665/8002-09-3/1651)

1. Gravimetric NEIC-665-A
2. Fatty or Rosin Acid Content..... NEIC-665-B
3. Water/Alcohol Content NEIC-665-C

Piperalin (575/3478-94-2/1424)

Piperonal (669/5281-13-0/1656)

1. GC (FID-IS)..... NEIC-669-A

Piperonyl Butoxide (670/51-03-6/1657)

1. Colorimetric..... AOAC-960.11 (p. 170)
2. GC (FID-IS)..... AOAC-982.02* (p. 172)
3. Qualitative Test..... EPA-1
4. GC (FID-IS)..... EPA-2
5. GC (see "Pyrethrins/EPA-2")
6. IR NEIC-670-A
7. IR CIPAC-1 (p. 730)
8. TLC (Semi-quantitative)..... NEIC-670-B
9. GC (FID-IS; with Diazinon)..... NEIC-670-C
10. HPLC (RP-ES; with folpet/pyrethrins)..... JAOAC 66, 789 (1983)
11. HPLC (Pet Shampoos) [see Pyrethrins/EPA-1 (4)]
12. GC (FID-ES/CAP; with MGK-264/pyrethrins)..... CAN; OCT.G
13. GC (FID-ES/MB; with MGK-264/pyrethrins).....
..... CAN; OCT.G/OCT.L(2)

Pirimicarb (359C/23103-98-2/1658)

1. GC (FID-IS)..... AOAC-982.08
2. Titrimetric AMP VII (p. 401)

Pirimicarb (359C/23103-98-2/1658) (cont.)

3. Colorimetric.....AMP VII (p. 401)
4. UV.....EPA-1 (2)
5. Identification (GC/TLC/IR/NMR).....CIPAC-ID (p. 182)
6. Reference Std. (Purification and purity).....CIPAC-ID (p. 197)

Pirimiphos Ethyl (334A/23505-41-1/1659)

1. GC (FID-IS).....AMP VIII (p. 174)
2. TLC/UV.....AMP VIII (p. 177)
3. Hydrolysis/UV.....AMP VIII (p. 179)
4. GC (FID-IS).....EPA-1 (4)
5. GC (FID-IS).....CIPAC-ID (p. 147)
6. Identification (GC/TLC/IR/NMR).....CIPAC-ID (p. 182)
7. Reference Std. (Purification and purity).....CIPAC-ID (p. 199)

Pirimiphos Methyl (334B/29232-93-7/1660)

1. GC (FID-IS).....AMP VIII (p. 189)
2. TLC/UV.....AMP VIII (p. 190)
3. Hydrolysis/UV.....AMP VIII (p. 190)
4. HPLC (RP-IS).....JAOAC 60, 14 (1977)
5. GC (FID-IS).....EPA-1 (4)
6. GC (FID-IS).....CIPAC-IC (p. 2193)
7. Reference Std. (Purification and purity).....CIPAC-IC (p. 2337)
8. Identification (GC/TLC/IR/NMR).....CIPAC-ID (p. 182)

Pival (see "Pindone" 671)

Planavin (see "Nitratin" 578)

Plantvax (see "Oxycarboxin" 627A)

Plictran (see "Cyhexatin" 884A)

PMP (515/83-28-3/1257)

1. UV (Ether extraction).....EPA-1
2. UV (Pyrophosphate extraction).....EPA-2
3. UV (Aqueous formulations).....EPA-3

Polaris (see "Glyphosine" 471A)

Polychlorinated Biphenyls (672A/1336-36-3/1666)

1. GC (EC-ES; in oils, soils, and wipes).....NEIC-672A-1

Polyram (41A/9006-42-2/108)

1. Carbon Disulfide Evolution.....NEIC-41A-A

Potassium Azide (682B/20762-60-1/1695)

1. GC (ES).....NEIC-682B-A

Potassium Bisulfate (682C/7646-93-7/1692)

Potassium Chromate (687/7789-00-6/1700)

1. Titrimetric.....NEIC-687-A

Potassium Cyanate (688/590-28-3/1701)

1. GravimetricAOAC-952.01* (p. 159)

Potassium Cyanide (688A/151-50-8/1702)

1. Titrimetric..... AOAC-920.30 (p. 159)

Potassium Dichloro-s-triazinetriene (689) (see "Available Chlorine")

Potassium-N-methyldithiocarbamate (696/137-41-7/1715)

Potassium Permanganate (699/7722-64-7/1719)

1. Titrimetric.....NEIC-699-A

Potassium Persulfate (700/7727-21-1/1721)

1. Titrimetric.....NEIC-700-A

Pramitol (see "Prometone" 96)

Prefar (see "Bensulide" 357)

Preforan (see "Fluorodifen" 462AA)

Pressurized Containers

1. Nonvolatiles (High-pressure).....NEIC-PC-A
2. Nonvolatiles (Refillable High-pressure)NEIC-PC-B
3. Non-volatiles (Low-pressure)..... NEIC-PC-C
4. Flame Projection Test..... NEIC-PC-D
5. Drum Test (Flammability-NEIC-PC-E
6. Total Container.....NEIC-PC-F
7. Direct Sampling.....NEIC-PC-G

Primidophos (5C/39247-96-6/12)

Princep (see "Simazine" 740)

Probe (see "Methazole" 549AA)

Procyazine (186ABC/32889-49-9/1733)

1. GC (FID-IS).....NEIC-186ABC-A

Profluralin (271BB/54460-46-7/1734)

1. GC (FID-IS).....AMP X (p. 453)

Promacyl

1. GC (FID-IS).....AMP VIII (p. 209)
2. GC (FID-IS).....AMP XI (p. 141)
3. GC (FID-IS; in cattle dips).....AMP XI (p. 144)

