

## SHELL OIL COMPANY

TO HOUSTON - HS&E - MR. J. J. BONIN

DATE DECEMBER 19, 1978

FROM WASHINGTON REPRESENTATIVE -  
REG. AFF. - HS&E -  
WASHINGTON, D. C.

SUBJECT NCI DOCUMENT

Attached for your information is a document concerning "Chemicals Being Tested For Carcinogenicity" by the Carcinogenesis Testing Program, DCCP, NCI.

  
P. C. Holladay

Attachment

cc w/att.: Houston - HS&E - Information Services  
- SDC - Dr. D. E. Stevenson

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CHEMICALS BEING TESTED FOR CARCINOGENICITY  
BY THE CARCINOGENESIS TESTING PROGRAM, DCCP, NCI

Reg. Aff. - Wash. LS&ES  
Washington, D.C. Office

Rec'd

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CHEMICALS TESTED IN THIS PROGRAM ARE SELECTED ON THE BASIS OF HUMAN  
EXPOSURE, PRODUCTION LEVELS AND CHEMICAL STRUCTURE. SELECTION OF A  
CHEMICAL FOR BIOASSAY DOES NOT NECESSARILY IMPLY THAT IT IS A CARCINOGENIC.  
COMPOUNDS ARE LISTED BY THEIR COMMON OR GENERIC NAME,  
IF THIS IS NOT AVAILABLE, THEN CHEMICAL NAME IS USED. FOR ADDITIONAL  
INFORMATION ADDRESS REQUESTS TO: TECHNICAL INFORMATION RESOURCES BRANCH,  
NATIONAL CANCER INSTITUTE, LANDOW BUILDING, ROOM A304, BETHESDA.

SCC  
5-1991

| NCI # | CHEMICAL NAME | CAS #                                                   | ROUTE | SPECIES | *NTIS # |
|-------|---------------|---------------------------------------------------------|-------|---------|---------|
| 07.0  | 001887        | ACEVANILIDE, 3-AMINO-4-ETHOXY-                          | FEED  | M       | 001887  |
| 08.0  | 003974        | ACETIC ACID, (ETHYLENEDINITRILIO) TETRA, TRISODIUM SALT | FEED  | M       | 003974  |
| 09.0  | 002766        | ACETIC ACID, NITRILOTRI-                                | FEED  | M       | 002766  |
| 10.0  | 001445        | ACETIC ACID, NITRILOTRI-, TRISODIUM SALT, MONOHYDRATE   | FEED  | M       | 001445  |
| 10.1  | 003247        | ACETONHEXAMIDE                                          | FEED  | M       | 003247  |
| 11.0  | 004137        | ACRIDINE, 3,6-DIAMINO-, MONOHYDROCHLORIDE               | FEED  | M       | 004137  |
| 12.0  | 001536        | ACRONYGINE                                              | FEED  | M       | 001536  |
| 13.0  | 000044        | ALDRIN                                                  | FEED  | M       | 000044  |
| 15.0  | 001707        | ANILINE, 4,4'-THIODI-                                   | FEED  | M       | 001707  |
| 16.0  | 001730        | ANTHRANILIC ACID                                        | FEED  | M       | 001730  |
| 17.0  | 001923        | ANTHRANQUINONE, 2-METHYL-1-NITRO-                       | FEED  | M       | 001923  |
| 17.1  | 002697        | ASPIRIN, PHENACETIN AND CAFFEINE                        | FEED  | M       | 002697  |
| 18.0  | 001569        | 5-AZACYTIDINE                                           | FEED  | M       | 001569  |
| 19.0  | 000419        | BENZENE, PENTACHLORONITRO-                              | FEED  | M       | 000419  |
| 20.0  | 002664        | BIPHENYL, CHLORO-                                       | FEED  | M       | 002664  |
| 21.0  | 000077        | CAPTAN                                                  | FEED  | M       | 000077  |
| 22.0  | 000055        | CHLORAMBDEN                                             | FEED  | M       | 000055  |
| 23.0  | 000099        | CHLORDANE                                               | FEED  | M       | 000099  |
| 24.0  | 000191        | CHLORDREONE                                             | FEED  | M       | 000191  |
| 25.0  | 002686        | CHLOROFORM                                              | FEED  | M       | 002686  |
| 25.1  | 003827        | DAMINOZIDE                                              | FEED  | M       | 003827  |
| 26.0  | 001718        | DAPSONE                                                 | FEED  | M       | 001718  |
| 27.0  | 001683        | DARAPRIM                                                | FEED  | M       | 001683  |
| 28.0  | 001581        | BETA-DEOXYTHIOGUANOSINE                                 | IP/ID | M       | 001581  |
| 29.0  | 001939        | 2,4-DIAMINOBENZENE SULFATE                              | FEED  | M       | 001939  |
| 30.0  | 003269        | DIAFLAVANILIDE YELLOW                                   | FEED  | M       | 003269  |
| 31.0  | 000113        | DICHLOROVOS                                             | FEED  | M       | 000113  |
| 32.0  | 000124        | DICHLORIN                                               | FEED  | M       | 000124  |
| 33.0  | 000124        | DICHLORIN                                               | FEED  | M       | 000124  |
| 34.0  | 000599        | DICHLORIN, PHOTO-                                       | FEED  | M       | 000599  |
| 35.0  | 000135        | DIMETHOATE                                              | FEED  | M       | 000135  |
| 36.0  | 004557        | DIRECT BLACK 38                                         | FEED  | M       | 004557  |
| 37.0  | 004579        | DIRECT BLUE 6                                           | FEED  | M       | 004579  |
| 38.0  | 004568        | DIRECT BROWN 55                                         | FEED  | M       | 004568  |
| 39.0  | 001605        | EMULFIN                                                 | FEED  | M       | 001605  |
| 40.0  | 000566        | ENDOSULFAN                                              | FEED  | M       | 000566  |
| 41.0  | 004535        | ETHANE, 1,1-DICHLORO                                    | FEED  | M       | 004535  |
| 41.1  | 004604        | ETHANE, HEXACHLORO-                                     | FEED  | M       | 004604  |
| 42.0  | 004626        | ETHANE, 1,1,1-TRICHLORO-                                | FEED  | M       | 004626  |
| 42.02 | 004579        | 1,1,2, TRICHLOROETHANE                                  | FEED  | M       | 004579  |
| 43.0  | 004580        | ETHYLENE, TETRACHLORO-                                  | FEED  | M       | 004580  |
| 44.0  | 001694        | ETHIONAMIDE                                             | FEED  | M       | 001694  |
| 46.0  | 002729        | ETHIONAMIDE                                             | FEED  | M       | 002729  |
| 47.0  | 002729        | ETHIONAMIDE                                             | FEED  | M       | 002729  |

TABLE I. DATA AVAILABLE

IA TECHNICAL REPORTS PUBLISHED

61.  
62. CHEMICALS ARE ARRANGED ACCORDING TO THEIR TESTING STATUS WHICH ARE:  
63.  
64.  
65. TABLE I DATA AVAILABLE  
66. IA TECHNICAL REPORTS PUBLISHED  
67. IB NO REPORT - DATA INSUFFICIENT  
68. TABLE II BIOASSAY COMPLETE - REPORTS HAVE BEEN DRAFTED  
69. IIA REPORTS BEING PRINTED  
70. IIB REPORTS IN REVIEW  
71. TABLE III BIOASSAY HAS BEEN COMPLETED AND REPORTS ARE BEING DRAFTED  
72. TABLE IV HISTOPATHOLOGY INCOMPLETE  
73. TABLE V BIOASSAY HAS BEGUN BUT NO CHRONIC TESTING DATA ARE AVAILABLE  
74. TABLE VI CHEMICALS THAT HAVE TENTATIVELY BEEN SELECTED FOR TESTING  
75.

76.  
77. ABBREVIATIONS USED IN THIS REPORT ARE AS FOLLOWS:  
78.  
79.

80. ROUTES OF ADMINISTRATION:  
81.  
82.

83. FEED - ORALLY WITH FOOD IJ - INJECTION  
84. GAV - ORALLY BY GAVAGE IP - INTRAPERITONEAL  
85. INHAL - INHALATION SP - SKIN PAINTING  
86. WATER - ORALLY WITH WATER  
87.

88. ANIMALS SPECIES:  
89.

90.  
91. H - HAMSTER  
92. M - MOUSE  
93. R - RAT  
94.

95.  
96. SIMULTANEOUS CHEMICAL LISTINGS  
97.  
98.

99. CHEMICALS THAT APPEAR MORE THAN ONCE REPRESENT SEVERAL EXPERIMENTS.

|       |         |                                               |           |       |   |   |  |             |
|-------|---------|-----------------------------------------------|-----------|-------|---|---|--|-------------|
| 48.   | TABLE I | DATA AVAILABLE                                |           |       |   |   |  |             |
| 49.   |         |                                               |           |       |   |   |  |             |
| 50.   |         |                                               |           |       |   |   |  |             |
| 51.   |         |                                               |           |       |   |   |  |             |
| 52.   |         |                                               |           |       |   |   |  |             |
| 53.   | IA      | TECHNICAL REPORTS PUBLISHED                   |           |       |   |   |  |             |
| 54.   |         |                                               |           |       |   |   |  |             |
| 55.   |         |                                               |           |       |   |   |  |             |
| 56.   | NCI #   | CHEMICAL NAME                                 |           |       |   |   |  |             |
| 57.   |         |                                               |           |       |   |   |  |             |
| 58.   | C00180  | HEPTACHLOR                                    | 76-44-8   | FEED  | M | R |  | PB271967-AS |
| 60.   | C02653  | HEXACHLOROPHENE                               | 70-30-4   | FEED  | R |   |  | PB279525-AS |
| 61.   | C01547  | IPD                                           | 3458-22-8 | IP/IJ | M | R |  | PB277455-AS |
| 62.   | C01638  | ISOPHOSPHAMIDE                                | 3778-73-2 | IP/IJ | M | R |  | PB275677-AS |
| 63.   | C01478  | LASIOCARPINE                                  | 303-34-4  | FEED  | R |   |  | PB278641-AS |
| 64.   | C00204  | LINDANE                                       | 58-89-9   | FEED  | M | R |  | PB273480-AS |
| 65.   | C00215  | MALATHION                                     | 121-75-5  | FEED  | M | R |  | PB278527-AS |
| 66.   | C00497  | METHOXYCHLOR                                  | 72-43-5   | FEED  | M | R |  | PB278271-AS |
| 67.   | C01956  | NAPHTHALENE, 1-NITRO-                         | 86-57-7   | FEED  | M | R |  | PB282310-AS |
| 68.   | C00420  | NITROFEN                                      | 1836-75-5 | FEED  | M | R |  | PB277440-AS |
| 69.   | C01558  | PHCNESTERIN                                   | 3546-10-9 | GAV   | M | R |  | PB283361-AS |
| 70.   | C01741  | PHENFORMIN                                    | 114-86-3  | FEED  | M | R |  | PB266176-AS |
| 70.01 | C01661  | PHENOXYBENZAMINE HCL                          | 63-92-3   | IP/IJ | M | R |  | PB285095-AS |
| 70.1  | C03305  | M-PHENYLENEDIAMINE, 4-CHLORO                  | 5131-60-2 | FEED  | M | R |  | PB285201-AS |
| 71.   | C03292  | O-PHENYLENEDIAMINE, 4-CHLORO-                 | 95-83-0   | FEED  | M | R |  | PB283362-AS |
| 72.   | C00237  | PICLORAM                                      | 1918-02-1 | FEED  | M | R |  | PB276471-AS |
| 73.   | C00500  | PROPANE, 1,2-DIBROMO-3-CHLORO-                | 96-12-8   | GAV   | M | R |  | PB277472-AS |
| 74.   | C03076  | PROPIONIC ACID, 3-NITRO-                      | 504-88-1  | GAV   | M | R |  | PB281102-AS |
| 75.   | C01785  | PYRAZINECARBOXAMIDE                           | 98-96-4   | FEED  | M | R |  | PB280251-AS |
| 75.1  | C04557  | 3-SULFOLENE                                   | 77-79-2   | GAV   | M | R |  | PB284655-AS |
| 76.   | C03554  | TETRACHLOROETHANE                             | 79-34-5   | GAV   | M | R |  | PB277453-AS |
| 78.   | C00168  | TETRACHLORVINPHOS                             | 961-11-5  | FEED  | M | R |  | PB278650-AS |
| 78.01 | C03065  | THIAZOLE, 2-AMINO-5-NITRO-                    | 121-66-4  | FEED  | M | R |  | PB283346-AS |
| 78.2  | C03327  | TOLAZAMIDE                                    | 1156-19-0 | FEED  | M | R |  | PB284610-AS |
| 78.3  | C01865  | TOLUENE, 2,4-DINITRO-                         | 121-14-2  | FEED  | M | R |  | PB280990-AS |
| 80.   | C04546  | TRICHLOROETHYLENE                             | 79-01-6   | GAV   | M | R |  | PB264122-AS |
| 81.   | C00442  | TRIFLURALIN                                   | 1582-09-8 | FEED  | M | R |  | PB278610-AS |
| 82.   | C03270  | TRIS (2,3-DIBROMOPROPYL) PHOSPHATE            | 126-72-7  | FEED  | M | R |  | PB280271-AS |
| 83.   | C01763  | UREA, 1-BUTYL-3-(P-TOLYLSULFONYL)-            | 64-77-7   | FEED  | M | R |  | PB274483-AS |
| 84.   | C01752  | UREA, 1-((P-CHLOROPHENYL) SULFONYL)-3-PROPYL- | 94-20-2   | FEED  | M | R |  | PB275178-AS |
| 85.   | C04524  | UREA, N,N'-DICYCLOHEXYLTHIO-                  | 1212-29-9 | FEED  | M | R |  | PB281539-AS |
| 86.   |         |                                               |           |       |   |   |  |             |
| 87.   |         |                                               |           |       |   |   |  |             |
| 88.   |         |                                               |           |       |   |   |  |             |



24.  
25. TABLE I. DATA AVAILABLE  
26.

