

| Number | CAS Number | Chemical Name   | Species Scientific Name         | Species Common Name | Species Group                 |
|--------|------------|---|---------------------------------|---------------------|-------------------------------|
| 26     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 28     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 42     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 29     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 27     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 24     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 321    | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lemna aequinoctiales            | Duckweed            | Flowers, Trees, Shrubs, Ferns |
| 25     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pseudokirchneriella subcapitata | Green Algae         | Algae, Moss, Fungi            |
| 13     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella sp.                   | Green Algae         | Algae, Moss, Fungi            |
| 15     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella vulgaris              | Green Algae         | Algae, Moss, Fungi            |
| 30     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Scenedesmus acutus var. acutus  | Green Algae         | Algae, Moss, Fungi            |
| 322    | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lemna minor                     | Duckweed            | Flowers, Trees, Shrubs, Ferns |
| 7      | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella fusca ssp. vacuolata  | Green Algae         | Algae, Moss, Fungi            |
| 6      | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlamydomonas sp.               | Green Algae         | Algae, Moss, Fungi            |
| 12     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella pyrenoidosa           | Green Algae         | Algae, Moss, Fungi            |
| 43     | 15972608   | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Scenedesmus acutus              | Green Algae         | Algae, Moss, Fungi            |

|     |          |   |                           |               |                               |
|-----|----------|---|---------------------------|---------------|-------------------------------|
| 11  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella pyrenoidosa     | Green Algae   | Algae, Moss, Fungi            |
| 327 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lemna minor               | Duckweed      | Flowers, Trees, Shrubs, Ferns |
| 326 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lemna minor               | Duckweed      | Flowers, Trees, Shrubs, Ferns |
| 5   | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlamydomonas reinhardtii | Green Algae   | Algae, Moss, Fungi            |
| 325 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lemna minor               | Duckweed      | Flowers, Trees, Shrubs, Ferns |
| 35  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Thalassiosira weissflogii | Diatom        | Algae, Moss, Fungi            |
| 17  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Desmodesmus subspicatus   | Green Algae   | Algae, Moss, Fungi            |
| 18  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Desmodesmus subspicatus   | Green Algae   | Algae, Moss, Fungi            |
| 251 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Oncorhynchus mykiss       | Rainbow Trout | Fish                          |
| 31  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Scenedesmus quadricauda   | Green Algae   | Algae, Moss, Fungi            |
| 32  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Scenedesmus sp.           | Green Algae   | Algae, Moss, Fungi            |
| 10  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chlorella pyrenoidosa     | Green Algae   | Algae, Moss, Fungi            |
| 224 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Danio rerio               | Zebra Danio   | Fish                          |
| 252 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Oncorhynchus mykiss       | Rainbow Trout | Fish                          |
| 248 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Oncorhynchus mykiss       | Rainbow Trout | Fish                          |
| 150 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Ceriodaphnia dubia        | Water Flea    | Crustaceans                   |
| 238 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lepomis macrochirus       | Bluegill      | Fish                          |

|     |          |   |                         |                      |                    |
|-----|----------|---|-------------------------|----------------------|--------------------|
| 364 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus plumosus     | Midge                | Insects/Spiders    |
| 261 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas     | Fathead Minnow       | Fish               |
| 229 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Heteropneustes fossilis | Indian Catfish       | Fish               |
| 228 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Heteropneustes fossilis | Indian Catfish       | Fish               |
| 151 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Ceriodaphnia dubia      | Water Flea           | Crustaceans        |
| 236 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lepomis macrochirus     | Bluegill             | Fish               |
| 227 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Heteropneustes fossilis | Indian Catfish       | Fish               |
| 262 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas     | Fathead Minnow       | Fish               |
| 218 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Carassius auratus       | Goldfish             | Fish               |
| 265 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas     | Fathead Minnow       | Fish               |
| 266 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas     | Fathead Minnow       | Fish               |
| 239 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lepomis macrochirus     | Bluegill             | Fish               |
| 23  | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pavlova sp.             | Chrysophyte          | Algae, Moss, Fungi |
| 148 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Ceriodaphnia dubia      | Water Flea           | Crustaceans        |
| 264 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas     | Fathead Minnow       | Fish               |
| 149 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Ceriodaphnia dubia      | Water Flea           | Crustaceans        |
| 164 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Tigriopus japonicus     | Harpacticoid Copepod | Crustaceans        |