Promecarb (271C/2631-37-0/609)

Prometon (see "2,4-Prometone" 96)

2,4-Prometone (96/1610-18-0/1735)

1. GC (FID-IS).....AOAC-971.08* (p. 222)
2. GC (TCD-IS).....EPA-1
3. GC (FID-IS).....EPA-2
4. GC (FID-IS; with simazine)EPA-1 (4)
5. Nonaqueous Titration.....AMP IV (p. 173)

Prometryn (97/7287-19-6/1736)

1. GC (FID-IS).....AOAC-971.08* (p. 222)
2. Nonaqueous Titration.....AMP IV (p. 181)

Pronamide (see "Propyzamide" 306A)

Propachlor (194/1918-16-7/432)

1. GC (FID-IS).....AOAC-986.05* (p. 196)
2. GC (FID-IS).....NEIC-194-A
3. GC (FID, with atrazine).....NEIC-194-B
4. Labile Chlorine (Titration)NEIC-194-C
5. GC (FID-IS).....CAN; POE.G

Propanil (325/709-98-8/791)

1. Total Chlorine AMP IV (p. 326)
2. GC (FID-IS)..... NEIC-325-A
3. GC (TCD-IS)..... AMP XIII (p. 282)

Propargite (1301/2312-35-8/1737)

1. IR EPA-1
2. GC (TCD-IS)..... EPA-2
3. HPLC (RP-ES)..... CAN; POT.L

Propazine (184/139-40-2/1740)

1. GC (FID-IS)..... AOAC-971.08* (p. 222)
2. Labile Chlorine..... AMP IV (p. 188)

Propetamphos (706A/31218-83-4/1741.5)

1. GC (FID-IS)..... NEIC-706A-A
2. GC (FID-IS; with hydroprene)..... NEIC-706A-B
3. GC (FID-IS; with methoprene) NEIC-706A-C

Propham (510/122-42-9/1241)

1. Hydrolysis/Titration CIPAC-1 (p. 593)
2. HPLC (see "Quintex")
3. GC (see "Chlorpropham/CIPAC-IC; p. 2025")

Prophos (see "Propham" 510)

Propionic Acid (707/79-9-4/1742)

1. GC (FID-ES)..... EPA-1 (3)

Propoxur (508/114-26-1/1238)

1. HPLC (RP-IS)..... AOAC-984.12* (p. 220)
2. IR AMP VII (p. 165)
3. Colorimetric..... NEIC-508-A
4. IR (bait formulations)..... NEIC-508-B
5. HPLC (RP-ES; oil sprays)..... NEIC-508-C
6. GC (FID-IS; as TFA derivative)..... NEIC-508-D
7. IR NEIC-508-E
8. HPLC (RP-IS) NEIC-508-F
9. HPLC (NP-ES) AMP XII (p. 7)
10. GC (FID-ES/MB; in pet collars)..... CAN; NAD.G/PPO.G
11. GC (FID-ES)..... CAN; PRO.G
12. HPLC (RP-ES)..... CAN; PRO.L

Propylene Glycol (713/57-55-6/1749)

1. GC (TCD-IS).....EPA-1 (1)
2. GC (FID-IS).....AOAC-970.61 (p. 360)
3. GC (FID-IS/CAP; with aromatic naphtha).....
.....CAN; HAN/POJ.G

n-Propyl Isome (401/83-59-0/955)

Propyzamide (306A/23950-58-5/690)

1. GC (FID-IS).....AMP VIII (p. 445)
2. GC (FID-IS).....NEIC-306A-B

Prosulfalin (399DA/51528-03-1/1754)

Protect (-/81-84-5/-)

1. IRAMP VIII (p. 484)
2. GC (FID-ES).....NEIC-Protect-A

Prothoate (344B/2275-18-5/832)

1. GC (TCD-IS).....AMP VIII (p. 215)
2. TLC/Total Phosphorus.....AMP VIII (p. 217)

Prowl (see "Pendimethalin" 454BB)

Proxel (79A/ - /181)

Pydrin (see "Fenvalarate" 77A)

Pyrazon (714C/1698-60-8/1756)

1. HPLC (RP-ES).....CIPAC-ID (p. 35)
2. IREPA-1 (2)
3. HPLC (RP-ES).....JAOAC 71, 1064 (1988)

Pyrazophos (714D/13457-18-6/1070)

1. TLC/Total Sulfur.....AMP X (p. 239)
2. HPLC (NP-IS).....CIPAC-IC (p. 2206)

Pyrethrins (715/121-21-1/1757)

1. Titrimetric (Deniges).....AOAC-936.05 (p. 170)
2. GC (FID-IS).....AOAC-982.02* (p. 172)
3. Description.....EPA-1
4. GC (FID-ES).....EPA-2

Pyrethrins (715/121-21-1/1757) (cont.)

5. Titrimetric (Seil) EPA-3
6. HPLC (RP-ES) EPA-4(3)
7. TLC (with PBO) NEIC-715-A
8. GC (FID-IS; with PBO and MGK-264) AMP VIII (p. 232)
9. HPLC (RP-ES) NEIC-715-B
10. HPLC (RP-IS) JAOAC 66, 789 (1983)
11. HPLC (RP-IS; in pet shampoos) EPA-1 (4)
12. GC (FID-ES/CAP; with PBO and MGK-264) CAN; OCT.G
13. HPLC (NP-IS; with MGK-264 and PBO in pet shampoos)
..... CAN; OCT.G/OCT.L (2)

Pyridine (717/110-86-1/1759)

1. Distillation/Titration NEIC-717-A

Pyrinuron (718B/53558-25-1/1763.5)

1. HPLC (NP-IS) AMP XII (p. 233)

Pyrolan (574A/87-47-8/1422)