27. IB NO REPORT - DATA INSUFFICIENT  
28.

| 29.  | NCI #  | CHEMICAL NAME                                               | CAS #      | ROUTE | SPECIES |
|------|--------|-------------------------------------------------------------|------------|-------|---------|
| 30.  |        |                                                             |            |       |         |
| 31.  |        |                                                             |            |       |         |
| 31.1 | C02108 | ACETAMIDE                                                   | 60-35-5    | FEED  | M R     |
| 32.  | C04602 | ACTINOMYCIN D                                               | 50-76-0    | IP/IJ | M R     |
| 33.  | C02095 | ADIPAMIDE                                                   | 628-94-4   | FEED  | M R     |
| 33.1 | C01821 | ANILINE, N,N-DIMETHYL-P-NITROSO-                            | 138-89-6   | FEED  | M R     |
| 34.  | C04728 | ARABINOSYLCYTOSINE                                          | 147-94-4   | IP/IJ | M R     |
| 34.1 | C02120 | L-ARGININE GLUTAMATE                                        | 4320-30-3  | FEED  | M R     |
| 35.  | C03474 | AZATHIOPRINE                                                | 446-86-6   | IP/IJ | M R     |
| 36.  | C01592 | 1,4-BUTANEDIOL, DIMETHANESULFONATE                          | 55-98-1    | IP/IJ | M R     |
| 36.1 | C02131 | N-BUTYLUREA                                                 | 592-31-4   | FEED  | M R     |
| 37.  | C04608 | CARBANILIDE, 4,4'-DIACETYL-BIS(AMIDINOHYDRAZONE), DIMETHANE | 15427-93-7 | IP/IJ | M R     |
| 37.1 | C04591 | CARBON DISULFIDE                                            | 75-15-0    | GAV   | M R     |
| 38.  | C03485 | CHLORAMBUCIL                                                | 305-03-3   | IP/IJ | M R     |
| 39.  | C04900 | CYCLOPHOSPHAMIDE                                            | 50-10-0    | IP/IJ | M R     |
| 40.  | C04693 | DAUNOMYCIN                                                  | 1407-15-4  | IP/IJ | M R     |
| 41.  | C04933 | G,P'-DDD                                                    | 53-19-0    | IP/IJ | M R     |
| 42.  | C03667 | DIBENZO-P-DIOXIN, 2,7-DICHLORO-                             | 33857-26-0 | SP    | M       |
| 43.  | C03678 | DIBENZO-P-DIOXIN, 1,2,3,4,6,7,8,9-OCTACHLORO-               | 3268-87-9  | SP    | M       |
| 44.  | C03656 | DIBENZO-P-DIOXIN                                            | 262-12-4   | SP    | M       |
| 45.  | C04795 | DIBROMODULCITOL                                             | 10318-26-0 | IP/IJ | M R     |
| 46.  | C04762 | DIERONOMANNITOL                                             | 488-41-5   | IP/IJ | M R     |
| 47.  | C03689 | P-DIOXANE                                                   | 123-91-1   | SP    | M       |
| 47.2 | C04819 | QUAKAZOLE                                                   | 503-88-8   | IP/IJ | M R     |
| 48.  | C02142 | HEXANAMIDE                                                  | 628-02-4   | FEED  | M R     |
| 49.  | C03054 | HYDANTOIN, DICHLORODIMETHYL-                                | 118-52-5   | FEED  | M R     |
| 50.  | C04739 | HYDRAZINE, 1-ACETYL-2-PICOLINOYL-                           | 17433-31-7 | IP/IJ | M R     |
| 51.  | C04831 | HYDROXYLUREA                                                | 127-07-1   | IP/IJ | M R     |
| 52.  | C04717 | IMIDAZOLE-4-CARBOXAMIDE-5-(3,3-DIMETHYL-1-TRIAZENO)-        | 4342-03-4  | IP/IJ | M R     |
| 53.  | C01616 | IMIDAZOLE MUSTARD                                           | 5034-77-5  | IP/IJ | M R     |
| 54.  | C04853 | MELPHALAN                                                   | 148-82-3   | IP/IJ | M R     |
| 54.1 | C04886 | 6-MERCAPTOPYRINE                                            | 50-44-2    | IP/IJ | M R     |
| 55.  | C04944 | MELPHALAN                                                   |            | IP/IJ | M R     |
| 56.  | C03190 | METHANSULFON-M-ANISIDE, 4'- (9-ACRIDINYLAMINO)-, MONOHYDRO  |            | IP/IJ | M R     |
| 56.1 | C03849 | METHIOCAL SODIUM                                            | 126-31-8   | IP/IJ | M R     |
| 57.  | C04671 | METHOTREXATE                                                | 159-05-2   | IP/IJ | M R     |
| 58.  | C04875 | METHOTREXATE, DICHLORO-                                     | 528-74-5   | IP/IJ | M R     |
| 59.  | C04784 | METHYLTHICINOSINE                                           | 342-69-8   | IP/IJ | M R     |
| 60.  | C04706 | MITOMYCIN C                                                 | 50-07-7    | IP/IJ | M R     |
| 60.1 | C02084 | NITROUS ACID, SODIUM SALT                                   | 7632-00-0  | FEED  | M R     |
| 61.  | C04922 | PHOSPHORODIAMIDIC ACID, N,N-BIS(2-CHLOROETHYL)-N'-3-HYDROXY |            | IP/IJ | M R     |
| 62.  | C04897 | PREDNISONE                                                  | 53-03-2    | IP/IJ | M R     |
| 64.  | C03167 | STREPTOZOTICIN                                              | 18803-66-4 | IP/IJ | M R     |
| 64.1 | C02153 | P-TOLYLUREA                                                 | 622-51-5   | FEED  | M R     |
| 64.2 |        |                                                             |            |       |         |
| 64.3 |        |                                                             |            |       |         |
| 64.4 |        |                                                             |            |       |         |

14. TABLE I. DATA AVAILABLE

15.  
16.  
17. IF NO REPORT - DATA INSUFFICIENT

|      |        |                                                            |            |       |   |   |
|------|--------|------------------------------------------------------------|------------|-------|---|---|
| 19.1 | C04820 | URACIL MUSTARD                                             | 66-75-1    | IP/IJ | M | R |
| 19.2 | C02119 | UREA                                                       | 57-13-6    | FEED  | M | R |
| 19.3 | C04773 | UREA, 1,3-BIS (CHLOROETHYL)-1-NITROSO-                     | 154-93-8   | IP/IJ | M | R |
| 19.4 | C04740 | UREA, 1-(2-CHLOROETHYL)-3-CYCLOHEXYL-1-NITROSO-            | 13010-47-4 | IP/IJ | M | R |
| 19.5 | C04955 | UREA, N-(2-CHLOROETHYL)-N'-(4-METHYLCYCLOHEXYL)-N-NITROSO- |            | IP/IJ | M | R |
| 19.6 | C02073 | UREA, (P-ETHOXYPHENYL)-                                    | 150-69-6   | FEED  | M | R |
| 19.7 | C04842 | VINBLASTINE                                                | 865-21-4   | IP/IJ | M | R |
| 19.8 | C04864 | VINCRIStINE                                                | 57-22-7    | IP/IJ | M | R |

30.  
31. CHEMICALS MOVED TO TABLE IB SINCE LAST ISSUE

| 32. | 33. | 34. NCI # | CHEMICAL NAME | CAS # | ROUTE | SPECIES |
|-----|-----|-----------|---------------|-------|-------|---------|
| 35. |     |           |               |       |       |         |

98.  
99.  
00. PAGE 05

TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

IIA REPORTS BEING PRINTED

| NCI # | CHEMICAL NAME                                         | CAS #      | ROUTE | SPECIES |
|-------|-------------------------------------------------------|------------|-------|---------|
| 01967 | ACENAPHTHENE, 5-NITRO-                                | 602-87-9   | FEED  | R       |
| 01770 | ACETANILIDE, 4'--(CHLOROACETYL)-                      | 140-49-8   | FEED  | R       |
| 01918 | P-ACETOPHENETIDE, 3'-NITRO-                           |            | FEED  | R       |
| 04615 | ALLYL CHLORIDE                                        | 107-05-1   | GAY   | R       |
| 03736 | ANILINE CHLORIDE                                      | 142-04-1   | FEED  | R       |
| 02255 | ANILINE, 2,4-DIMETHOXY-, HYDROCHLORIDE                |            | FEED  | R       |
| 01990 | ANILINE, 4,4'-METHYLENEDIS (N,N-DIMETHYL)-            | 101-61-1   | FEED  | R       |
| 00884 | ANILIZIDE                                             | 101-05-3   | FEED  | R       |
| 03758 | P-ANISIDINE HYDROCHLORIDE                             | 20265-97-8 | FEED  | R       |
| 01934 | O-ANISIDINE, 5-NITRO-                                 | 99-59-2    | FEED  | R       |
| 03032 | ANISOLE, 2,3,5,6-TETRACHLORO-4-NITRO-                 | 2438-88-2  | FEED  | R       |
| 01945 | ANTHANILIC ACID, 4-NITRO-                             | 619-17-0   | FEED  | R       |
| 01901 | ANTHRANQUINONE, 1-AMINO-2-METHYL-                     | 82-28-0    | FEED  | R       |
| 01876 | ANTHRAQUINONE, 2-AMINO                                | 117-79-3   | FEED  | R       |
| 01912 | BENZIMIDAZOLE, 6-NITRO-                               | 94-52-0    | FEED  | R       |
| 03850 | 2-BENZOUQUINONE, DIOXINE                              | 105-11-3   | FEED  | R       |
| 03043 | CARBAZOLE, 3-AMINO-9-ETHYL-                           | 132-32-1   | FEED  | R       |
| 01898 | CARBAZOLE, 3-AMINO-9-ETHYL-, HYDROCHLORIDE            |            | FEED  | R       |
| 03805 | CARBONAL                                              | 77-65-6    | FEED  | R       |
| 00408 | CHLOROBENZILATE                                       | 510-15-6   | FEED  | R       |
| 03838 | 3-(CHLOROMETHYL)-PYRIDINE HYDROCHLORIDE               |            | GAY   | R       |
| 00533 | CHLOROPICLIN                                          | 76-06-2    | GAY   | R       |
| 03565 | C.I. VAT YELLOW 4                                     | 128-66-5   | FEED  | R       |
| 00431 | CLONITRALID                                           | 1420-04-8  | FEED  | R       |
| 02982 | P-CRESIDINE                                           | 120-71-8   | FEED  | R       |
| 03258 | CUPFERON                                              | 135-20-6   | FEED  | R       |
| 03667 | DIBENZO-P-DIOXIN, 2,7-DICHLORO-                       | 33857-26-0 | FEED  | R       |
| 03656 | DIBENZO-P-DIOXIN                                      | 262-12-4   | FEED  | R       |
| 02028 | DIBUTYL DIACETATE                                     | 1067-33-0  | FEED  | R       |
| 02244 | DIPHENYLAMINE, 4-NITROSO-                             | 156-10-5   | FEED  | R       |
| 03009 | 2,5-DITHIOBIUREA                                      | 142-46-1   | FEED  | R       |
| 00157 | ENDURIN                                               | 72-20-8    | FEED  | R       |
| 00511 | ETHANE, 1,2-DICHLORO-                                 | 107-06-2   | GAY   | R       |
| 03010 | FORMULATED FENAMINOSULF                               | 547-58-0   | FEED  | R       |
| 01854 | HYDRAZINE, 1,2-DIPHENYL-                              | 122-66-7   | FEED  | R       |
| 01627 | ICRF-159                                              |            | IP/ID | R       |
| 02175 | ISOCYANIC ACID, 3,3'-DIMETHOXY-4,4'-BIPHENYLENE ESTER | 91-93-0    | FEED  | R       |
| 03861 | LITHOCHOLIC ACID                                      | 434-13-9   | GAY   | R       |
| 09000 | MENTHOL, DL                                           | 89-78-1    | FEED  | R       |
| 00544 | MEXACABATE                                            | 315-18-4   | FEED  | R       |
| 02006 | NICOTER'S KETONE                                      | 90-94-8    | FEED  | R       |

58.

59.

TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

60.

61.

62.

IIA REPORTS BEING PRINTED

63.

64.

64.01

C03021

1,5-NAPHTHALENEDIAMINE

2243-62-1

FEED

M

R

64.02

C03281

N-1-NAPHTHYLETHYLENEDIAMINE DIHYDROCHLORIDE

1465-25-4

FEED

M

R

64.03

C03792

NITHAZIDE

139-94-6

FEED

M

R

64.04

C00420

NITROFEN

1836-75-5

FEED

M

R

64.05

C03952

NORPHENAZONE

89-25-8

FEED

M

R

64.06

C00226

PARATHION

56-38-2

FEED

M

R

64.07

C03930

P-PHENYLENEDIAMINE, DIHYDROCHLORIDE

624-18-0

FEED

M

R

64.08

C03941

O-PHENYLENEDIAMINE, 4-NITRO-

99-56-9

FEED

M

R

64.09

C02222

P-PHENYLENEDIAMINE, 2-NITRO-

5307-14-2

FEED

M

R

64.1

C00586

PHOSPHAMIDON

13171-21-6

FEED

M

R

64.11

C02813

PIPERONYL BUTOXIDE

51-03-6

FEED

M

R

64.12

C02824

PIPERONYL SULFOXIDE

120-62-7

FEED

M

R

64.13

C04126

PIVALOLACTONE

1955-45-9

GAV

M

R

64.14

C01810

PROCARBAZINE HYDROCHLORIDE

366-70-1

IP/IJ

M

R

64.16

C03907

PYRIDINE, 2-(CHLOROMETHYL)-, HYDROCHLORIDE

GAV

M

R

64.17

C02200

STYRENE

100-42-5

GAV

M

R

64.18

C02211

STYRENE, BETA-NITRO-

102-96-5

GAV

M

R

64.19

C50022

SULFISONAZOLE

127-69-5

GAV

M

R

64.2

C04240

TITANIUM DIOXIDE

13463-67-7

FEED

M

R

64.21

C01832

TOLUENE-2,5-DIAMINE, SULFATE

6369-59-1

FEED

M

R

64.22

C02040

P-TOLUIDINE, 3-CHLORO-

95-74-9

FEED

M

R

64.23

C02051

O-TOLUIDINE, 5-CHLORO-

95-79-4

FEED

M

R

64.24

C00259

TOXAPHENE

8001-35-2

FEED

M

R

64.25

C00260

TRIPHENYL TIN HYDROXIDE

76-87-9

FEED

M

R

64.26

C03816

UREA, 1,3-DIETHYL-2-THIO-

105-55-5

FEED

M

R

64.27

C02017

UREA, 1-PHENYL-2-THIO-

103-85-5

FEED

M

R

64.28

C02186

UREA, 1,1,3-TRIMETHYL-2-THIO-

2489-77-2

FEED

M

R

65.

66.

NCI # CHEMICAL NAME

CAS #

ROUTE

SPECIES

67.

72.

73.

75.

CHEMICALS MOVED FROM TABLE IIB SINCE LAST ISSUE

76.

77.

78.

86.

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442.

443.

## TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

444.

445.

446.

## IIB REPORTS IN REVIEW

447.

448.

449.

NCI # CHEMICAL NAME

CAS #

ROUTE

SPECIES

450.

451.

C08640 ALDICARB

116-06-3

FEED

M

R

451.1

C02960 AMMONIUM, (2-CHLOROETHYL) TRIMETHYL-, CHLORIDE

999-81-5

FEED

M

R

451.11

C07039 ANILINE, P-CHLORO-

106-47-8

FEED

M

R

451.2

C02926 AZOBENZENE

103-33-3

FEED

M

R

452.

C08662 COUMAPHOS

56-72-4

FEED

M

R

453.

C50055 DIMETHYL TEREPHTHALATE

120-61-6

FEED

M

R

453.1

C02880 DIPHENYLAMINE, N-NITROSO-

86-30-6

FEED

M

R

454.

C02968 ETHANE, 1,1-DICHLORO-2,2-BIS(P-ETHYLPHENYL)-

72-56-0

FEED

M

R

455.