|     |          |   |                          |                |                 |
|-----|----------|---|--------------------------|----------------|-----------------|
| 153 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Ceriodaphnia dubia       | Water Flea     | Crustaceans     |
| 263 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas      | Fathead Minnow | Fish            |
| 367 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus riparius      | Midge          | Insects/Spiders |
| 267 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Pimephales promelas      | Fathead Minnow | Fish            |
| 233 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Lepomis macrochirus      | Bluegill       | Fish            |
| 368 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus riparius      | Midge          | Insects/Spiders |
| 157 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Echinogammarus tibaldii  | Amphipod       | Crustaceans     |
| 365 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus riparius      | Midge          | Insects/Spiders |
| 369 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus riparius      | Midge          | Insects/Spiders |
| 158 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Gammarus italicus        | Scud           | Crustaceans     |
| 139 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Daphnia magna            | Water Flea     | Crustaceans     |
| 160 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Rhithropanopeus harrisii | Mud Crab       | Crustaceans     |
| 366 | 15972608 | Z-CHLORO-N-(2,6-diethylphenyl)-N-(methoxymethyl)acetamide | Chironomus riparius      | Midge          | Insects/Spiders |
|     |          |   |                          |                |                 |

| Endpoint | Effect | Effect Measurement | Response Site | Response Site Description | Exposure Duration | Exposure Duration (Days) | Min Duration Op | Min Duration (Days) | Max Duration Op |
|----------|--------|--------------------|---------------|---------------------------|-------------------|--------------------------|-----------------|---------------------|-----------------|
| EC50     | POP    | ABND               | NR            | Not Reported              |                   | 5                        |                 | NR                  |                 |
| EC50     | POP    | GPOP               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| IC50     | POP    | PGRT               | NR            | Not Reported              |                   | 3                        |                 | NR                  |                 |
| EC50     | POP    | PGRT               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | CHLO               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | ABND               | NR            | Not Reported              |                   | 3                        |                 | NR                  |                 |
| EC50     | GRO    | GGRT               | NR            | Not Reported              |                   | 7                        |                 | NR                  |                 |
| EC50     | POP    | ABND               | NR            | Not Reported              |                   | 3                        |                 | NR                  |                 |
| EC50     | POP    | PGRT               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | CHLO               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | PGRT               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | ABND               | NR            | Not Reported              |                   | 7                        |                 | NR                  |                 |
| EC50     | POP    | ABND               | NR            | Not Reported              |                   | 1                        |                 | NR                  |                 |
| EC50     | POP    | PGRT               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| EC50     | POP    | GPOP               | NR            | Not Reported              |                   | 4                        |                 | NR                  |                 |
| IC50     | POP    | ABND               | NR            | Not Reported              |                   | 1                        |                 | NR                  |                 |

|       |     |      |    |              |  |   |  |    |  |
|-------|-----|------|----|--------------|--|---|--|----|--|
| EC50  | POP | GPOP | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | PGRT | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | GPOP | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | CHLO | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | ABND | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | PGRT | NR | Not Reported |  | 2 |  | NR |  |
| EC50  | POP | ABND | NR | Not Reported |  | 3 |  | NR |  |
| EC50  | POP | ABND | NR | Not Reported |  | 3 |  | NR |  |
| LC50  | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | CHLO | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | PGRT | NR | Not Reported |  | 4 |  | NR |  |
| EC50  | POP | DBLT | NR | Not Reported |  | 1 |  | NR |  |
| LC50* | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50  | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50  | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| IC50  | REP | GREP | NR | Not Reported |  | 7 |  | NR |  |
| LC50  | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |

|      |     |      |    |              |  |   |  |    |  |
|------|-----|------|----|--------------|--|---|--|----|--|
| EC50 | ITX | IMBL | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 7 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 2 |  | NR |  |
| IC50 | REP | GREP | NR | Not Reported |  | 7 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 1 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 7 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| EC50 | POP | PGRT | NR | Not Reported |  | 4 |  | NR |  |
| IC50 | REP | GREP | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 2 |  | NR |  |
| IC50 | REP | GREP | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |

|      |     |      |    |              |  |   |  |    |  |
|------|-----|------|----|--------------|--|---|--|----|--|
| LC50 | MOR | MORT | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 1 |  | NR |  |
| EC50 | ITX | IMBL | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 1 |  | NR |  |
| EC50 | ITX | IMBL | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| EC50 | ITX | IMBL | NR | Not Reported |  | 1 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| EC50 | ITX | IMBL | NR | Not Reported |  | 2 |  | NR |  |
| LC50 | MOR | MORT | NR | Not Reported |  | 4 |  | NR |  |
| EC50 | ITX | IMBL | NR | Not Reported |  | 1 |  | NR |  |