1. Hydrolysis/Distillation AMP II (p. 416)

Pyroxychlor (194C/7159-34-4/1764)

Quaternary Ammonium Compounds

1. Chloride Titration (Potentiometric)AOAC-960.14A (p. 228)
2. Chloride Titration (Absorption indicator)AOAC-960.14B (p. 228)
3. Conversion FactorsEPA-1
4. Auerbach Qualitative Test.....EPA-2
5. Ferricyanide MethodEPA-3
6. Epton TitrationEPA-4
7. Chloride/Bromide (Potentiometric titr'n)EPA-5
8. Colorimetric.....NEIC-Quat-A
9. Titrimetric.....NEIC-Quat-B
10. GravimetricNEIC-Quat-C
11. Titrimetric.....CAN; QA?.P

Quinalphos (662A/ 13593-03-8/835)

1. TLC/UV.....AMP XI (p. 149)
2. GC (FID-IS).....AMP XI (p. 151)

8-Quinolinol Sulfate (719B/134-31-6/1768)

1. UVNEIC-719B-A

Quintex® (Fenuron + Propham + Chlorpropham)

1. HPLC (RP-ES).....AMP XI (p. 344)

Quintiofos (454D/ - /1083)

1. GC (FID-ES; Dip washes).....NEIC-454D-A

Quintozone (see "Pentachloronitrobenzene" 2328)

Rabon (see "Tetrachlorvinphos" 217A)

Ramrod (see "Propachlor" 194)

Randox (see "Allidochlor" 284)

Raticate (see Norbormide" 606)

Red Squill (722/507-60-8/1772)

1. Paper Chromatography/Fluorescence NEIC-722-A
2. General Description NEIC-722-B

Resmethrin (83E/10453-86-8/1773.5)

1. IR EPA-1
2. GC (TCD-ES) EPA-2
3. GC (TCD-IS)..... EPA-3
4. HPLC (RP-ES)..... EPA-4
5. GC (FID-IS)..... EPA-5
6. GC (FID-IS)..... AMP VII (p. 445)
7. GC (separates isomers)..... AMP VII (p. 447)
8. Colorimetric..... AMP VII (p. 448)
9. HPLC (RP-IS)..... AMP XII (p. 70)

RH-787 (see "Pyrinuron" 718B)

Rogor (see "Dimethoate" 358)

Rogue (see "Propanil" 325)

Ro-Neet (see "Cycloate" 432A)

Ronnel (724/299-84-3/1775)

1. GC (FID-IS; in feeds)..... AOAC-969.56 (p. 108)
2. IR EPA-1
3. GC (FID-IS)..... EPA-2
4. IR (Korlan, smears, etc) NEIC-724-A
5. GC (FID-IS)..... NEIC-724-B
6. Colorimetric (Feeds and dips)..... NEIC-724-C
7. IR CIPAC-1 (p. 730)

Rotenone (725/83-79-4/1776)

1. Crystallization..... AOAC-938.01 (p. 168)
2. Total Ether Extract..... AOAC-940.04 (p. 169)
3. IR AOAC-961.03 (p. 169)
4. HPLC (RP-ES)..... AOAC-983.06* (p. 169)

Rotenone (725/83-79-4/1776) (cont.)

5. Qualitative Test..... EPA-1
6. HPLC (RP-ES)..... EPA-2 (3)
7. TLC..... NEIC-725-A
8. GC (Reduction with NaBH₄)..... NEIC-725-B
9. Colorimetric..... CIPAC-1 (p. 611)
10. GC (FID-ES)..... JAOAC 56, 1342 (1973)
11. HPLC (NP-ES)..... JAOAC 58, 958 (1975)
12. UV and IR (Effects of other rotenoids)..... JAOAC 59, 703 (1976)
13. HPLC (RP-ES)..... JAOAC 66, 783 (1983)
14. HPLC (RP-ES)..... CAN; ROT.L
15. HPLC (RP-ES)..... JAOAC 71, 323 (1988)

Round-Up (see "Glyphosate" 661A)

Rowmate (see "Dichlormate" 298A)

Rowtate (see "Cisanilide" 380A)

Rozol (see "Chlorophacinone" 211C)

Ruelene (see "Cruformate" 263A)

Ryanodine (727/15662-33-6/1777)

1. UV..... NEIC-727-A

Sabadilla Alkaloid (728/8051-02-3/1778)

1. Gravimetric AOAC-960.12 (p. 173)

Saftrole (729/94-59-7/1779)

Salicylanilide (730/87-17-2/1780)

1. UV EPA-1

Salithion (549D/3811-49-2/1330)

1. Colorimetric.....AMP VII (p. 433)
2. GC (FID-IS).....AMP VII (p. 435)

Sampling

1. Solids and Liquids..... AOAC-935.06 (p. 147)

Saturn (see "Benthiocarb" 207DA)

SBP-1382 (see "Resmethrin" 83E)

Schraden (610/152-16-9/1509.5)

1. Differential Hydrolysis..... CIPAC-1 (p. 621)
2. Hydrolysis/Titration.....NEIC-610-A

Secbumaton (125C/26259-45-0/1783)

1. Potentiometric Titration.....NEIC-125C-A

Sector (see "Butralin" 125E)

Selenium (732/7782-49-2/1784)

1. GravimetricNEIC-732-A
2. Gravimetric NEIC-732-B

Sencor (see "Metribuzin" 33D)

Sendran (see "Propoxur" 508)

Sesame Oil (733/8008-74-0/1786)

1. Qual. Test AOAC-893.01 (p. 979)

Sesone (319/136-78-7/772)

1. Hydrolysis/Titration AMP IV (p. 201)

Sethoxydim (72A/74051-80-2/174)

1. HPLC (NP-ES) NEIC-72A-A

Sevin (see "Carbaryl" 160)