C02857 ETHYL TELLURAC

30145-38-1

FEED

M

R

455.1

C02959 ETHYL TUADS

14239-68-0

FEED

M

R

456.

C08651 FENTHION

55-38-9

FEED

M

R

457.

C02891 LEDATE

19010-66-3

FEED

M

R

457.1

C02971 METHYL PARATHION

298-00-0

FEED

M

R

457.2

C02904 PHENOL, 2,4,6-TRICHLORO-

88-06-2

FEED

M

R

458.

C03601 PHTHALIC ANHYDRIDE

85-44-9

FEED

M

R

458.1

C02835 SODIUM DIMETHYLDITHIOCARBAMATE

128-04-1

FEED

M

R

459.

C02335 O-TOLUIDINE HYDROCHLORIDE

636-21-5

FEED

M

R

460.

462.

## CHEMICALS MOVED FROM TABLE III SINCE LAST ISSUE

463.

464.

C02299 ANILINE, 2,4,5-TRIMETHYL-

137-17-7

FEED

M

R

465.

C02937 CALCIUM CARBIMIDE

156-62-7

FEED

M

R

465.1

C03598 P-CRESOL, 2,6-DI-TERT-BUTYL-

128-37-0

FEED

M

R

465.2

C03673 DIAZINON

333-41-5

FEED

M

R

466.

C03612 PHTHALAMIDE

88-96-0

FEED

M

R

467.

C02302 TOLUENE-2,4-DIAMINE

95-80-7

FEED

M

R

467.1

C02368 O-TOLUIDINE, 4-CHLORO-, HYDROCHLORIDE

3165-93-3

FEED

M

R

473.

474.

475.

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476.  
477. TABLE IIIA. BIOASSAY HAS BEEN COMPLETED -- REPORTS ARE BEING DRAFTED  
478.

|       | NCI #  | CHEMICAL NAME                             | CAS #     | ROUTE | SPECIES |
|-------|--------|-------------------------------------------|-----------|-------|---------|
| 479.  |        |                                           |           |       |         |
| 480.  |        |                                           |           |       |         |
| 481.  |        |                                           |           |       |         |
| 482.  | C03703 | DIBENZO-P-DIOXIN, 1,2,3,6,7,8-HEXACHLORO- |           | SP    | M       |
| 482.1 | C03703 | DIBENZO-P-DIOXIN, 1,2,3,6,7,8-HEXACHLORO- |           | GAV   | M R     |
| 482.2 | C03714 | DIBENZO-P-DIOXIN, 2,3,7,8-TETRACHLORO-    | 1746-01-6 | SP    | M       |
| 482.3 | C03714 | DIBENZO-P-DIOXIN, 2,3,7,8-TETRACHLORO-    | 1746-01-6 | GAV   | N R     |
| 483.  | C50044 | ETHER, BIS(2-CHLORO-1-METHYLETHYL)        | 108-60-1  | GAV   | M       |
| 483.1 | C50044 | ETHER, BIS(2-CHLORO-1-METHYLETHYL)        | 108-60-1  | GAV   | R       |
| 484.  | C00215 | MALATHION                                 | 121-75-5  | FEED  | M R     |
| 488.  |        |                                           |           |       |         |

489.  
490. CHEMICALS MOVED FROM TABLE IV SINCE LAST ISSUE  
492.

493.  
494. C08628 MALATHION-O-ANALOG 1634-78-2 FEED H R  
499.

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502.  
503. PAGE 09

TABLE IIIB. BIOASSAY HAS BEEN COMPLETED

| NCI #            | CHEMICAL NAME                          | CAS #      | ROUTE | SPECIES |
|------------------|----------------------------------------|------------|-------|---------|
| POSITIVE CONTROL |                                        |            |       |         |
| C00384           | ACETAMIDE, N-FLUOREN-2-YL-             | 53-96-3    | FEED  | M R     |
| C03349           | ACETONHYDROXAMIC ACID, N-FLUOREN-2-YL- | 53-95-2    | FEED  | R       |
| C01456           | AFLATOXIN B1                           | 1162-65-8  | FEED  | R       |
| C01434           | 1-BUTANOL, 4-(BUTYLNITROSAMINO)-       | 3817-11-6  | FEED  | B       |
| C03452           | CARBON TETRACHLORIDE                   | 56-23-5    | GAV   | M B     |
| C01467           | CYCASIN                                | 14901-08-7 | FEED  | R       |
| C02700           | DIPENTYLAMINE, N-NITROSO-              | 13256-06-9 | FEED  | R       |
| C01423           | GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO- | 70-25-7    | FEED  | R       |
| C01489           | LEAD ACETATE                           | 301-04-2   | FEED  | R       |
| C00362           | SAPROLE                                | 94-59-7    | FEED  | R M     |
| C00373           | S-TRIAZOLE, 3-AMINO-                   | 61-82-5    | FEED  | M R     |
| C01490           | URACIL, 2-THIO-                        | 141-90-2   | FEED  | R       |

47.  
48. TABLE IV. HISTOPATHOLOGY INCOMPLETE  
49.

| 50. | NCI #  | CHEMICAL NAME             | CAS #      | ROUTE | SPECIES |
|-----|--------|---------------------------|------------|-------|---------|
| 51. | C01514 | ADRIAMYCIN                | 23214-92-8 | IP/IJ | M R     |
| 52. | C54808 | ASCORBIC ACID             | 50-81-7    | FEED  |         |
| 53. | C50011 | BENZOL                    | 119-53-9   | FEED  | M R     |
| 54. | C50282 | 2-BIPHENYLAMINE           | 90-41-5    | FEED  | M R     |
| 55. | C50646 | CAPROLACTAM               | 105-60-2   | FEED  | M R     |
| 56. | C03510 | CINNANYL ANTHRANILATE     | 87-29-6    | FEED  | M R     |
| 57. | C54262 | 1,1-DICHLOROETHYLENE      | 75-35-4    | GAV   | M R     |
| 58. | C04580 | ETHYLENE, TETRACHLORO-    | 127-18-4   | INHAL | M R     |
| 59. | C08695 | FLUOMETURON               | 2164-17-2  | FEED  | M       |
| 60. | C50259 | HEXAMETHYLMELAMINE        | 645-05-6   | IP/IJ | M R     |
| 61. | C53838 | ORANGE G                  | 1936-15-8  | FEED  | M R     |
| 62. | C50146 | 4,4'-OXYDIANILINE         | 101-80-4   | FEED  | M R     |
| 63. | C53894 | PENTACHLOROETHANE         | 76-01-7    | GAV   | M R     |
| 64. | C50124 | PHENOL                    | 108-95-2   | WATER | M       |
| 65. | C50157 | RESERPINE                 | 50-55-5    | FEED  | M R     |
| 66. | C50033 | SELENIUM SULFIDE          | 7488-56-4  | GAV   | M R     |
| 67. | C54546 | SELSUN                    |            | SP    | M       |
| 68. | C53907 | SUN YELLOW PCF            | 2783-94-0  | FEED  | M R     |
| 69. | C52459 | 1,1,1,2-TETRACHLOROETHANE |            | GAV   | M R     |

70. CHEMICALS MOVED FROM TABLE V SINCE LAST ISSUE  
71.  
72.  
73.  
74.  
75.  
76.  
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|     |        |                                     |          |       |     |
|-----|--------|-------------------------------------|----------|-------|-----|
| 79. | C00500 | DBCP                                |          | INHAL |     |
| 80. | C00522 | ETHANE, 1,2-DIBROMO-                | 106-93-4 | INHAL | M R |
| 81. | C50317 | TOLUENE-2,6-DIAMINE DIHYDROCHLORIDE |          | FEED  | M R |

588.  
589. TABLE V. BIOASSAY TESTING HAS BEGUN BUT NO DATA ARE AVAILABLE  
590.

| 591.  | NCI #  | CHEMICAL NAME                     | CAS #      | ROUTE | SPECIES |
|-------|--------|-----------------------------------|------------|-------|---------|
| 592.  |        |                                   |            |       |         |
| 593.  |        |                                   |            |       |         |
| 594.  | C05732 | AEROZINE 50                       | 57-14-7    | INHAL | M       |
| 595.  | C50475 | AGAR AGAR                         | 9002-18-0  | FEED  | M R     |
| 596.  | C08899 | AGARITINE                         | 2757-90-6  | WATER | M R     |
| 597.  | C50464 | ALLYL ISOTHIOCYANATE              | 57-06-7    | GAV   | M R     |
| 598.  | C50413 | AMINO UNDECANOIC ACID             | 27323-47-3 | FEED  | M R     |
| 599.  | C06160 | BENZYL CHLORIDE                   | 100-44-7   | IP/IJ | B       |
| 600.  | C50635 | DISPHENOL A                       | 80-05-7    | FEED  | M R     |
| 601.  | C50602 | 1,3-BUTADIENE                     | 106-99-0   | INHAL | M R     |
| 602.  | C54375 | BUTYL BENZYL PHTHALATE            | 85-68-7    | FEED  | M R     |
| 603.  | C53849 | CARNOISINE                        | 3567-69-9  | FEED  | M       |
| 604.  | C08639 | GAMMA-CHLORDANE                   | 12789-03-6 | FEED  | M R     |
| 605.  | C06871 | CHLORDANE, ALPHA ISOMER           | 5103-71-9  | FEED  | M R     |
| 606.  | C53781 | C.I. DISPERSE YELLOW 3            | 2832-40-8  | FEED  | M R     |
| 607.  | C55005 | CYCLOHEXANONE                     | 108-94-1   | WATER | M R     |
| 608.  | C53792 | D AND C RED NO. 9                 | 5160-02-1  | FEED  | M R     |
| 609.  | C50657 | DIALLYLPHTHALATE                  | 131-17-9   | GAV   | M R     |
| 610.  | C50260 | 1,4-DIAMINO-2,6-DICHLOROBENZENE   |            | FEED  | M R     |
| 611.  | C51581 | CIS-1,2-DICHLOROETHYLENE          | 156-59-2   | GAV   | M R     |
| 612.  | C54591 | TRANS-1,2-DICHLOROETHYLENE        |            | GAV   | M R     |
| 613.  | C54386 | DI(2-ETHYLHEXYL)ADIPATE           | 103-23-1   | FEED  | M R     |
| 614.  | C52733 | DI(2-ETHYLHEXYL)PHTHALATE         | 117-81-7   | FEED  | M R     |
| 615.  | C50668 | 4,4'-DIPHENYLMETHANE DIISOCYANATE | 101-68-8   | GAV   | M R     |
| 617.  | C04626 | ETHANE, 1,1,1-TRICHLORO-          | 71-55-6    | GAV   | M R     |
| 618.  | C50384 | ETHYL ACRYLATE                    | 140-88-5   | GAV   | M R     |
| 619.  | C50135 | ETHYLENE CHLOROHYDRIN             | 107-07-3   | SP    | M       |
| 620.  | C50453 | EUGENOL                           | 97-53-0    | FEED  | M R     |
| 621.  | C50395 | GUAR GUM                          | 9000-30-0  | FEED  | M R     |
| 622.  | C50748 | GUM ARABIC                        | 9000-01-5  | FEED  | M R     |
| 623.  | C54364 | GUM TARA                          |            | FEED  | R       |
| 624.  | C06893 | HEPTACHLOREPPOXIDE                | 1024-57-3  | FEED  | M R     |
| 625.  | C50419 | LOCUST BEAN GUM                   | 9000-40-2  | FEED  | M R     |
| 626.  | C50362 | MANNITOL                          | 69-65-8    | FEED  | M R     |
| 627.  | C50715 | MELAMINE                          | 108-78-1   | FEED  | M R     |
| 627.1 | C09018 | METHAPYRILENE                     | 91-80-5    | FEED  | M R     |
| 628.  | C09018 | METHAPYRILENE                     | 91-80-5    | FEED  | M R     |
| 629.  | C54604 | 4,4'-METHYLENEDIANILINE 2HCL      | 101-77-9   | FEED  | M R     |
| 630.  | C50102 | METHYLENE CHLORIDE                | 75-09-2    | GAV   | M R     |
| 631.  | C50680 | METHYL METHACRYLATE               | 80-62-6    | INHAL | M R     |
| 632.  | C06428 | NINEX                             | 2385-85-5  | FEED  | M R     |
| 633.  | C08902 | NITROPURANTCIN                    | 57-20-9    | FEED  | M R     |
| 634.  |        |                                   |            |       |         |
| 635.  |        |                                   |            |       |         |
| 636.  |        |                                   |            |       |         |
| 637.  |        |                                   |            |       |         |
| 638.  |        |                                   |            |       |         |
| 639.  |        |                                   |            |       |         |
| 640.  |        |                                   |            |       |         |
| 641.  |        |                                   |            |       |         |

42.  
43. TABLE V. BIOASSAY TESTING HAS BEGUN BUT NO DATA ARE AVAILABLE  
44.