Siduron (733A/1982-49-6/1787)

1. UV EPA-1
2. Hydrolysis/Distillation NEIC-733A-A

Silica Gel (734/1343-98-2/1788)

1. Gravimetric NEIC-734-A

Silver (735/7440-22-4/1790)

Silvex (739/93-72-1/1795)

1. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent.")
2. GC (see "Chlorophenoxy Herbicides/EPA-5-".)
3. GC (as TMS ester) AMP VI (p. 688)
4. Titration CIPAC-IC (p. 2121)
5. GC (FID-IS; as methyl ester)
6. Reference Std. (Purification and purity) CIPAC-IC (p. 2333)

Silvex, Propylene Glycol Butyl Ester Ester (739N/53466-84-5/1798)

1. Hydrolysis/Titration NEIC-1798-1

Simazine (740/122-34-9/1816)

1. GC (FID-IS) AOAC-971.08* (p. 222)
2. Labile Chlorine (see "Chloro-Triazine Herbicides/EPA-1")
3. UV (0.1% Aqueous Suspension) EPA-1
4. GC [see "Prometone/EPA-1 (4)"]
5. HPLC [see "Karbutilate/EPA-1 (4)"]
6. Non-aqueous Titration AMP IV (p. 217)

Simetryn (94B/1014-70-6/218)

1. GC (FID-IS) CIPAC-1B (p. 1895)

Soap (741/68952-95-4/1817)

1. Moisture by Distillation.....AOAC-926.01A (p. 162)
2. Sodium and Potassium..... AOAC-926.01B (p. 162)

Sodium Arsenate (743/13464-38-5/1822)

Sodium Arsenite (744/7784-46-5/1823)

Sodium Benzoate (746/532-32-1/1825)

1. TitrimetricNEIC-746-A

Sodium Bisulfate (742/7681-38-1/1819)

Sodium Carbonate (752/497-19-8/1832)

1. Titrimetric..... AOAC-911.01 (p. 232)

Sodium Chlorate (753/7775-09-9/1833)

1. Titrimetric..... EPA-1
2. Titrimetric..... CIPAC-1 (p. 626)
3. Titrimetric (with Sodium Metaborate)EPA-1 (4)

Sodium Cyanide (758/143-33-9/1843)

1. Titrimetric..... AOAC-920.30 (p. 159)
2. Titrimetric.....NEIC-758-A

Sodium Diacetate (758C/ - /1844)

1. TitrationNEIC-758C-A

Sodium Dichloro-s-triazinetriene (759) (see "Available Chlorine")

Sodium Dimethyldithiocarbamate (762/128-04-1/1846)

Sodium Fluoride (769/7681-49-4/1850)

1. Total Fluorine..... AOAC-929.04 (p. 150)
2. Titrimetric.....NEIC-769-A
3. Ion Chromatography.....EPA-1 (4)

Sodium Fluoroacetate (770/62-74-8/1851)

1. GC (Derivatization).....JAQAC 63, 49 (1980)
2. HPLC (NP-ES)NEIC-770-A

Sodium Fluosilicate (771/16893-85-9/1852)

1. Total Fluorine..... AOAC-945.05 (p. 152)

Sodium Hydroxide (773/1310-73-2/1854)

1. Titrimetric..... AOAC-911.01 (p. 232)

Sodium Hypochlorite (776/7681-52-9/1856)

1. Titrimetric..... AOAC-935.07 (p. 160)
2. Chloride Content..... AOAC-935.08B (p. 160)
3. Sodium Hydroxide Content..... AOAC-935.08C (p. 160)
4. Titrimetric (Rel. Iodine)..... NEIC-776-A

Sodium Metaborate (779AA/7775-19-1/1863)

1. Titrimetric [see "Sodium Chlorate/EPA-1 (4)"]

Sodium Selenate (791/13410-01-0/1880)

Sodium Trichloroacetate (797/650-51-1/1888)

1. Titrimetric..... AOAC-962.08 (p. 197)
2. Decarboxylation/Titration CIPAC-1 (p. 691)

Solan (800/2307-68-8/1892)

1. Total Chlorine NEIC-800-A

Sorbic Acid (801/110-44-1/1893) and Potassium Salt (801A/ - /1894)

Spectracide (see "Diazinon" 342)

Spergon (see "Chloranil" 171)

Spike (see "Tebuthiuron" 366AA)

Stabilene (see "Butoxypropylene Glycol" 122)

Stam (see "Propanil" 325)

Starlicide (216A/7745-89-3/499)

1. Colorimetric..... NEIC-216A-A

Streptomycin (804/57-92-1/1898) and Sulfate (804A/298-39-5/1899)

1. UV..... EPA-1

Strobane (822/8001-50-1/1927)

Strychnine Alkaloid (805/57-24-9/1900) and Sulfate (806/60-41-3/1901)

1. Gravimetric EPA-1
2. UV EPA-2
3. HPLC EPA-3 (2)

Strychnine Alkaloid (805/57-24-9/1900) and Sulfate (806/60-41-3/1901) (cont.)

4. HPLC (RP-ES)..... NEIC-805-A
5. GC (FID-ES)..... JAOAC 58, 961 (1975)
6. HPLC (RP-ES)..... JAOAC 58, 957 (1975)
7. UV NEIC-805-B
8. HPLC (RP) JAOAC 61, 612 (1978)
9. HPLC (RP-IS)..... EPA-4 (3)

Sulfallate (180/95-06-7/396)

1. Total chlorine AMP IV (p. 249)

Sulfamic Acid (809/5329-14-6/1904)

1. Titrimetric NEIC-809-A

Sulfanilamide (809A/63-74-1/1905)

Sulfaquinoxaline (721/59-40-5/1771)

1. Colorimetric..... AOAC-963.35 (p. 112)
2. HPLC (with warfarin) EPA-MP-1 (2)

Sulfometuron Methyl (561D/74222-97-2/-)

1. HPLC (RP-IS)..... AMP XVI (p. 108)

Sulfotepp (837/3689-24-5/1948)

1. GC (TCD-IS)..... AMP VI (p. 483)

Sulfoxide (615/120-62-7/1522)

1. UV AOAC-968.05 (p. 230)

Sulfur (812/7704-34-9/1911)

1. Gravimetric (Water soluble sulfur) AOAC-920.31 (p. 159)
2. Gravimetric (CS₂ extraction) EPA-1
3. Gravimetric (Nitric acid oxidation) EPA-2

Sulfur (812/7704-34-9/1911) (cont.)

4. Gravimetric (Acetone method).....EPA-3
5. Titrimetric..... CIPAC-1 (p. 632)
6. HPLC (RP-ES).....JAOAC 71, 617 (1988)

Sulfur Dioxide (813/7446-09-5/1912)

1. Titrimetric (Fumigants) EPA-1

Sulfuric Acid (815/7664-93-9/1914)

1. Titrimetric.....NEIC-815-A

Sulfuryl Fluoride (816A/2699-79-8/1916)

Sulphenone (211D/80-00-2/482)

Sulprofos (453AA/35400-43-2/1078)

1. GC (FID-IS)..... AOAC-980.12 (p. 210)

Sumithion (see "Fenitrothion" 373)

Supona (see "Chlorfenvinphos" 187)

Supracide (see "Methadathion" 378B)

Surflan (see "Oryzalin" 623A)

Sustar (see "Fluridamid" 889B)

Sutan (see "Butylate" 434A)

Swep (818/1918-18-9/1917)

Systox (see "Demeton" 279)

2,4,5-T (881/93-76-5/2024)

1. HPLC (RP-IS).....AOAC-980.08* (p 196)
2. UV (with 2,4-D) (see "Chlorophenoxy Herbicides/EPA-2")
3. HPLC (see "Chlorophenoxy Herbicides/EPA-3-Tent.")
4. Extraction/Titration CIPAC-1 (p. 642)
5. GC (FID-ES; as methyl ester).....NEIC-881-A
6. HPLC (RP-ES)..... NEIC-881-B
7. GC (as TMS ester)..... AMP VI (p. 630)
8. GC (as TMS ester, on-column)..... NEIC-881-C
9. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2257)
10. Characterization (IR/GC/TLC).....CIPAC-IC (p. 2220)
11. Reference Std. (Purification and purity).....CIPAC-IC (p. 2312)
12. TCDD content (GC-MS).....CIPAC-IC (p. 2284)

2,4,5-T, Butoxyethanol Ester (881N/2545-59-7/2039)

1. GC (see "Chlorophenoxy Herbicides/EPA-4-Tent.")
2. Hydrolysis/Titration CIPAC-1 (p. 646)

2,4,5-T, 2-Ethylhexyl Ester (881R/1928-47-8/2043)

Tabutrex (see "Dibutyl Succinate" 293)

Tackle (see "Aciflurfen Sodium Salt" 755D)

Talon (see "Brodifacoum" 114AAA)

Tandex (see "Karbutylate" 516A)

2,4,5-TB (881/93-80-1/2048)

2,3,6-TBA (873/3426-62-8/2008)

1. Characterization (IR/MP).....CIPAC-IC (p. 2226)
2. GC (FID-IS; as methyl ester).....CIPAC-IC (p. 2227)
3. Reference Std. (Purification and purity).....CIPAC-IC (p. 2314)

TCA (see "Trichloroacetic Acid" 870)

TCC (874/101-20-2/2011)

TCNB (see "Tecnazine" 831)

TDE (307/72-54-8/693)

1. IRNEIC-307-A

Tebuthiuron (366AA/34014-18-1/1920)

1. UVEPA-1 (3)
2. GC (FID-IS)..... AMP XI (p. 355)
3. HPLC (Silica)..... AMP XI (p. 353)
4. HPLC (RP-ES)..... CAN; TDU.L

Tecnazene (831/117-18-0/1934)

1. Polarography..... CIPAC-1 (p. 663)
2. GC (FID-IS).....EPA-1 (3)

Tedion (see "Tetradifon" 836)

Telodrin (see "Isobenzan" 609)

Telone (see "D-D Mixture" 324)

Telvar (see "Monuron" 583)

Temephos (845/3383-96-8/1921)

1. HPLC (NP-IS).....AOAC-982.07* (p. 211)
2. UVAMP VII (p. 121)
3. GC (FID-IS).....AMP VII (p. 125)
4. HPLC (NP-ES) CAN; TEF.L

Temik (see "Aldicarb" 11A)

Tenoran (see "Chloroxuron" 217B)

TEPP (838/107-49-3/1949)

1. Titrimetric AOAC-949.06 (p. 211)
2. Hydrolysis/Titration CIPAC-1 (p. 667)

Terbacil (821A/5902-51-2/1922)

1. HPLC (NP-IS).....AMP X (p. 485)
2. IRAMP X (p. 486)
3. UVEPA-1 (3)
4. HPLC (RP-ES).....CAN; TEI.L

Terbucarb (see "Terbutol" 294)

Terbufos (131A/13071-79-9/1924)

1. GC (FID-IS)..... AMP XI (p. 166)
2. HPLC (NP-ES)CAN; TDS.G

Terbut (see "Secbumeton" 125C)

Terbuthylazine (125B/5915-41-3/1925)

1. GC (FID-IS)..... AOAC-981.04 (p. 220)

Terbutol (294/1918-11-2/670)

1. IR EPA-1
2. GC (FID-IS)..... EPA-2
3. UV NEIC-294-A

Terbutryn (125D/886-50-0/1926)