| 45.    | NCI #                                          | CHEMICAL NAME                                    | CAS #      | ROUTE | SPECIES |
|--------|------------------------------------------------|--------------------------------------------------|------------|-------|---------|
| 46.    |                                                |                                                  |            |       |         |
| 47.    |                                                |                                                  |            |       |         |
| 48.    | C53838                                         | ORANGE G                                         | 1936-15-8  | FEED  | M       |
| 49.    | C50124                                         | PHENOL                                           | 108-95-2   | INHAL | M       |
| 50.    | C55414                                         | PHENYLBUTAZONE                                   |            | WATER | M R     |
| 51.    | C50077                                         | PROPYLENE                                        | 115-07-1   | INHAL | M R     |
| 52.    | C50099                                         | PROPYLENE OXIDE                                  | 75-56-9    | INHAL | M R     |
| 53.    | C50588                                         | PROPYL GALLATE                                   | 121-79-9   | FEED  | M R     |
| 54.    | C04035                                         | RANDOX                                           | 93-71-0    | FEED  | M R     |
| 55.    | C02722                                         | STANNOUS CHLORIDE                                | 7772-99-8  | FEED  | M R     |
| 56.    | C54977                                         | STYRENE OXIDE                                    | 96-09-3    | GAV   | M R     |
| 57.    | C53929                                         | SUDAN 1                                          | 842-07-9   | FEED  | M R     |
| 58.    | C53907                                         | SUN YELLOW PCF                                   | 2783-94-0  | FEED  | M       |
| 59.    | C03985                                         | TELONE                                           | 542-75-6   | GAV   | M R     |
| 60.    | C50533                                         | TOLUENE 2,4-DIISOCYANATE                         | 584-84-9   | GAV   | M R     |
| 61.    | C04546                                         | TRICHLOROETHYLENE                                | 79-01-6    | GAV   | M       |
| 62.    | C50226                                         | ZEARALENONE                                      | 7645-23-0  | FEED  | M R     |
| 63.    | C50442                                         | ZIRAH                                            | 137-30-4   | FEED  | M R     |
| 64.    |                                                |                                                  |            |       |         |
| 65.    |                                                |                                                  |            |       |         |
| 66.    |                                                |                                                  |            |       |         |
| 67.    |                                                |                                                  |            |       |         |
| 68.    |                                                |                                                  |            |       |         |
| 68.1   | CHEMICALS MOVED FROM TABLE VI SINCE LAST ISSUE |                                                  |            |       |         |
| 68.2   |                                                |                                                  |            |       |         |
| 69.    |                                                |                                                  |            |       |         |
| 69.01  | C54911                                         | ACID ORANGE #3                                   |            | FEED  |         |
| 69.02  | C54717                                         | ALLYL ISOVALERATE                                | 2835-39-4  | GAV   |         |
| 69.03  | C50179                                         | AMYL NITRITE                                     | 110-46-3   | GAV   |         |
| 69.04  | C06508                                         | BENZYL ACETATE                                   | 140-11-4   | GAV   |         |
| 69.05  | C55130                                         | BROMOFORM                                        | 75-25-2    | GAV   |         |
| 69.06  | C55367                                         | T-BUTYL ALCOHOL                                  | 75-65-0    | WATER |         |
| 69.07  | C55163                                         | CASTOR OIL                                       | 8001-79-4  | FEED  |         |
| 69.08  | C55254                                         | CHLORODIBROMOMETHANE                             | 124-48-1   | GAV   |         |
| 69.09  | C54820                                         | 3-CHLORO-2-METHYLPROPENE                         | 563-47-3   | GAV   |         |
| 69.1   | C55265                                         | CHLORPHENIRAMINE MALEATE                         | 113-92-8   | FEED  |         |
| 69.11  | C55312                                         | COCONUT OIL ACID DIETHANOLAMINE (CONDENSATE 2/1) |            | SP    |         |
| 69.12  | C50737                                         | CYTEMBENA                                        | 2126-70-7  | IP/IT |         |
| 69.13  | C54944                                         | O-DICHLOROBENZENE                                | 95-50-1    | GAV   |         |
| 69.14  | C54955                                         | P-DICHLOROBENZENE                                | 106-46-7   | GAV   |         |
| 69.15  | C55141                                         | 1,2-DICHLOROPROPANE                              | 78-87-5    | GAV   |         |
| 69.16  | C55174                                         | DIETHANOLAMINE                                   | 111-42-2   | WATER |         |
| 69.17  | C54966                                         | DIGLYCIDYLRESORCINOL ETHER                       |            |       |         |
| 69.18  | C55129                                         | N,N-DIMETHYLDODECYLAMINE OXIDE                   | 1643-20-5  |       |         |
| 69.19  | C54773                                         | DIMETHYLHYDROGENPHOSPHITE                        |            | GAV   |         |
| 69.2   | C54762                                         | DIMETHYL METHYLPHOSPHONATE                       |            | GAV   |         |
| 69.21  | C54740                                         | DIMETHYLMORPHOLINOPHOSPHONATE                    |            | GAV   |         |
| 69.22  | C54819                                         | DIMETHYL VINYLCHLORIDE                           | 513-37-1   | GAV   |         |
| 69.23  | C54900                                         | DISPERSE BLUE #1                                 | 2475-45-8  | FEED  |         |
| 69.231 | C54875                                         | DODECYL ALCOHOL, ETHOXYLATED                     |            | FEED  |         |
| 69.24  | C54853                                         | ETHYLENE GLYCOL MONOETHYL ETHER                  | 110-80-5   | WATER |         |
| 69.25  | C54706                                         | FLUORESCIN, DISODIUM SALT                        | 518-47-8   | WATER |         |
| 69.26  | C54728                                         | GERANYL ACETATE                                  | 105-87-3   | GAV   |         |
|        |                                                |                                                  | 12002-43-6 | SP    |         |

69.273  
69.274 TABLE V. BIOASSAY TESTING HAS BEGUN BUT NO DATA ARE AVAILABLE  
69.275

69.276  
69.277 CHEMICALS MOVED FROM TABLE VI SINCE LAST ISSUE  
69.278

|        |        |                                             |            |       |
|--------|--------|---------------------------------------------|------------|-------|
| 69.279 |        |                                             |            |       |
| 69.28  | C54897 | HC BLUE #2                                  |            | FEED  |
| 69.29  | C54922 | HC RED #3                                   |            | FEED  |
| 69.3   | C55298 | 8-HYDROXYQUINOLINE                          | 148-24-3   | FEED  |
| 69.31  | C55323 | LAURIC ACID DIETHANOLAMINE (CONDENSATE 1/1) | 120-40-1   | SP    |
| 69.32  | C54660 | MALEIC HYDRAZIDE DIETHANOLAMINE SALT        | 5716-15-4  | WATER |
| 69.33  | C54142 | MALONALDEHYDE                               | 542-78-9   | GAV   |
| 69.34  | C54626 | MOLYBDATE ORANGE                            | 12213-61-5 | FEED  |
| 69.35  | C02846 | MONURON                                     | 150-68-5   | FEED  |
| 69.36  | C02915 | 2-NAPHTHYLAMINE, N-PHENYL-                  | 135-88-6   | FEED  |
| 69.37  | C54784 | NAVY FUELS JP-5 (PETROLEUM DERIVED)         |            | SPIG  |
| 69.38  | C55334 | OLEIC ACID DIETHANOLAMINE (CONDENSATE 1/1)  |            | SP    |
| 69.39  | C55209 | OXALIC ACID                                 | 144-62-7   | FEED  |
| 69.4   | C54933 | PENTACHLOROPHENOL                           | 87-86-5    | FEED  |
| 69.41  | C54637 | PHTHALOCYANINE GREEN                        | 1328-53-6  |       |
| 69.42  | C55301 | PYRIDINE                                    |            | GAV   |
| 69.43  | C54739 | P-ROSANILINE                                | 569-61-9   | FEED  |
| 69.44  | C55210 | ROTENONE                                    | 83-79-4    | FEED  |
| 69.45  | C50191 | SODIUM DODECYL SULFATE                      | 151-21-3   | FEED  |
| 69.46  | C50204 | SODIUM (2-ETHYLHEXYL) ALCOHOL SULFATE       | 126-92-1   | FEED  |
| 69.47  | C55221 | SODIUM FLUORIDE                             | 7681-49-4  | WATER |
| 69.48  | C54988 | TETRAETHYL LEAD                             | 78-00-2    | GAV   |
| 69.49  | C55061 | THPC                                        | 124-64-1   | FEED  |
| 69.5   | C55050 | THPS                                        |            | FEED  |
| 69.51  | C54831 | TRICHLORFON                                 | 52-68-6    | FEED  |
| 69.52  | C54751 | TRIS (2-ETHYLHEXYL) PHOSPHATE               | 78-42-2    | GAV   |
| 69.53  | C54999 | VINYLCYCLOHEXENE                            |            | GAV   |
| 69.54  | C54659 | VIOLET 3                                    |            | FEED  |
| 69.55  | C55232 | XYLENES                                     | 1330-20-7  | GAV   |

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TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING:

|       | NCI #  | CHEMICAL NAME                                             | CAS #      | ROUTE | SPECIES |
|-------|--------|-----------------------------------------------------------|------------|-------|---------|
| 190.  |        |                                                           |            |       |         |
| 191.  |        |                                                           |            |       |         |
| 192.  |        |                                                           |            |       |         |
| 194.  | C50215 | ACRYLONITRILE                                             | 107-13-1   |       |         |
| 196.  | C55458 | 1-AMINO-2,4-DIBROMOANTHRAQUINONE                          |            |       |         |
| 196.1 |        | 2-AMINO-4-NITROPHENOL                                     |            |       |         |
| 196.2 |        | 2-AMINO-5-NITROPHENOL                                     |            |       |         |
| 197.  | C55710 | AMPHETAMINE                                               |            |       |         |
| 199.  | C55152 | ANTIMONY OXIDE                                            | 1309-64-4  |       |         |
| 199.1 |        | AZODICARBONAMIDE                                          |            |       |         |
| 200.  | C55276 | BENZENE                                                   | 71-43-2    | GAV   |         |
| 202.  | C06111 | BENZYL ALCOHOL                                            |            |       |         |
| 203.  | C55516 | 2,2-BIS (BROMOETHYL)-1,3-PROPANEDIOL                      |            |       |         |
| 204.  | C04159 | N',N'-BIS (2-HYDROXYETHYL)-N-METHYL-2-NITRO-P-PHENYLENEDI |            |       |         |
| 205.  | C54615 | BLU 2 15B                                                 | 574-93-6   | FEED  |         |
| 206.  | C55492 | BROMOBENZENE                                              |            |       |         |
| 207.  | C55243 | BROMODICHLOROMETHANE                                      | 75-27-4    | GAV   |         |
| 209.  | C50522 | 1,3-BUTADIENE, 2-CHLORO-                                  | 126-99-8   |       |         |
| 210.  | C55447 | 2-BUTANONE PEROXIDE                                       |            |       |         |
| 211.  |        | BETA-CADINENE                                             |            |       |         |
| 213.  | C55072 | CHLORENDIC ACID                                           | 115-28-6   |       |         |
| 214.  | C55754 | CHLORINATED TRISODIUM PHOSPHATE                           |            |       |         |
| 215.  | C55107 | CHLOROACETOPHENONE (CN)                                   | 532-27-4   |       |         |
| 216.  | C55709 | CHLOROAMPHENICOL                                          |            |       |         |
| 216.1 |        | P-CHLOROANILINE                                           |            |       |         |
| 217.  | C55118 | CHLOROBENZALMALONONITRILE AND HEXAMETHYLDISILIZANE (CS2)  |            |       |         |
| 218.  | C54886 | CHLOROBENZENE                                             | 108-90-7   |       |         |
| 221.  | C53543 | CHLOROWAX 40                                              | 51990-12-6 |       |         |
| 222.  | C53587 | CHLOROWAX 500C                                            | 56509-64-9 |       |         |
| 224.  |        | CHLORPROXAZINE                                            |            |       |         |
| 227.  | C55287 | DECABROMODIPHENYL OXIDE                                   | 1163-19-5  |       |         |
| 228.  | C50168 | DEODORIZED WINTERIZED COTTONSEED OIL                      |            |       |         |
| 229.  | C54795 | DFM                                                       |            |       |         |
| 230.  | C55436 | 2,3-DIBROMO-1-PROPANOL                                    |            |       |         |
| 233.  |        | CIS-DICHLORODIAMINE PLATINUM (II)                         |            |       |         |
| 234.  | C55345 | 2,4-DICHLOROPHENOL                                        | 120-83-2   | FEED  |         |
| 237.  | C00271 | DIETHYLNITROSAMINE                                        | 55-18-5    |       | H       |

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TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING:

| 44.  | NCI #  | CHEMICAL NAME               | CAS #     | ROUTE | SPECIES |
|------|--------|-----------------------------|-----------|-------|---------|
| 45.  |        |                             |           |       |         |
| 46.  |        |                             |           |       |         |
| 54.  | C55652 | EPHEDRINE                   |           |       |         |
| 55.  | C07001 | ALPHA-EPICHLOROHYDRIN       | 106-89-8  | INHAL | M R     |
| 56.  | C55663 | EPINEPHRINE                 |           |       |         |
| 57.  | C55527 | 1,2-EPOXYBUTANE             |           |       |         |
| 58.  | C55538 | 1,2-EPOXYHEXADECANE         |           |       |         |
| 59.  | C55674 | ERYTHROMYCIN                |           |       |         |
| 60.  | C00522 | ETHANE, 1,2-DIBROMO-        | 106-93-4  |       |         |
| 61.  | C06213 | ETHYL BROMIDE               |           |       |         |
| 62.  | C50066 | ETHYLENE                    | 74-85-1   |       |         |
| 65.  | C50088 | ETHYLENE OXIDE              | 75-21-8   | INHAL | M R     |
| 67.  | C02799 | FORMALDEHYDE                | 50-00-0   | INHAL | M R     |
| 67.1 |        | FUROSEMIDE                  |           |       |         |
| 70.  | C55425 | GLUTAFALDEHYDE              |           |       |         |
| 71.  | C55549 | GLYCIDOL                    |           |       |         |
| 74.  | C55607 | HEXACHLOROCYCLOPENTADIENE   |           |       |         |
| 74.1 |        | HEXAMETHYL-P-ROSANILINE     |           |       |         |
| 75.  |        | HEXYLRESORCINOL             |           |       |         |
| 76.  |        | HYDROCHLOROTHIAZIDE         |           |       |         |
| 77.  | C55618 | ISOPHOSONE                  |           |       |         |
| 78.  | C55630 | ISOPROTERENOL HCL           |           |       |         |
| 80.  | C55572 | D-LINGENE                   |           |       |         |
| 81.  | C54648 | LITHOL RUBINE               | 5281-04-9 |       |         |
| 84.  | C55685 | ALPHA-METHYL BENZYL ALCOHOL |           |       |         |
| 85.  | C00726 | 20-METHYLCHOLANTHRENE       | 56-49-5   |       | R       |
| 86.  | C55721 | METHYL-DOPA                 |           |       |         |
| 87.  | C55594 | METHYL CARBAMATE            |           |       |         |
| 88.  | C55629 | METHYL CHLORIDE             |           |       |         |
| 89.  | C50102 | METHYLENE CHLORIDE          | 75-09-2   | INHAL | M R     |
| 90.  | C55550 | METHAPYRILENE               |           |       |         |
| 93.  | C02164 | MORPHOLINE, 4-NITROSO-      | 59-89-2   |       |         |
| 96.  |        |                             |           |       |         |

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37.  
38. TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING:  
39.

| 40. | NCI #  | CHEMICAL NAME                                           | CAS #      | ROUTE | SPECIES |
|-----|--------|---------------------------------------------------------|------------|-------|---------|
| 41. |        |                                                         |            |       |         |
| 42. |        |                                                         |            |       |         |
| 43. | C55049 | NAVY FUELS JP-5 (SHALE OIL DERIVED)                     |            |       |         |
| 44. | C00806 | NITROGEN DIOXIDE                                        | 10102-44-0 |       | H       |
| 45. | C05050 | N-NITROSODIMETHYLAMINE                                  | 62-75-9    |       |         |
| 46. | C55583 | N-NITROSODIETHANOLAMINE                                 |            |       |         |
| 47. | C50180 | NITROUS ACID, ETHYL ESTER                               | 109-95-5   |       |         |
| 48. | C02084 | NITROUS ACID, SODIUM SALT                               | 7632-00-0  |       |         |
| 49. | C54530 | NON-DEODORIZED WINTERIZED COTTONSEED OIL                |            |       |         |
| 50. | C55439 | ORGANIDIN                                               |            |       |         |
| 51. | C08935 | PARAFFIN OIL                                            | 8012-95-1  |       |         |
| 52. | C55743 | PENTALRITHRITOL TETRANITRATE                            |            |       |         |
| 53. | C55641 | PHENCLEPHRINE HCL                                       |            |       |         |
| 54. |        | PHENYTOIN SODIUM                                        |            |       |         |
| 55. | C00237 | PICLORAN                                                |            |       |         |
| 56. | C50339 | RAUWOLFIA SERPENTINA                                    | 8063-17-0  |       |         |
| 57. | C50566 | SIMETHICONE                                             | 8050-81-5  |       |         |
| 58. | C55505 | SODIUM ALUMINOSILICATE                                  |            |       |         |
| 59. | C55732 | SODIUM DICHLOROISOCYANURATE                             |            |       |         |
| 60. | C55696 | SUCCINIC ANHYDRIDE                                      |            |       |         |
| 61. | C55561 | TETRACYCLINE HYDROCHLORIDE                              |            |       |         |
| 62. |        | TETRANITRONETHANE                                       |            |       |         |
| 63. | C04546 | TRICHLOROETHYLENE                                       | 79-01-6    | GAZ   | B       |
| 64. | C03327 | UREA, 1-(HEXAHYDRO-1H-AZEPIN-1-YL)-3-(P-TOLYLSULFONYL)- | 1156-19-0  |       |         |
| 65. | C50373 | VINYLBROMIDE                                            | 593-60-2   | INHAL | M B     |
| 66. | C55470 | WOLLASTONITE                                            |            |       |         |
| 67. |        | HC YELLOW NO. 4                                         |            |       |         |

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69.  
70. CHEMICALS ADDED TO TABLE VI SINCE LAST ISSUE  
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|     |        |                         |  |  |  |
|-----|--------|-------------------------|--|--|--|
| 73. | C55903 | 8-METHOXYPSORALEN       |  |  |  |
| 74. |        | NITROFURACONE           |  |  |  |
| 75. |        | DIPHENHYDRAMINE HCL     |  |  |  |
| 76. |        | AMPICILLIN              |  |  |  |
| 77. |        | PROBENECID              |  |  |  |
| 78. |        | BENZATHINE PENICILLIN G |  |  |  |
| 79. |        | CINNAMALDEHYDE          |  |  |  |
| 80. |        | RHODAMINE 6G            |  |  |  |
| 81. |        | BENZALDEHYDE            |  |  |  |
| 82. |        | INDOMETHACIN            |  |  |  |
| 83. |        | 2,4,6-TRINITROTOLUENE   |  |  |  |
| 84. |        | BENZOFURAN              |  |  |  |
| 85. |        | FURFURAL                |  |  |  |
| 86. |        | 2,6-XYLIDINE            |  |  |  |
| 87. |        | NALIDIXIC ACID          |  |  |  |
| 88. |        | FURAN                   |  |  |  |
| 89. |        | DIMETHOXANE             |  |  |  |
| 90. |        | FURFURYL ALCOHOL        |  |  |  |
| 91. |        |                         |  |  |  |
| 92. |        |                         |  |  |  |

CHEMICALS BEING TESTED FOR CARCINOGENICITY  
BY THE CARCINOGENESIS TESTING PROGRAM, DCCP, NCI

|                          |  |
|--------------------------|--|
| Reg. Aff. - Wash., HSSGS |  |
| Washington, D.C. Office  |  |
| Rec'd                    |  |
| SEP 15 1978              |  |
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SEPTEMBER 01, 1978

CHEMICALS TESTED IN THIS PROGRAM ARE SELECTED ON THE BASIS OF HUMAN EXPOSURE, PRODUCTION LEVELS AND CHEMICAL STRUCTURE. THEY SHOULD NOT BE CONSIDERED AS SUSPECTED CARCINOGENS BY VIRTUE OF BEING IN THE TESTING PROGRAM. COMPOUNDS ARE LISTED BY THEIR COMMON OR GENERIC NAME, IF THIS IS NOT AVAILABLE, THEN CHEMICAL NAME IS USED. FOR ADDITIONAL INFORMATION ADDRESS REQUESTS TO: TECHNICAL INFORMATION RESOURCES BRANCH, NATIONAL CANCER INSTITUTE, LANDOW BUILDING, ROOM A304, BETHESDA, MARYLAND 20014.

5-2010  
SCC

one-way memo 7-18-78  
50-Wash., D.C. to M.B. Blankin

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NCI

CHEMICALS ARE ARRANGED ACCORDING TO THEIR TESTING STATUS WHICH ARE:

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|           |                                                              |
|-----------|--------------------------------------------------------------|
| TABLE I   | DATA AVAILABLE                                               |
|           | IA TECHNICAL REPORTS PUBLISHED                               |
|           | IB NO REPORT - DATA INSUFFICIENT                             |
| TABLE II  | BIOASSAY COMPLETE - REPORTS HAVE BEEN DRAFTED                |
|           | IIA REPORTS BEING PRINTED                                    |
|           | IIB REPORTS IN REVIEW                                        |
| TABLE III | BIOASSAY HAS BEEN COMPLETED AND REPORTS ARE BEING DRAFTED    |
| TABLE IV  | HISTOPATHOLOGY INCOMPLETE                                    |
| TABLE V   | BIOASSAY HAS BEGUN BUT NO CHRONIC TESTING DATA ARE AVAILABLE |
| TABLE VI  | CHEMICALS THAT HAVE TENTATIVELY BEEN SELECTED FOR TESTING    |

ABBREVIATIONS USED IN THIS REPORT ARE AS FOLLOWS:

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ROUTES OF ADMINISTRATION:

FEED - ORALLY WITH FOOD  
GAV - ORALLY BY GAVAGE  
INHAL - INHALATION  
WATER - ORALLY WITH WATER

IJ - INJECTION  
IP - INTRAPERITONEAL  
SP - SKIN PAINTING

ANIMALS SPECIES:

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H - HAMSTER  
M - MOUSE  
R - RAT

SIMULTANEOUS CHEMICAL LISTINGS

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CHEMICALS THAT APPEAR MORE THAN ONCE REPRESENT SEVERAL EXPERIMENTS.

ADLE-I. DATA AVAILABLE

IA TECHNICAL REPORTS PUBLISHED

| NCI #  | CHEMICAL NAME                                          | CAS #      | ROUTE | SPECIES | WHTIS #     |
|--------|--------------------------------------------------------|------------|-------|---------|-------------|
| CC3974 | ACETIC ACID, (ETHYLENEDINITRILLO)TETRA, TRISODIUM SALT | 150-38-9   | FEED  | M R     | PD270938-AS |
| CC2766 | ACETIC ACID, NITRILOTRI-                               | 139-13-9   | FEED  | M R     | PD266177-AS |
| CC1445 | ACETIC ACID, NITRILOTRI-, TRISODIUM SALT, MONOHYDRATE  | 18662-53-8 | FEED  | M R     | PD266177-AS |
| CC1445 | ACETIC ACID, NITRILOTRI-, TRISODIUM SALT, MONOHYDRATE  | 18662-53-8 | FEED  | M R     | PD266177-AS |
| CC4137 | ACRIDINE, 3,6-DIAMINO-, MONOHYDROCHLORIDE              | 952-23-8   | FEED  | M R     | PB266553-AS |
| CC6044 | ALDRIN                                                 | 309-00-2   | FEED  | M R     | PD275666-AS |
| CC1707 | ANILINE, 4,4'-THIODI-                                  | 139-65-1   | FEED  | M R     | PD280360-AS |
| CC1730 | ANTHRANILIC ACID                                       | 118-92-3   | FEED  | M R     | PD278883-AS |
| CC1923 | ANTHRAQUINONE, 2-METHYL-1-NITRO-                       | 129-15-7   | FEED  | M R     | PD277439-AS |
| CC1569 | 5-AZACYTIDINE                                          | 320-67-2   | IP/IJ | M R     | PD279526-AS |
| CC0419 | BENZENE, PENTACHLORONITRO-                             | 82-68-8    | FEED  | M R     | PD281732-AS |
| CC2664 | DIPHENYL, CHLORO-                                      | 27323-18-8 | FEED  | R       | PB279624-AS |
| CC0077 | CAPTAN                                                 | 133-06-2   | FEED  | M R     | PD273475-AS |
| CC0055 | CHLORAMBEN                                             | 133-90-4   | FEED  | M R     | PD273065-AS |
| CC0099 | CHLORDANE                                              | 57-74-9    | FEED  | M R     | PD271977-AS |
| CC0191 | CHLORDECONE                                            | 143-50-0   | FEED  | M R     | PD264041-AS |
| CC2686 | CHLOROFORM                                             | 67-66-3    | GAV   | N R     | PB264018-AS |
| CC1718 | DAPSONE                                                | 80-08-0    | FEED  | M R     | PB274394-AS |
| CC1989 | 2,4-DIAMINOANISOLE SULFATE                             | 39156-41-7 | FEED  | M R     | PD279940-AS |
| CC3269 | DIARYLANILIDE YELLOW                                   | 6358-85-6  | FEED  | M R     | PB278272-AS |
| CC0113 | DICHLOROVOS                                            | 62-73-7    | FEED  | M R     | PB270937-AS |
| CC0124 | DIELDRIH                                               | 60-57-1    | FEED  | M R     | PB275666-AS |
| CC0124 | DIELDRIH                                               | 60-57-1    | FEED  | M R     | PD275676-AS |
| CC3599 | DIELDRIH, PHOTO-                                       | 13366-73-9 | FEED  | M R     | PD274393-AS |
| CC0135 | DIMETHOATE                                             | 60-51-5    | FEED  | M R     | PD264367-AS |
| CC1605 | EMETINE                                                | 483-18-1   | IP/IJ | M R     | PD278891-AS |
| CC0566 | ENDOSULFAN                                             | 115-29-7   | FEED  | M R     | PD281731-AS |
| CC4626 | ETHANE, 1,1,1-TRICHLORO-                               | 71-55-6    | GAV   | M R     | PB265082-AS |
| CC4580 | ETHYLENE, TETRACHLORO-                                 | 127-18-4   | GAV   | M R     | PD272940-AS |

TABLE I DATA AVAILABLE

IA TECHNICAL REPORTS PUBLISHED

| ICI #  | CHEMICAL NAME                                |           |       |   |   |             |
|--------|----------------------------------------------|-----------|-------|---|---|-------------|
| C00180 | HEPTACHLOR                                   | 76-44-8   | FEED  | M | R | PD271967-AS |
| C02653 | HEXACHLOROPHENE                              | 70-30-4   | FEED  | R |   | PB279525-AS |
| C01547 | IPD                                          | 3458-22-8 | IP/IJ | M | R | PD277455-AS |
| C01638 | ISOPHOSPHAMIDE                               | 3778-73-2 | IP/IJ | M | R | PD275677-AS |
| C01478 | LASIOCARPINE                                 | 303-34-4  | FEED  | R |   | PD278641-AS |
| C00204 | LINDANE                                      | 58-89-9   | FEED  | M | R | PD273430-AS |
| C00215 | MALATHION                                    | 121-75-5  | FEED  | M | R | PD278527-AS |
| C00497 | METHOXYCHLOR                                 | 72-43-5   | FEED  | M | R | PD278271-AS |
| C00420 | NITROFEN                                     | 1836-75-5 | FEED  | M | R | PD277440-AS |
| C01741 | PHENFORMIN                                   | 114-86-3  | FEED  | M | R | PB266176-AS |
| C00237 | PICLORAM                                     | 1918-02-1 | FEED  | M | R | PB276471-AS |
| C00500 | PROPANE, 1,2-DIBROMO-3-CHLORO-               | 96-12-8   | GAV   | M | R | PD277472-AS |
| C03076 | PROPIONIC ACID, 3-NITRO-                     | 504-88-1  | GAV   | M | R | PD281102-AS |
| C01785 | PYRAZINECARBOXAMIDE                          | 98-96-4   | FEED  | M | R | PD230251-AS |
| C03554 | TETRACHLOROETHANE                            | 79-34-5   | GAV   | M | R | PD277453-AS |
| C01865 | TOLUENE, 2,4-DINITRO-                        | 121-14-2  | FEED  | M | R | PD280990-AS |
| C00168 | TETRACHLORVINPHOS                            | 961-11-5  | FEED  | M | R | PD278650-AS |
| C04546 | TRICHLOROETHYLENE                            | 79-01-6   | GAV   | M | R | PD264122-AS |
| C00442 | TRIFLURALIN                                  | 1582-09-8 | FEED  | M | R | PD278610-AS |
| C03270 | TRIS(2,3-DIBROMOPROPYL)PHOSPHATE             | 126-72-7  | FEED  | M | R | PD280271-AS |
| C01763 | UREA, 1-BUTYL-3-(P-TOLYLSULFONYL)-           | 64-77-7   | FEED  | M | R | PB274483-AS |
| C01752 | UREA, 1-((P-CHLOROPHENYL)SULFONYL)-3-PROPYL- | 94-20-2   | FEED  | M | R | PB275178-AS |
| C04524 | UREA, N,N'-DICYCLOHEXYLTHIO-                 | 1212-29-9 | FEED  | M | R | PB281539-AS |

ABLE I. DATA AVAILABLE

IA TECHNICAL REPORTS PUBLISHED

| NCI #                                                  | CHEMICAL NAME                 | CAS #      | ROUTE | SPECIES | *NTIS #     |
|--------------------------------------------------------|-------------------------------|------------|-------|---------|-------------|
| <u>CHEMICALS MOVED FROM TABLE IIA SINCE LAST ISSUE</u> |                               |            |       |         |             |
| C01536                                                 | ACRONHYCINE                   | 7008-42-6  | IP/IJ | M R     | PB283347-AS |
| C03065                                                 | 2-AMINO-5-NITROTHIAZOLE       | 121-66-4   | FEED  | M R     | PB283346-AS |
| C01683                                                 | DARAPRIM                      | 53-14-0    | FEED  |         | PB282608-AS |
| C01581                                                 | BETA-DEOXYTHIOGUANOSINE       | 789-61-7   | IP/IJ | M R     | PB281540-AS |
| C54557                                                 | DIRECT BLACK 38               | 1937-37-7  | FEED  | M R     | PB280204-AS |
| C34579                                                 | DIRECT BLUE 6                 |            | FEED  | M R     | PB280204-AS |
| C34568                                                 | DIRECT BROWN 95               | 10300-74-0 | FEED  | M R     | PB280204-AS |
| C04535                                                 | ETHANE, 1,1-DICHLORO          | 106-93-4   | GAV   | M R     | PB283345-AS |
| C04604                                                 | HEXACHLOROETHANE              | 67-72-1    | GAV   | M R     | PB282668-AS |
| C01956                                                 | NAPHTHALENE, 1-NITRO-         | 86-57-7    | FEED  | M R     | PB282310-AS |
| C03292                                                 | O-PHENYLENEDIAMINE, 4-CHLORO- | 95-83-0    | FEED  | M R     | PB283362-AS |
| C01558                                                 | PHENESTERIN                   | 3546-10-9  | GAV   | M R     | PB283361-AS |
| C04579                                                 | 1,1,2 TRICHLOROETHANE         | 79-00-5    | GAV   | M R     | PB283337-AS |

\* NOTE: THESE ARE THE ACCESSION CODE NUMBERS TO BE USED IN OBTAINING NCI TECHNICAL REPORTS FROM THE NATIONAL TECHNICAL INFORMATION SERVICE, US DEPARTMENT OF LABOR, 5285 PORT ROYAL RD. SPRINGFIELD VIRGINIA 22161 TEL: (703) 557-4650