1. GC (FID-IS)..... AOAC-971.08 (p. 222)
2. IR NEIC-125D-A

Terpene Polychlorinates (see "Strobane" 822)

Terraclor (see "Pentachloronitrobenzene" 640)

Terramycin (628/2058-46-0/1552)

Terrazole (428/2593-15-9/1029)

1. GC (TCD-ES) NEIC-428-A
2. IR (with PCNB)..... NEIC-428-B
3. GC (FID-ES; with PCNB) NEIC-428-C

2,3,5,6-Tetrachloro-4-(methylsulfonyl)pyridine (830A/13108-52-6/1933)

1. GC (TCD-IS)..... NEIC-830A-A
2. UV NEIC-830A-B

Tetrachlorophenols (832/25167-83-3/1935) and salts

1. IR CIPAC-1 (p. 730)
2. Titrimetric NEIC-832-A
3. IR NEIC-832-B
5. GC (see "Pentachlorophenol/NEIC-1564-2")
6. HPLC (see "Pentachlorophenol/NEIC-1564-4")

Tetrachlorothiophene (834/6012-97-1/1943)

Tetrachlorvinphos (217A/961-11-5/503)

1. GC (FID-IS)..... EPA-1 (3)
2. GC (FID-ES)..... AMP VII (p. 299)
3. IR AMP VII (p. 302)
4. GC (Premixes)..... NEIC-217A-A

Tetradifon (836/116-29-0/1946)

1. GC (FID-IS)..... AOAC-981.02 (p. 197)
2. GC (FID-IS)..... AMP X (p. 121)
3. Total Chlorine (Na reduction)..... AMP II (p. 475)
4. IR CIPAC-1 (p. 730)

Tetralin (842A/119-64-2/1953.5)

Tetraethylpyrophosphate (see "TEPP" 838)

Tetramethrin (844/7696-12-0/1957)

1. GC (FID-IS)..... AMP VII (p.349)
2. TLC/UV..... AMP VII (p. 347)
3. GC (TCD-IS; with resmethrin) NEIC-844-A
4. GC (FID-IS; with synergists)..... NEIC-844-B
5. GC (FID-IS; with d-phenothrin)..... EPA-1 (4)

Tetrasul (213/2227-13-6/487)

TFM (see "Lamprecide" 890)

Thallium Sulfate (849/7446-18-6/1964)

1. Gravimetric AOAC-939.01* (p. 163)
2. AA NEIC-849-A

Thanite (503/115-31-1/1227)

1. Total Nitrogen AOAC-951.02 (p. 228)

Thiabendazole (849A/148-79-8/1965)

1. Colorimetric..... AOAC-966.28 (p. 114)
2. Titrimetric..... NEIC-849A-A
3. UV AMP VIII (p. 301)
4. Colorimetric..... JAOAC 58, 971 (1975)

Thimet (see "Phorate" 660)

Thiobencarb (207DA/28249-77-6/1968)

1. GC (FID-IS)..... EPA-1 (4)
2. GC (FID-IS)..... CIPAC-ID (p. 160)

Thiocarbamate Herbicides

1. GC (FID-IS)..... AOAC-974.05 (p. 221)
2. GC (GC-ES).....CAN; EPT.G

Thiocyanates

1. Total Nitrogen AOAC-951.02 (p. 228)

Thiocyclam-Hydrogen Oxalate (853F/-/-)

1. HPLC (RP-IS) AMP XI (p. 187)

Thiodan (see "Endosulfan" 420)

Thiodicarb (900AA/59669-26-0/911.5)

1. HPLC (RP-IS)NEIC-900AA-A

Thiofanox (368BB/39196-18-4/1974)

Thiometon (455B/640-15-3/1086)

1. IR CIPAC-1 (p. 730)
2. GC (FID-IS).....AMP VIII (p. 242)
3. GC (FID-IS).....NEIC-455B-A

Thiophanate (344A/23564-06-9/829)

1. UVEPA-1 (3)
2. HPLC (RP-ES; with thiram) NEIC-344A-A

Thiophanate-Methyl (375A/23564-05-8/1975)

1. UVEPA-1 (3)
2. Colorimetric..... NEIC-375A-A
3. HPLC (RP-IS) CIPAC-ID (p. 163)

Thiourea (855/62-56-6/1977)

Thiram (856/137-26-8/1978)

1. CS₂ Evolution..... AOAC-966.08 (p. 222)
2. UV EPA-1
3. IR EPA-2
4. IR CIPAC-1 (p. 730)
5. HPLC (RP-ES; with thiophanate)NEIC-856-A
6. HPLC (RP-IS)EPA-3 (4)
7. HPLC (NP-IS)..... CIPAC-ID (p. 169)
8. HPLC (RP-ES; with carboxin).....CAN; CBX.L/THR.L

Thymol (856A/89-83-8/1979)

1. Titrimetric..... AOAC-929.12 (p. 552)

TIBA (890A/88-82-4/2084)

Tiguvon (see "Fenthion" 456F)

Tillam (see "Pebulate" 710)

Tin & Tin Compounds

1. Titrimetric [see "Bis(tributyltin)oxide/EPA-1"]

Tiocarbenil (82AA/36756-79-3/1629.3)

1. GC (FID-IS)..... AMP XI (p. 309)
2. TLC..... AMP XI (p. 311)

Tirpate (364/26419-73-8/878)

TOK (see "Nitrofen" 323D)

Tolban (see "Profluralin" 271BB)

Toluene (859/108-88-3/1982)

1. GC (FID-IS)..... AOAC-975.06 (p. 232)

Topcide (see "Benzadox" 75C)

Topsin (see "Thiophanate" 344A)