TABLE I. DATA AVAILABLE

ID NO REPORT - DATA INSUFFICIENT

| NCI #  | CHEMICAL NAME                                               | CAS #      | ROUTE | SPECIES |
|--------|-------------------------------------------------------------|------------|-------|---------|
| C04682 | ACTINOMYCIN D                                               | 50-76-0    | IP/IJ | M R     |
| C04728 | ARABINOSYLCYTOSINE                                          | 147-94-4   | IP/IJ | M R     |
| C03674 | AZATHIOPRINE                                                | 446-86-6   | IP/IJ | M R     |
| C01592 | 1,4-BUTANEDIOL, DIMETHANESULFONATE                          | 55-98-1    | IP/IJ | M R     |
| C04808 | CARBAHILIDE, 4,4'-DIACETYL-BIS(AMIDINOHYDRAZONE), DIMETHANE | 15427-93-7 | IP/IJ | M R     |
| C03485 | CHLORAMBUCIL                                                | 305-03-3   | IP/IJ | M R     |
| C04900 | CYCLOPHOSPHAMIDE                                            | 50-18-0    | IP/IJ | M R     |
| C04693 | DAUNOMYCIN                                                  | 1407-15-4  | IP/IJ | M R     |
| C04933 | O,P'-DDD                                                    | 53-19-0    | IP/IJ | M R     |
| C03667 | DIBENZO-P-DIOXIN, 2,7-DICHLORO-                             | 33857-26-0 | SP    | M       |
| C03678 | DIBENZO-P-DIOXIN, 1,2,3,4,6,7,8,9-OCTACHLORO-               | 3268-87-9  | SP    | M       |
| C03656 | DIBENZO-P-DIOXIN                                            | 262-12-4   | SP    | M       |
| C04795 | DIBROMODULCITOL                                             | 10318-26-0 | IP/IJ | M R     |
| C04762 | DIDROMOMANNITOL                                             | 488-41-5   | IP/IJ | M R     |
| C03689 | P-DIOXANE                                                   | 123-91-1   | SP    | M       |
| C04819 | GUANAZOLE                                                   | 503-88-8   | IP/IJ | M R     |
| C03054 | HYDANTOIN, DICHLORODIMETHYL-                                | 118-52-5   | FEED  | M R     |
| C04739 | HYDRAZINE, 1-ACETYL-2-PICOLINOYL-                           | 17433-31-7 | IP/IJ | M R     |
| C04831 | HYDROXYLUREA                                                | 127-07-1   | IP/IJ | M R     |
| C04717 | IMIDAZOLE-4-CARBOXAMIDE-5-(3,3-DIMETHYL-1-TRIAZENO)-        | 4342-03-4  | IP/IJ | M R     |
| C01616 | IMIDAZOLE MUSTARD                                           | 5034-77-5  | IP/IJ | M R     |
| C04853 | MELPHALAN                                                   | 148-82-3   | IP/IJ | M R     |
| C04886 | 6-MERCAPTOPURINE                                            | 50-44-2    | IP/IJ | M R     |
| C04944 | MELPHALAN                                                   |            | IP/IJ | M R     |
| C03190 | METHANSULFON-M-ANISIDE, 4'-(9-ACRIDINYLAMINO)-, MONOHYDRO   |            | IP/IJ | M R     |
| C04671 | METHOTREXATE                                                | 59-05-2    | IP/IJ | M R     |
| C04875 | METHOTREXATE, DICHLORO-                                     | 528-74-5   | IP/IJ | M R     |
| C04784 | METHYLTHIOINOSINE                                           | 342-69-8   | IP/IJ | M R     |
| C04706 | MITOMYCIN C                                                 | 50-07-7    | IP/IJ | M R     |
| C04922 | PHOSPHORODIAMIDIC ACID, N,N-BIS(2-CHLOROETHYL)-N'-3-HYDROXY |            | IP/IJ | M R     |
| C04897 | PREDNISONE                                                  | 53-03-2    | IP/IJ | M R     |
| C01810 | PROCARBAZINE HYDROCHLORIDE                                  | 366-70-1   | IP/IJ | M R     |
| C03167 | STREPTOZOTICIN                                              | 18883-66-4 | IP/IJ | M R     |
| C04820 | URACIL MUSTARD                                              | 66-75-1    | IP/IJ | M R     |
| C04773 | UREA, 1,3-BIS(CHLOROETHYL)-1-NITROSO-                       | 154-93-8   | IP/IJ | M R     |
| C04740 | UREA, 1-(2-CHLOROETHYL)-3-CYCLOHEXYL-1-NITROSO-             | 13040-47-4 | IP/IJ | M R     |
| C04955 | UREA, N-(2-CHLOROETHYL)-N'-(4-METHYLCYCLOHEXYL)-N-NITROSO-  |            | IP/IJ | M R     |
| C04842 | VINDLASTINE                                                 | 865-21-4   | IP/IJ | M R     |
| C04864 | VINCISTINE                                                  | 57-22-7    | IP/IJ | M R     |

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TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

## IIA REPORTS BEING PRINTED

| NCI #  | CHEMICAL NAME                                     | CAS #     | ROUTE | SPECIES |
|--------|---------------------------------------------------|-----------|-------|---------|
| C01687 | ACETANILIDE, 3-AMINO-4-ETHOXY-                    |           | FEED  | M R     |
| C02993 | P-ANISIDINE, 2-METHYL-                            | 102-50-1  | GAV   | M R     |
| C04615 | ALLYL CHLORIDE                                    | 107-05-1  | GAV   | M R     |
| C01945 | ANTHRANILIC ACID, 4-NITRO-                        | 619-17-0  | FEED  | M R     |
| C01901 | ANTHRAQUINONE, 1-AMINO-2-METHYL-                  | 82-28-0   | FEED  | M R     |
| C02497 | ASPIRIN, PHENACETIN AND CAFFEINE                  | 8003-03-0 | FEED  | M R     |
| C03521 | 1H-BENZOTRIAZOLE                                  | 95-14-7   | FEED  | M R     |
| C00533 | CHLOROPICRIN                                      | 76-06-2   | GAV   | M R     |
| C01661 | DIDENZYLINE HYDROCHLORIDE                         | 63-92-3   | IP/IJ | M R     |
| C03689 | P-DIOXANE                                         | 123-91-1  | WATER | M R     |
| C00395 | DIOXATHION                                        | 78-34-2   | FEED  | M R     |
| C01570 | ESTRADIOL MUSTARD                                 |           | GAV   | M R     |
| C00522 | ETHANE, 1,2-DIBROMO-                              | 106-93-4  | GAV   | M R     |
| C00511 | ETHANE, 1,2-DICHLORO-                             | 107-06-2  | GAV   | M R     |
| C01594 | ETHIONAMIDE                                       | 536-33-4  | FEED  | M R     |
| C01854 | HYDRAZINE, 1,2-DIPHENYL-                          | 122-66-7  | FEED  | M R     |
| C03258 | HYDROXYLAMINE, N-NITROSO-N-PHENYL-, AMMONIUM SALT | 135-20-6  | FEED  | M R     |
| C04568 | METHANE, TRIODO-                                  | 75-47-8   | GAV   | M R     |
| C00431 | NICLOSAMIDE                                       | 1420-04-8 | FEED  | M R     |
| C03316 | P-PHENYLENEDIAMINE, 2-CHLORO-                     | 615-66-7  | FEED  | M R     |
| C01672 | PYRIDIUM                                          | 136-40-3  | FEED  | M R     |
| C01649 | THIO TEPA                                         | 52-24-4   | IP/IJ | M R     |

TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

IIA REPORTS BEING PRINTED

| NCI #  | CHEMICAL NAME                                           | CAS #     | ROUTE | SPECIES |
|--------|---------------------------------------------------------|-----------|-------|---------|
| C03305 | M-PHENYLENEDIAMINE, 4-CHLORO                            | 5131-60-2 |       |         |
| C02233 | P-PHENYLENEDIAMINE, N-PHENYL-, HYDROCHLORIDE            | 2198-59-6 | FEED  | M R     |
| C01627 | 2,6-PIPERAZINEDIONE-4,4'-PROPYLENE DIOXOPIPERAZINE      |           | IP/IJ | M R     |
| C03827 | SUCCINIC ACID, MONO(2,2-DIMETHYLHYDRAZIDE)-             | 1596-84-5 | FEED  | M R     |
| C04557 | THIOPHENE, 2,5-DIHYDRO-, 1,1-DIOXIDE-                   | 77-79-2   | GAV   | M R     |
| C03781 | TRIMETHYL PHOSPHATE                                     | 512-56-1  | FEED  | M R     |
| C01729 | TRYPTOPHAN, L-                                          | 73-22-3   | FEED  | M R     |
| C03247 | UREA, 1-((P-ACETYLPHENYL)SULFONYL)-3-CYCLOHEXYL-        | 968-81-0  | FEED  | M R     |
| C03327 | UREA, 1-(HEXAHYDRO-1H-AZEPIN-1-YL)-3-(P-TOLYLSULFONYL)- | 1156-19-0 | FEED  | M R     |

CHEMICALS MOVED FROM TABLE IIB SINCE LAST ISSUE

|        |                                            |           |      |     |
|--------|--------------------------------------------|-----------|------|-----|
| C01967 | ACENAPHTHENE, 5-NITRO-                     | 602-87-9  | FEED | M R |
| C03736 | ANILINE CHLORIDE                           | 142-04-1  | FEED | M R |
| C08684 | ANILIZIDE                                  | 101-05-3  | FEED | M R |
| C01934 | O-ANISIDINE, 5-NITRO-                      | 99-59-2   | FEED | M R |
| C03032 | ANISOLE, 2,3,5,6-TETRACHLORO-4-NITRO-      | 2438-88-2 | FEED | M R |
| C01876 | ANTHRAQUINONE, 2-AMINO                     | 117-79-3  | FEED | M R |
| C00066 | AZINPHOS-METHYL                            | 86-50-0   | FEED | M R |
| C01898 | CARBAZOLE, 3-AMINO-9-ETHYL-, HYDROCHLORIDE |           | FEED | M R |
| C00408 | CHLOROBENZILATE                            | 510-15-6  | FEED | M R |
| C03838 | 3-(CHLOROMETHYL)-PYRIDINE HYDROCHLORIDE    |           | GAV  | M R |
| C02982 | P-CRESIDINE                                | 120-71-8  | FEED | M R |
| C00102 | DACONIL                                    | 1897-45-6 | FEED | M R |
| C00544 | MEXACARBATE                                | 315-18-4  | FEED | M R |
| C03021 | 1,5-NAPHTHALENEDIAMINE                     | 2243-62-1 | FEED | M R |
| C03952 | NORPHEHAZONE                               | 89-25-8   | FEED | M R |
| C00475 | P,P'-DDD                                   | 72-54-8   | FEED | M R |
| C00555 | P,P'-DDE                                   | 72-55-9   | FEED | M R |
| C00464 | P,P'-DDT                                   | 50-29-3   | FEED | M R |
| C00453 | SULFALLATE                                 | 95-06-7   | FEED | M R |
| C01832 | TOLUENE-2,5-DIAMINE, SULFATE               | 6369-59-1 | FEED | M R |
| C02040 | P-TOLUIDINE, 3-CHLORO-                     | 95-74-9   | FEED | M R |
| C00260 | TRIPHENYLTIN HYDROXIDE                     | 76-87-9   | FEED | M R |
| C02040 | UREA, 1-PHENYL-2-THIO-                     | 103-85-5  | FEED | M R |

TABLE V. BIOASSAY TESTING HAS BEGUN BUT NO DATA ARE AVAILABLE

| NCI #  | CHEMICAL NAME                       | CAS #     | ROUTE | SPECIES |
|--------|-------------------------------------|-----------|-------|---------|
| C53838 | ORANGE G                            | 1936-15-8 | FEED  | M       |
| C50146 | 4,4'-OXYDIANILINE                   | 101-80-4  | FEED  | M R     |
| C50124 | PHENOL                              | 108-95-2  | INHAL | H       |
| C55416 | PHENYLBUTAZONE                      |           | WATER | M R     |
| C50077 | PROPYLENE                           | 115-07-1  | INHAL | M R     |
| C50099 | PROPYLENE OXIDE                     | 75-56-9   | INHAL | M R     |
| C50588 | PROPYL GALLATE                      | 121-79-9  | FEED  | M R     |
| C54035 | RANDOX                              | 93-71-0   | FEED  | M R     |
| C52722 | STANNOUS CHLORIDE                   | 7772-99-8 | FEED  | M R     |
| C54977 | STYRENE OXIDE                       | 96-09-3   | GAV   | M R     |
| C53929 | SUDAN 1                             | 842-07-9  | FEED  | M R     |
| C53907 | SUN YELLOW FCF                      | 2783-95-0 | FEED  | M       |
| C53935 | TELONE-                             | 542-75-6  | GAV   | M R     |
| C50317 | TOLUENE-2,6-DIAMINE DIHYDROCHLORIDE |           | FEED  | M R     |
| C50533 | TOLUENE 2,4-DIISOCYANATE            | 584-84-9  | GAV   | M R     |
| C04546 | TRICHLOROETHYLENE                   | 79-01-6   | GAV   | M       |
| C50226 | ZEARALENONE                         | 7645-23-0 | FEED  | M R     |
| C50442 | ZIRAM                               | 137-30-4  | FEED  | M R     |

TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING

| NCI #  | CHEMICAL NAME                                            | CAS #      | ROUTE | SPECIES |
|--------|----------------------------------------------------------|------------|-------|---------|
| C54911 | ACID ORANGE #3                                           |            | FEED  |         |
| C50215 | ACRYLONITRILE                                            | 107-13-1   |       |         |
| C54717 | ALLYL ISOVALERATE                                        | 2835-39-4  | GAV   |         |
| C54558 | 1-AMINO-2,4-DIBROMOANTHRAQUINONE                         |            |       |         |
| C55710 | AMPHETAMINE                                              |            |       |         |
| C50179 | AMYL NITRITE                                             | 110-46-3   | GAV   |         |
| C55152 | ANTIMONY OXIDE                                           | 1309-64-4  |       |         |
| C55276 | BENZENE                                                  | 71-43-2    | GAV   |         |
| C56508 | BENZYL ACETATE                                           | 140-11-4   | GAV   |         |
| C56111 | BENZYL ALCOHOL                                           |            |       |         |
| C55516 | 2,2-BIS(BROMOETHYL)-1,3-PROPANEDIOL                      |            |       |         |
| C54159 | N,N'-BIS(2-HYDROXYETHYL)-N-METHYL-2-NITRO-P-PHENYLENEDI  |            |       |         |
| C54615 | BLUE 15B                                                 | 574-93-6   | FEED  |         |
| C55492 | BROMOBENZENE                                             |            |       |         |
| C55243 | BROMODICHLOROMETHANE                                     | 75-27-4    | GAV   |         |
| C55130 | BROMOFORM                                                | 75-25-2    | GAV   |         |
| C50522 | 1,3-BUTADIENE, 2-CHLORO-                                 | 126-99-8   |       |         |
| C55447 | 2-BUTANONE PEROXIDE                                      |            |       |         |
| C55367 | T-BUTYL ALCOHOL                                          | 75-65-0    | WATER |         |
| C55163 | CASTOR OIL                                               | 8001-79-4  | FEED  |         |
| C55072 | CHLORENDIC ACID                                          | 115-28-6   |       |         |
| C55754 | CHLORINATED TRISODIUM PHOSPHATE                          |            |       |         |
| C55107 | CHLOROACETOPHENONE (CH)                                  | 532-27-4   |       |         |
| C55709 | CHLOROAMPHENICOL                                         |            |       |         |
| C55118 | CHLOROBENZALMALONONITRILE AND HEXAMETHYLDISILIZANE (CS2) |            |       |         |
| C54886 | CHLORODENZENE                                            | 108-90-7   |       |         |
| C55254 | CHLORODIBROMOMETHANE                                     | 124-48-1   | GAV   |         |
| C54820 | 3-CHLORO-2-METHYLPROPENE                                 | 563-47-3   | GAV   |         |
| C53543 | CHLOROMAX 40                                             | 51990-12-6 |       |         |
| C53587 | CHLOROMAX 500C                                           | 56509-64-9 |       |         |
| C55265 | CHLORPHENIRAMINE MALEATE                                 | 113-92-8   | FEED  |         |
|        | CHLORPROMAZINE                                           |            |       |         |
| C55312 | COCONUT OIL ACID DIETHANOLAMINE                          |            | SP    |         |
| C50737 | CYTEMENA                                                 | 2126-70-7  | IP/IT |         |
| C55287 | DECABROMODIPHENYL OXIDE                                  | 1163-19-5  |       |         |
| C50168 | DEODORIZED WINTERIZED COTTONSEED OIL                     |            |       |         |
| C54795 | DFM                                                      |            |       |         |
| C55436 | 2,3-DIBROMO-1-PROPANOL                                   |            |       |         |
| C56944 | O-DICHLORODENZENE                                        | 95-50-1    | GAV   |         |
| C54955 | P-DICHLORODENZENE                                        | 106-46-7   | GAV   |         |
| C50704 | DICHLORODIMETHYLSILANE                                   | 75-78-5    |       |         |
| C55345 | 2,4-DICHLOROPHENOL                                       | 120-83-2   | FEED  |         |
| C55141 | 1,2-DICHLOROPROPANE                                      | 78-87-5    | GAV   |         |
| C55174 | DIETHANOLAMINE                                           | 111-42-2   | WATER |         |
| C00271 | DIETHYLNITROSAMINE                                       | 55-18-5    |       | H       |
| C54966 | DIGLYCIDYLRESORCINOL ETHER                               |            |       |         |
| C55129 | N,N-DIMETHYLDODECYLAMINE OXIDE                           | 1643-20-5  |       |         |

TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING:

| NCI #  | CHEMICAL NAME                        | CAS #      | ROUTE | SPECIES |
|--------|--------------------------------------|------------|-------|---------|
| C54773 | CIS-DICHLORODIAMINE PLATINUM (II)    |            |       |         |
| C54762 | DIMETHYLDIHYDROGENPHOSPHITE          |            | GAV   |         |
| C54740 | DIMETHYL METHYLPHOSPHONATE           |            | GAV   |         |
| C54819 | DIMETHYLMORPHOLINOPHOSPHONATE        |            | GAV   |         |
| C54900 | DIMETHYLVINYLCHELORIDE               | 513-37-1   | GAV   |         |
| C54875 | DISPERSE BLUE #1                     | 2475-45-8  | FEED  |         |
| C55652 | DODECYL ALCOHOL, ETHOXYLATED         |            | FEED  |         |
| C07001 | EPHEDRINE                            |            |       |         |
| C55663 | ALPHA-EPICHLOROHYDRIN                | 106-89-8   | INHAL | H M R   |
| C55527 | EPINEPHRINE                          |            |       |         |
| C55538 | 1,2-EPOXYBUTANE                      |            |       |         |
| C55674 | 1,2-EPOXYHEXADECANE                  |            |       |         |
| C00522 | ERYTHROMYCIN                         |            |       |         |
| C06213 | ETHANE, 1,2-DIBROMO-                 | 106-93-4   |       |         |
| C50066 | ETHYL BROMIDE                        |            |       |         |
| C50135 | ETHYLENE                             | 74-85-1    |       |         |
| C54853 | ETHYLENE CHLOROHYDRIN                | 107-07-3   | SP    | R       |
| C50083 | ETHYLENE GLYCOL MONOETHYL ETHER      | 110-80-5   | WATER |         |
| C54706 | ETHYLENE OXIDE                       | 75-21-8    | INHAL | M R     |
| C02799 | FLUORESCIN, DISODIUM SALT            | 518-47-8   | WATER |         |
| C54728 | FORMALDEHYDE                         | 50-00-0    | INHAL | M R     |
| C55185 | GERANYL ACETATE                      | 105-87-3   | GAV   |         |
| C55425 | GILSONITE                            | 12002-43-6 | SP    |         |
| C55549 | GLUTARALDEHYDE                       |            |       |         |
| C54897 | GLYCIDOL                             |            |       |         |
| C54922 | HC BLUE #2                           |            | FEED  |         |
| C55607 | HC RED #3                            |            | FEED  |         |
| C55298 | HEXACHLOROCYCLOPENTADIENE            |            |       |         |
| C55618 | HEXYLRESORCINOL                      |            |       |         |
| C55630 | 8-HYDROXYQUINOLINE                   | 148-24-3   | FEED  |         |
| C55323 | ISOPHORONE                           |            |       |         |
| C55572 | ISOPROTERENOL HCL                    |            |       |         |
| C54648 | LAURIC ACID DIETHANOLAMINE           | 120-40-1   | SP    |         |
| C54660 | D-LIMONENE                           |            |       |         |
| C54842 | LITHOL RUBINE                        | 5281-04-9  |       |         |
| C55605 | MALEIC HYDRAZIDE DIETHANOLAMINE SALT | 5716-15-4  | WATER |         |
| C00726 | MALONALDEHYDE                        | 542-78-9   | GAV   |         |
| C55721 | ALPHA-METHYL BENZYL ALCOHOL          |            |       |         |
| C55594 | 20-METHYLCHOLANTHRENE                | 56-49-5    |       | R       |
| C55629 | METHYL-DOPA                          |            |       |         |
| C50102 | METHYL CARDAMATE                     |            |       |         |
| C55550 | METHYL CHLORIDE                      |            |       |         |
| C54626 | METHYLENE CHLORIDE                   | 75-09-2    | INHAL | M R     |
| C02846 | METHAPYRILENE                        |            |       |         |
| C02164 | MOLYBDATE ORANGE                     | 12213-61-5 | FEED  |         |
| C02915 | MONURON                              | 150-68-5   | FEED  |         |
| C54784 | MORPHOLINE, 4-NITROSO-               | 59-89-2    |       |         |
|        | 2-NAPHTHYLAMINE, N-PHENYL-           | 135-88-6   | FEED  |         |
|        | NAVY FUELS JP-5 (PETROLEUM DERIVED)  |            | SPIG  |         |

TABLE VI. CHEMICALS THAT HAVE BEEN TENTATIVELY SELECTED FOR TESTING:

| NCI #  | CHEMICAL NAME                                           | CAS #      | ROUTE | SPECIES |
|--------|---------------------------------------------------------|------------|-------|---------|
| C05049 | NAVY FUELS JP-5 (SHALE OIL DERIVED)                     |            |       |         |
| C00806 | NITROGEN DIOXIDE                                        | 10102-44-0 |       | H       |
| C05050 | N-NITROSODIMETHYLAMINE                                  | 62-75-9    |       |         |
| C05583 | N-NITROSODIETHANOLAMINE                                 |            |       |         |
| C00180 | NITROUS ACID, ETHYL ESTER                               | 109-95-5   |       |         |
| C02024 | NITROUS ACID, SODIUM SALT                               | 7632-00-0  |       |         |
| C04580 | NON-DEODORIZED WINTERIZED COTTONSEED OIL                |            |       |         |
| C05334 | OLEIC ACID DIETHANOLAMINE                               |            | SP    |         |
| C05469 | ORG/HDIH                                                |            |       |         |
| C05209 | OXALIC ACID                                             | 144-62-7   | FEED  |         |
| C08935 | PARAFFIN OIL                                            | 8012-95-1  |       |         |
| C04933 | PENTACHLOROPHENOL                                       | 87-86-5    | FEED  |         |
| C05743 | PENTAERYTHRITOL TETRANITRATE                            |            |       |         |
| C05641 | PHENOLEPHRINE HCL                                       |            |       |         |
|        | PHENYTOIN SODIUM                                        |            |       |         |
| C04637 | PHthalOCYANINE GREEN                                    | 1328-53-6  |       |         |
|        | PICLORAM                                                |            |       |         |
| C05301 | PYRIDINE                                                | 110-86-1   | GAV   |         |
| C00339 | RAUWOLFIA SERPENTINA                                    | 8063-17-0  |       |         |
| C04739 | P-ROSANILINE                                            | 569-61-9   | FEED  |         |
| C05210 | ROTENONE                                                | 83-79-4    | FEED  |         |
| C00566 | SIMETHICONE                                             | 8050-81-5  |       |         |
| C05505 | SODIUM ALUMINOSILICATE                                  |            |       |         |
| C05732 | SODIUM DICHLOROISOCYANURATE                             |            |       |         |
| C00191 | SODIUM DODECYL SULFATE                                  | 151-21-3   | FEED  |         |
| C00204 | SODIUM(2-ETHYLHEXYL)ALCOHOL SULFATE                     | 126-92-1   | FEED  |         |
| C05221 | SODIUM FLUORIDE                                         | 7681-49-4  | WATER |         |
| C05696 | SUCCINIC ANHYDRIDE                                      |            |       |         |
| C05561 | TETRACYCLINE HYDROCHLORIDE                              |            |       |         |
| C04980 | TETRAETHYL LEAD                                         | 78-00-2    | GAV   |         |
| C05061 | THPC                                                    | 124-64-1   | FEED  |         |
| C05050 | THFS                                                    |            | FEED  |         |
| C04831 | TRICHLORFON                                             | 52-68-6    | FEED  |         |
| C04546 | TRICHLOROETHYLENE                                       | 79-01-6    | GAV   | R       |
| C04751 | TRIS(2-ETHYLHEXYL)PHOSPHATE                             | 78-42-2    | GAV   |         |
| C03327 | UREA, 1-(HEXAHYDRO-1H-AZEPIN-1-YL)-3-(P-TOLYLSULFONYL)- | 1156-19-0  |       |         |
| C00373 | VINYLBROMIDE                                            | 593-60-2   | INHAL | M R     |
| C04999 | VINYLCYCLOHEXENE                                        |            | GAV   |         |
| C04659 | VIOLET 3                                                |            | FEED  |         |
| C05470 | WOLLASTONITE                                            |            |       |         |
| C05232 | XYLENES                                                 | 1330-20-7  | GAV   |         |

CHEMICALS ADDED TO TABLE VI SINCE LAST ISSUE

TABLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

IID REPORTS IN REVIEW

| NCI #  | CHEMICAL NAME                                         | CAS #      | ROUTE | SPECIES |
|--------|-------------------------------------------------------|------------|-------|---------|
| C02103 | ACETAMIDE                                             | 60-35-5    | FEED  | M R     |
| C01978 | P-ACETOPHENETIDE, 3'-NITRO-                           |            | FEED  | M R     |
| C08640 | ALDICARD                                              | 116-06-3   | FEED  | M R     |
| C01821 | ANILINE, N,N-DIMETHYL-P-NITROSO-                      | 138-89-6   | FEED  | M R     |
| C03747 | O-ANISIDINE HYDROCHLORIDE                             | 134-29-2   | FEED  | M R     |
| C03750 | P-ANISIDINE HYDROCHLORIDE                             | 20265-97-8 | FEED  | M R     |
| C02120 | L-ARGININE GLUTAMATE                                  | 4320-30-3  | FEED  | M R     |
| C01912 | BENZIMIDAZOLE, 6-NITRO-                               | 94-52-0    | FEED  | M R     |
| C02131 | N-BUTYLUREA                                           | 592-31-4   | FEED  | M R     |
| C03043 | CARBAZOLE, 3-AMINO-9-ETHYL-                           | 132-32-1   | FEED  | M R     |
| C04571 | CARBON DISULFIDE                                      | 75-15-0    | GAV   | M R     |
| C00486 | DICOFOL                                               | 115-32-2   | FEED  | M R     |
| C03009 | 2,5-DITHIOBIUREA                                      | 142-46-1   | FEED  | M R     |
| C00157 | ENDRIH                                                | 72-20-8    | FEED  | M R     |
| C02175 | ISOCYANIC ACID, 3,3'-DIMETHOXY-4,4'-BIPHENYLENE ESTER | 91-93-0    | FEED  | M R     |
| C04637 | METHANE, TRICHLOROFLUORO-                             | 75-69-4    | GAV   | M R     |
| C03849 | METHIODAL SODIUM                                      | 126-31-8   | IP/IJ | M R     |
| C03010 | METHYL ORANGE B                                       | 547-58-0   | FEED  | M R     |
| C03792 | NITHIAZIDE                                            | 139-94-6   | FEED  | M R     |
| C02084 | NITROUS ACID, SODIUM SALT                             | 7632-00-0  | FEED  | M R     |
| C04126 | 2-OXETANONE, 3,3-DIMETHYL-                            | 1955-45-9  | GAV   | M R     |
| C00226 | PARATHION                                             | 56-38-2    | FEED  | M R     |
| C03963 | PHENOL, 4-AMINO-2-NITRO-                              | 119-34-6   | FEED  | M R     |
| C03930 | P-PHENYLENEDIAMINE, DIHYDROCHLORIDE                   | 624-18-0   | FEED  | M R     |
| C00528 | PHOSPHAMIDON                                          | 13171-21-6 | FEED  | M R     |
| C01810 | PROCARBAZINE HYDROCHLORIDE                            | 366-70-1   | IP/IJ | M R     |
| C02211 | STYRENE, BETA-NITRO-                                  | 102-96-5   | GAV   | M R     |
| C00022 | SULFISONAZOLE                                         | 127-69-5   | GAV   | M R     |
| C04240 | TITANIUM DIOXIDE                                      | 13463-67-7 | FEED  | M R     |
| C01843 | O-TOLUIDINE, 5-NITRO-                                 | 99-55-8    | FEED  | M R     |
| C02153 | P-TOLYLUREA                                           | 622-51-5   | FEED  | M R     |
| C00259 | TOXAPHENE                                             | 8001-35-2  | FEED  | M R     |
| C02119 | UREA                                                  | 57-13-6    | FEED  | M R     |
| C03816 | UREA, 1,3-DIETHYL-2-THIO-                             | 105-55-5   | FEED  | M R     |
| C02073 | UREA, (P-ETHOXYPHENYL)-                               | 150-69-6   | FEED  | M R     |
| C02186 | UREA, 1,1,3-TRIMETHYL-2-THIO-                         | 2489-77-2  | FEED  | M R     |