Topsin M (see "Thiophanate-Methyl" 375A)

Torak (see "Dialifor" 280A)

Tordon (see "Picloram" 39)

Toxaphene (861/8001-35-2/1986)

1. IR AMP II (p. 531)
2. Total Chlorine AMP II (p. 525)
3. IR CIPAC-1 (p. 730)
4. IR NEIC-861-A

2,4,5-TP (see "Silvex" 739)

Treflan (see "Trifluralin" 889)

Triadimeform (862AA/43121-43-3/457)

1. HPLC (NP-IS)..... AOAC-985.08 (p. 228)
2. HPLC (RP-IS)..... NEIC-862AA-A
3. HPLC (RP-IS)..... CIPAC-IC (p. 2236)

Triallate (870A/2303-17-5/2006)

1. GC (FID-IS)..... EPA-1 (4)
2. GC (FID-ES/MB)..... CAN; TQA.G
3. GC (FID-ES; in fertilizers)..... CAN; TQA.G (2)

Triamiphos (37A/1031-47-6/103)

Triarimol (861A/26766-27-8/1987)

1. GC JAOAC 56, 11 (1973)

Triazine Herbicides

1. GC (FID-IS)..... AOAC-971.08 (p. 222)
2. Titrimetric..... JAOAC 54, 4, (1971)
3. GC (FID-IS)..... AMP X (p. 513)
4. HPLC (RP-ES)..... CAN; ATR/.../CUC.L

s-Triazinetriol (862/108-80-5/593) (see "Available Chlorine")

Triazophos (344G/24017-47-8/831)

1. TLC/Total Sulfur..... AMP X (p. 129)

3,4,5-Tribromosalicylanilide (863/87-10-5/1989)

1. UV (see "Brominated Salicylanilides/EPA-1")

Tributyltin Fluoride (867C/1983-10-4/1997) (see "Tin" and "Fluorine")

Tributyltin Oxide (see "Bis(tributyltin)oxide" 101)

Tricamba (869/2307-49-5/2004)

Trichlorfon (385/52-68-6/913)

1. IR EPA-1 (1)
2. GC (FID-IS)..... EPA-2 (1)
3. GC (FID-IS; TMS Der.) EPA-3 (3)
4. HPLC (RP-IS)..... EPA-4 (3)
5. Hydrolyzable Chlorine AMP II (p. 201)
6. Dehydrohalogenation AMP II (p. 202)

Trichlorfon (385/52-68-6/913) (cont.)

7. GC (NPD-ES)..... AMP VI (p. 387)
8. HPLC (RP-IS).....NEIC-385-A
9. HPLC (RP-IS).....JAOAC 71, 317 (1988)
10. GC (Impurities).....JAOAC 71, 440 (1988)

Trichlormethylfos (see "Chlorpyriphos Methyl" 179AA)

Trichloroacetic Acid (870/76-03-9/2005)

1. Decarboxylation/Titration CIPAC-1 (p. 691)

2,3,6-Trichlorobenzoic Acid (873/3426-62-8/2008)

3,4,4'-Trichlorocarbanilide (874/101-20-2/2011)

1. UV EPA-1

1,1,1-Trichloroethane (875/71-55-6/2103)

Trichloroethylene (876/79-01-6/2014)

Trichloromelamine (877/7673-09-8/2016) (see "Available Chlorine")

Trichloronitromethane (see "Chloropicrin" 214)

Trichloronat (456A/327-98-0/1090)

2,4,5-Trichlorophenol (879/95-95-4/2020) and Potassium Salt

Trichloro-s-triazinetriene (883/ - /2060) (see "Available Chlorine")

Triclopyr, butoxyethyl ester (882I/55335-06-3/2062)

1. HPLC (RP-IS).....EPA-1 (4)

(Z)-9-Tricosene (883C/27519-02-4/2064)

1. GC (FID-IS).....NEIC-883C-A
2. GC (FID-IS).....NEIC-883C-B

Tricresyl Phosphate (884/1330-78-5/2065)

Tricyclazole (884C/41814-78-2/2066)

1. GC (FID-IS)..... AMP XI (p. 265)
2. HPLC (RP-IS)..... AMP XI (p. 267)

Tridemorph (386/24602-86-6/915)

Triethanolamine (886/102-71-6/2070)

Triethylene Glycol (888/112-27-6/2078)

1. GC (TCD-IS).....EPA-1 (1)

Trifenofos (888D/38524-82-2/2080)

Trifenson (see "Sulphenone" 211D)

Trifluralin (889/1582-09-8/2082)

1. UV AOAC-973.13 (p. 179)
2. GC (FID-IS)..... AOAC-973.14 (p. 180)
3. GC (FID-IS)..... EPA-1
4. IR EPA-2
5. GC (Separation from benfen).....NEIC-889-A
6. GC (FID-ES/WB)..... CAN; TSU.G
7. GC (FID-ES/CAP; in fertilizers)..... CAN; TSU.G (2)
8. GC (FID-IS; with benfluralin) JAOAC 73, 981 (1990)

Triforine (890AA/26644-46-2/2083)

1. TLC/Densitometry.....AMP X (p. 245)
2. Total Chlorine AMP X (p. 247)
3. Non-aqueous Titration.....NEIC-890AA-A
4. HPLC (NP-ES) NEIC-890AA-B
5. HPLC (RP-ES).....NEIC-890AA-C
6. HPLC (with acephate and dicofol) [see "Acephate/EPA-1 (4)"]

Triphenyltin Acetate (896C/900-95-8/2098)

1. Potentiometric Titration..... AOAC-979.02 (p. 156)
2. GC (with dithiocarbamates) AOAC-984.04 (p. 157)

Triphenyltin Hydroxide (896E/76-87-9/2101)