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ADLE II. BIOASSAY COMPLETE -- REPORTS HAVE BEEN DRAFTED

IIB REPORTS IN REVIEW

| NCI #                                                  | CHEMICAL NAME                                | CAS #      | ROUTE | SPECIES |
|--------------------------------------------------------|----------------------------------------------|------------|-------|---------|
| <u>CHEMICALS MOVED FROM TABLE XII SINCE LAST ISSUE</u> |                                              |            |       |         |
| C03770                                                 | ACETANILIDE, 4'-(CHLOROACETYL)-              | 140-49-8   | FEED  | M R     |
| C02095                                                 | ADIPAMIDE                                    | 628-94-4   | FEED  | M R     |
| C02039                                                 | ANILINE, P-CHLORO-                           | 106-47-8   | FEED  | M R     |
| C02255                                                 | ANILINE, 2,4-DIMETHOXY-, HYDROCHLORIDE       |            | FEED  | M R     |
| C01990                                                 | ANILINE, 4,4'-METHYLENEBIS (N,N-DIMETHYL)-   | 101-61-1   | FEED  | M R     |
| C02006                                                 | BENZOPHENONE, 4,4'-BIS(DIMETHYLAMINO)-       | 90-94-8    | FEED  | M R     |
| C03850                                                 | P-BENZOQUINONE, DIOXIME                      | 105-11-3   | FEED  | M R     |
| C03861                                                 | 5BETA-CHOLAN-24-DIC ACID, 3ALPHA-HYDROXY-    | 434-13-9   | GAV   | M R     |
| C03565                                                 | C.I. VAT YELLOW 4                            | 128-66-5   | FEED  | M R     |
| C08662                                                 | COUMAPHOS                                    | 56-72-4    | FEED  | M R     |
| C03667                                                 | DIBENZO-P-DIOXIN, 2,7-DICHLORO-              | 33857-26-0 | FEED  | M R     |
| C03656                                                 | DIBENZO-P-DIOXIN                             | 262-12-4   | FEED  | M R     |
| C02028                                                 | DIBUTYL TIN DIACETATE                        | 1067-33-0  | FEED  | M R     |
| C50055                                                 | DIMETHYL TEREPHTHALATE                       | 120-61-6   | FEED  | M R     |
| C02244                                                 | DIPHENYLAMINE, 4-NITROSO-                    | 156-10-5   | FEED  | M R     |
| C02868                                                 | ETHANE, 1,1-DICHLORO-2,2-BIS(P-ETHYLPHENYL)- | 72-56-0    | FEED  | M R     |
| C02857                                                 | ETHYL TELLURAC                               | 30145-38-1 | FEED  | M R     |
| C08651                                                 | FENTHION                                     | 55-38-9    | FEED  | M R     |
| C02142                                                 | HEXANAMIDE                                   | 628-02-4   | FEED  | M R     |
| C02891                                                 | LEDATE                                       | 19010-66-3 | FEED  | M R     |
| C03281                                                 | N-1-NAPHTHYLETHYLENEDIAMINE DIHYDROCHLORIDE  | 1465-25-4  | FEED  | M R     |
| C00420                                                 | NITROFEN                                     | 1836-75-5  | FEED  | M R     |
| C02904                                                 | PHENOL, 2,4,6-TRICHLORO-                     | 88-06-2    | FEED  | M R     |
| C03941                                                 | O-PHENYLENEDIAMINE, 4-NITRO-                 | 99-56-9    | FEED  | M R     |
| C02222                                                 | P-PHENYLENEDIAMINE, 2-NITRO-                 | 5307-14-2  | FEED  | M R     |
| C03601                                                 | PHTHALIC ANHYDRIDE                           | 85-44-9    | FEED  | M R     |
| C02813                                                 | PIPERONYL BUTOXIDE                           | 51-03-6    | FEED  | M R     |
| C02824                                                 | PIPERONYL SULFOXIDE                          | 120-62-7   | FEED  | M R     |
| C50000                                                 | MENTHOL, DL                                  | 89-78-1    | FEED  | M R     |
| C03907                                                 | PYRIDINE, 2-(CHLOROMETHYL)-, HYDROCHLORIDE   |            | GAV   | M R     |
| C02200                                                 | STYRENE                                      | 100-42-5   | GAV   | M R     |
| C02051                                                 | O-TOLUIDINE, 5-CHLORO-                       | 95-79-4    | FEED  | M R     |
| C02335                                                 | O-TOLUIDINE HYDROCHLORIDE                    | 638-21-5   | FEED  | M R     |
| C03805                                                 | UREA, (2-BROMO-2-ETHYLBUTYRYL)-              | 77-65-6    | FEED  | M R     |

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ADLE IIIA. BIOASSAY HAS BEEN COMPLETED -- REPORTS ARE BEING DRAFTED

| NCI #  | CHEMICAL NAME                      | CAS #    | ROUTE | SPECIES |
|--------|------------------------------------|----------|-------|---------|
| C50044 | ETHER, BIS(2-CHLORO-1-METHYLETHYL) | 108-60-1 | GAV   | M       |

CHEMICALS MOVED FROM TABLE IV SINCE LAST ISSUE

|        |                                                            |            |      |   |   |
|--------|------------------------------------------------------------|------------|------|---|---|
| C02960 | AMMONIUM, (2-CHLOROETHYL)TRIMETHYL-, CHLORIDE              | 999-81-5   | FEED | M | R |
| C02299 | ANILINE, 2,4,5-TRIMETHYL-                                  | 137-17-7   | FEED | M | R |
| C02926 | AZORENENE                                                  | 103-33-3   | FEED | M | R |
| C02937 | CALCIUM CARBIMIDE                                          | 156-62-7   | FEED | M | R |
| C02880 | DIPHENYLAMINE, N-NITROSO-                                  | 86-30-6    | FEED | M | R |
| C02959 | ETHYL TUADS                                                | 14239-68-0 | FEED | M | R |
| C00215 | MALATHION                                                  | 121-75-5   | FEED | M | R |
| C02971 | PHOSPHOROTHIOIC ACID, O,O-DIMETHYL O-(P-NITROPHENYL) ESTER | 298-00-0   | FEED | M | R |
| C03612 | PHTHALAMIDE                                                | 88-96-0    | FEED | M | R |
| C02835 | SODIUM DIMETHYLDITHIOCARBAMATE                             | 128-04-1   | FEED | M | R |
| C02302 | TOLUENE-2,4-DIAMINE                                        | 95-80-7    | FEED | M | R |
| C02368 | O-TOLUIDINE, 4-CHLORO-, HYDROCHLORIDE                      | 3165-93-3  | FEED | M | R |

ABLE IIID. DIDASSAY HAS BEEN COMPLETED

NCI # CHEMICAL NAME

CAS # ROUTE SPECIES

POSITIVE CONTROL

C00384 ACETAMIDE, N-FLUOREN-2-YL-  
 C03349 ACETOHYDROXAMIC ACID, N-FLOUREN-2-YL-  
 C01456 AFLATOXIN B1  
 C01434 1-BUTANOL, 4-(BUTYLNITROSAMINO)-  
 C03452 CARBON TETRACHLORIDE  
 C01457 CYCASIN  
 C02700 DIPENTYLAMINE, N-NITROSO-  
 C01423 GUANIDINE, 1-METHYL-3-NITRO-1-NITROSO-  
 C01489 LEAD ACETATE  
 C00362 SAFROLE  
 C00373 S-TRIAZOLE, 3-AMINO-  
 C01490 URACIL, 2-THIO-

53-96-3 FEED M R  
 53-95-2 FEED R  
 1162-65-8 FEED R  
 3817-11-6 FEED R  
 56-23-5 GAV M R  
 14901-08-7 FEED R  
 13256-06-9 FEED R  
 70-25-7 FEED R  
 301-04-2 FEED R  
 94-59-7 FEED R M  
 61-82-5 FEED M R  
 141-90-2 FEED R

TABLE IV. HISTOPATHOLOGY INCOMPLETE

| NCI #  | CHEMICAL NAME                             | CAS #      | ROUTE | SPECIES |
|--------|-------------------------------------------|------------|-------|---------|
| C91514 | ADRIAMYCIN                                | 23214-92-8 | IP/IJ | M R     |
| C90011 | BENZON                                    | 119-53-9   | FEED  | M R     |
| C13510 | CINNAMYL ANTHRANILATE                     | 87-29-6    | FEED  | M R     |
| C13598 | P-CRESOL, 2,6-DI-TERT-BUTYL-              | 128-37-0   | FEED  | M R     |
| C18673 | DIAZINON                                  | 333-41-5   | FEED  | M R     |
| C13703 | DIBENZO-P-DIOXIN, 1,2,3,6,7,8-HEXACHLORO- |            | SP    | M       |
| C13703 | DIBENZO-P-DIOXIN, 1,2,3,6,7,8-HEXACHLORO- |            | GAV   | M R     |
| C13714 | DIBENZO-P-DIOXIN, 2,3,7,8-TETRACHLORO-    | 1746-01-6  | SP    | M       |
| C13714 | DIBENZO-P-DIOXIN, 2,3,7,8-TETRACHLORO-    | 1746-01-6  | GAV   | M R     |
| C92695 | FLUOMETURON                               | 2164-17-2  | FEED  | M       |
| C90259 | HEXAMETHYLMELAMINE                        | 645-05-6   | IP/IJ | M R     |
| C18628 | MALATHION-D-ANALOG                        | 1634-78-2  | FEED  | M R     |
| C53838 | ORANGE G                                  | 1936-15-8  | FEED  | R       |
| C30124 | PHENOL                                    | 108-95-2   | WATER | M       |
| C50124 | PHENOL                                    | 108-95-2   | WATER | R       |
| C90033 | 1,2-PROPANEDIOL                           | 57-55-6    | SP    | M R     |
| C50157 | RESERPINE                                 | 50-55-5    | FEED  | M R     |
| C90033 | SELENIUM SULFIDE                          | 7488-56-4  | GAV   | M R     |
| C54546 | SELSUN                                    |            | SP    | M       |
| C53907 | SUN YELLOW FCF                            | 2783-94-0  | FEED  | R       |

CHEMICALS MOVED FROM TABLE V SINCE LAST ISSUE

|        |                           |          |       |       |
|--------|---------------------------|----------|-------|-------|
| C50282 | 2-DIPHENYLAMINE           | 90-41-5  | FEED  | M R   |
| C30646 | CAPROLACTAM               | 105-60-2 | FEED  | M R   |
| C54262 | 1,1-DICHLOROETHYLENE      | 75-35-4  | GAV   | M R   |
| C53894 | PENTACHLOROETHANE         | 76-01-7  | GAV   | R     |
| C52459 | 1,1,1,2-TETRACHLOROETHANE |          | GAV   | R     |
| C54808 | ASCORBIC ACID             | 50-81-7  | FEED  |       |
| C04580 | ETHYLENE, TETRACHLORO-    | 127-18-4 | INHAL | H M R |

TABLE V. BIOASSAY TESTING HAS BEGUN BUT NO DATA ARE AVAILABLE

| HCI #  | CHEMICAL NAME                     | CAS #      | ROUTE | SPECIES |
|--------|-----------------------------------|------------|-------|---------|
| C05732 | AEROZINE 50                       | 57-14-7    | INHAL | M       |
| C50475 | AGAR AGAR                         | 9002-18-0  | FEED  | M R     |
| C00299 | AGARITINE                         | 2757-90-6  | WATER | M R     |
| C50464 | ALLYL ISOTHIOCYANATE              | 57-06-7    | GAV   | M R     |
| C50613 | AMINO UNDECAHOIC ACID             | 27323-47-3 | FEED  | M R     |
| C06360 | BENZYL CHLORIDE                   | 100-44-7   | IP/IJ | M       |
| C50635 | BISPHENOL A                       | 80-05-7    | FEED  | M R     |
| C50602 | 1,3-BUTADIENE                     | 106-99-0   | INHAL | M R     |
| C54375 | BUTYL BENZYL PHTHALATE            | 85-68-7    | FEED  | M R     |
| C53849 | CARMOISINE                        | 3567-69-9  | FEED  | M       |
| C08637 | GAMMA-CHLORDANE                   | 12789-03-6 | FEED  | M R     |
| C06871 | CHLORDANE, ALPHA ISOMER           | 5103-71-9  | FEED  | M R     |
| C53781 | C.I. DISPERSE YELLOW 3            | 2832-40-8  | FEED  | M R     |
| C55005 | CYCLOHEXANONE                     | 108-94-1   | WATER | M R     |
| C53792 | D AND C RED NO. 9                 | 5160-02-1  | FEED  | M R     |
| C50657 | DIALLYLPHTHALATE                  | 131-17-9   | GAV   | M R     |
| C50260 | 1,4-DIAMINO-2,6-DICHLOROBENZENE   |            | FEED  | M R     |
| C51581 | CIS-1,2-DICHLOROETHYLENE          | 156-59-2   | GAV   | M R     |
| C54591 | TRANS-1,2-DICHLOROETHYLENE        |            | GAV   | M R     |
| C54386 | DI(2-ETHYLHEXYL)ADIPATE           | 103-23-1   | FEED  | M R     |
| C52733 | DI(2-ETHYLHEXYL)PHTHALATE         | 117-81-7   | FEED  | M R     |
| C50668 | 4,4'-DIPHENYLMETHANE DIISOCYANATE | 101-68-8   | GAV   | M R     |
| C00522 | ETHANE, 1,2-DIBROMO-              | 106-93-4   | INHAL | M R     |
| C04626 | ETHANE, 1,1,1-TRICHLORO-          | 71-55-6    | GAV   | M R     |
| C50384 | ETHYL ACRYLATE                    | 140-88-5   | GAV   | M R     |
| C50135 | ETHYLENE CHLOROHYDRIN             | 107-07-3   | SP    | M       |
| C50453 | EUGENOL                           | 97-53-0    | FEED  | M R     |
| C50395 | GUAR GUM                          | 9000-30-0  | FEED  | M R     |
| C50748 | GUM ARABIC                        | 9000-01-5  | FEED  | M R     |
| C54364 | GUM TARA                          |            | FEED  | R       |
| C06893 | HEPTACHLOREPOXIDE                 | 1024-57-3  | FEED  | M R     |
| C50419 | LOCUST BEAN GUM                   | 9000-40-2  | FEED  | M R     |
| C50362 | MANNITOL                          | 69-65-8    | FEED  | M R     |
| C50715 | MELANINE                          | 102-78-1   | FEED  | M R     |
| C09018 | METHAPYRILENE                     | 91-80-5    | FEED  | M R     |
| C54604 | 4,4'-METHYLENEDIANILINE 2HCL      | 101-77-9   | FEED  | M R     |
| C50102 | METHYLENE CHLORIDE                | 75-09-2    | GAV   | M R     |
| C50680 | METHYL METHACRYLATE               | 80-62-6    | INHAL | M R     |
| C06428 | MIREX                             | 2385-85-5  | FEED  | M R     |
| C08902 | NITROFURANTOIN                    | 67-20-9    | FEED  | M R     |