1. Potentiometric Titration..... AOAC-979.02 (p. 156)
2. GC (with dithiocarbamates) AOAC-984.04 (p. 157)
3. UV NEIC-896E-A
4. GC JAOAC 61, 1507 (1978)

Triprene (896J/2103)

Tris-Nitro (see "2-Hydroxymethyl-2-nitro-1,3-propanediol" 495)

Trithion (see "Carbophenothion" 165)

4-Tritylmorpholine (898A/1420-6-0/2108)

Tropital (see "Piperonal" 669)

Troysan 174 [see "2-((Hydroxymethyl)amino)ethanol" 494C]

Trysben (see "TBA" 873)

Tunic (see "Methazole" 549AA)

Tupersan (see "Siduron" 733A)

Turkey Red Oil (899/8002-33-3/2109)

Turpentine (900/8006-64-2/2111)

Tyrothricin (900A/1404-88-2/2112)

Urea (902/57-13-6/2114)

Ureas, Substituted

1. HPLC (NP & RP) NEIC-SU-A

Urox (see "Monuron Trichloroacetate" 583A)

Vacor (718B/53558-25-1/1763.5)

1. UVEPA-1 (1)
2. HPLC (RP-ES).....EPA-2 (1)
3. HPLC (NP-IS).....JAOAC 60, 1375 (1977)
4. Potentiometric Titration..... NEIC-718B-B

Valone (see "PMP" 515)

Vamidothion (379A/2275-23-2/904)

1. Titrimetric.....AMP VII (p. 483)
2. GC (TCD-IS).....AMP VII (p. 481)

Vapam (see Metam-Sodium, 780)

Vapona (see "DDVP" 328)

VBT (see "Vinylene Bisthiocyanate" 902A)

Vegadex (see "CDEC" 180)

Vendex (see "Hexakis" 481DD)

Venzar (see "Lenacil" 525A)

Vernolate (711/1929-77-7/1747)

1. GC (FID-IS)..... AOAC-974.05 (p. 221)
2. IREPA-1
3. GC (FID-IS)..... EPA-2
4. GC (TCD-IS)..... EPA-3
5. HPLC (RP-ES).....EPA-4 (2)
6. GC (FID-IS).....NEIC-711-A

Vikane (see "Sulfuryl Fluoride" 816A)

Vinclozolin (323C/50471-44-8/ -)

1. GC (FID-IS)..... CIPAC-ID (p. 174)

Vinyl Chloride (902B/75-01-4/-)

1. GC (Qual. test).....NEIC-VCM-A
2. IR (Qual. test).....NEIC-VCM-B
3. GC/IR (Qual. test, also other propellants)NEIC-VCM-C

Vinylene Bisthiocyanate (902A/14150-71-1/2116)

1. Polarographic..... NEIC-902A-A

Vitavax (see "Carboxin" 165A)

Vydate (see "Oxamyl" 561A)

Warfarin (903/81-81-2/2117)

1. UV (Ether Extraction)..... AOAC-960.15 (p. 229)
2. HPLC (RP-ES)..... EPA-1
3. UV (Pyrophosphate extraction)..... EPA-2
4. HPLC (Sodium salt)..... EPA-3
5. HPLC (RP-ES)..... EPA-4 (3)
6. UV (Silicic acid clean-up)..... AMP III (p. 203)
7. UV (Ether/hexane extraction)..... AMP VII (p. 678)
8. HPLC (RP-ES)..... JAOAC 59, 1104 (1976)
9. HPLC (RP-ES with sulfaquinoxaline) EPA-MP-1 (2)
10. HPLC (RP-ES with sulfaquinoxaline) NEIC-903-A
11. HPLC (RP-ES)..... CAN; WAR.L
12. HPLC (RP-ES; with sulfoquinoxaline in concentrates).....
..... AMP XVI (p. 155)
13. HPLC (RP-ES; with sulfoquinoxaline in wheat baits).....
..... AMP XVI (p. 156)

Water (903B/ - / -)

1. Distillation (Soap)..... AOAC-14; 6.123
2. Distillation (Pine oils)..... NEIC-903B-A
3. Distillation (Phenolic or coal-tar creosote)..... NEIC-903B-B
4. Distillation (Liquor creosolis saponatus)..... NEIC-903B-C
5. Isopropanol Conversion Table NEIC-903B-D

Wepsyn (see "Triamiphos" 37A)

Xylene (906/1330-20-7/2121)

Zectran (see "Mexacarbate" 579B)

Zinc and Zinc Compounds

1. Gravimetric AOAC-918.01 (p. 150)
2. Titrimetric NEIC-ZN-A

Zinc Arsenite (909/28837-97-0/2126)

1. Total Arsenic AOAC-920.22B (p. 155)
2. Water Soluble Arsenic AOAC-920.22C (p. 155)
3. Total Zinc AOAC-920.22D (p. 155)
4. Total Arsenious Oxide AOAC-920.23 (p. 155)

Zinc Fluosilicate (914/16871-71-9/2131)

Zinc Naphthenate (919/1338-02-9/2137)

1. Gravimetric AOAC-918.01 (p. 150)

Zinc Phosphide (922/1314-84-7/2141)

1. Phosphine Evolution (KMnO_4 oxidation) EPA-1
2. Phosphine Evolution (GLC-FPD) EPA-2
3. Phosphine Evolution (Iodometric Titration) CIPAC-1 (p. 703)

Zineb (930/12122-67-7/2151)

1. Carbon Disulfide Evolution AOAC-965.15 (p. 217)

Ziram (931/137-30-4/2153)

1. Carbon Disulfide Evolution AOAC-965.15 (p. 217)
2. UV EPA-1 (3)

Zolone (see "Phosalone" 660A)

Zytron (323/299-85-4/783)

1. IR NEIC-323-A