| Max Duration (Days) | Duration Units (Days) | Exposure Type | Chemical Analysis | Trend | Effect Percent | Effect Percent Min | Effect Percent Max | Statistical Significance | Significance Level | Conc. Type (ug/L) |
|---------------------|-----------------------|---------------|-------------------|-------|----------------|--------------------|--------------------|--------------------------|--------------------|-------------------|
| NR                  | d                     | S             | NR                | NR    | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 |                    | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | NR            | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | INC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | M                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |
| NR                  | d                     | S             | U                 | NR    | NR             | NR                 |                    | NR                       | NR                 | A                 |
| NR                  | d                     | S             | U                 | DEC   | NR             | NR                 | NR                 | NA                       | NA                 | F                 |

|    |   |   |    |     |    |    |    |    |    |   |
|----|---|---|----|-----|----|----|----|----|----|---|
| NR | d | S | U  | NR  | NR | NR |    | NR | NR | A |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | F |
| NR | d | S | U  | DEC | NR | NR |    | NA | NA | A |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | A |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | A |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | F |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | F |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | F |
| NR | d | S | NR | NR  | NR | NR | NR | NA | NA | F |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | A |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | F |
| NR | d | S | U  | DEC | NR | NR | NR | NA | NA | A |
| NR | d | R | U  |     | NR | NR |    | NA | NA | F |
| NR | d | S | NR | NR  | NR | NR | NR | NA | NA | F |
| NR | d | S | NR | INC | NR | NR | NR | NA | NA | F |
| NR | d | R | M  | NR  | NR | NR |    | NA | NA | A |
| NR | d | S | NR | NR  | NR | NR | NR | NA | NA | F |

|    |   |    |    |     |    |    |    |    |    |   |
|----|---|----|----|-----|----|----|----|----|----|---|
| NR | d | S  | NR | INC | NR | NR | NR | NA | NA | F |
| NR | d | R  | U  | INC | NR | NR | NR | NA | NA | A |
| NR | d | NR | U  |     | NR | NR |    | NA | NA | A |
| NR | d | NR | U  |     | NR | NR |    | NA | NA | A |
| NR | d | R  | M  | NR  | NR | NR |    | NA | NA | A |
| NR | d | S  | NR | INC | NR | NR | NR | NA | NA | F |
| NR | d | NR | U  |     | NR | NR |    | NA | NA | A |
| NR | d | R  | U  | INC | NR | NR | NR | NA | NA | A |
| NR | d | R  | U  | INC | NR | NR | NR | NA | NA | F |
| NR | d | F  | M  | INC | NR | NR | NR | NA | NA | A |
| NR | d | F  | M  | INC | NR | NR |    | NA | NA | A |
| NR | d | S  | NR | NR  | NR | NR | NR | NA | NA | F |
| NR | d | S  | U  | DEC | NR | NR | NR | NA | NA | A |
| NR | d | R  | M  | NR  | NR | NR |    | NA | NA | A |
| NR | d | F  | M  | INC | NR | NR | NR | NA | NA | A |
| NR | d | R  | M  | NR  | NR | NR |    | NA | NA | A |
| NR | d | R  | U  | INC | NR | NR | NR | NA | NA | F |

|    |   |    |    |     |    |    |    |    |    |   |
|----|---|----|----|-----|----|----|----|----|----|---|
| NR | d | S  | M  | INC | NR | NR |    | NA | NA | A |
| NR | d | F  | M  | INC | NR | NR | NR | NA | NA | A |
| NR | d | S  | U  |     | NR | NR |    | NA | NA | A |
| NR | d | F  | M  |     | NR | NR |    | NA | NA | A |
| NR | d | S  | NR | INC | NR | NR | NR | NA | NA | F |
| NR | d | S  | U  |     | NR | NR |    | NA | NA | A |
| NR | d | NR | U  | INC | NR | NR |    | NA | NA | F |
| NR | d | S  | U  |     | NR | NR |    | NA | NA | A |
| NR | d | S  | M  | INC | NR | NR | NR | NA | NA | A |
| NR | d | NR | U  | INC | NR | NR |    | NA | NA | F |
| NR | d | S  | NR | INC | NR | NR | NR | NA | NA | F |
| NR | d | R  | U  | INC | NR | NR | NR | NA | NA | A |
| NR | d | S  | U  |     | NR | NR |    | NA | NA | A |

| Conc 1 Op (ug/L) | Conc 1 (ug/L) | Conc 1 Min Op | Conc Min 1 (ug/L) | Conc 1 Max Op (ug/L) | Conc 1 Max (ug/L) | Conc 2 (ug/L) | Conc Units (ug/L) |
|------------------|---------------|---------------|-------------------|----------------------|-------------------|---------------|-------------------|
|                  | 1.64          |               | 1.48              |                      | 1.82              | NR            | ug/L              |
|                  | 6             |               | 4                 |                      | 9                 | NR            | ug/L              |
|                  | 6.5           |               | 6.2               |                      | 6.9               | NC            | ug/L              |
|                  | 10            |               | NR                |                      | NR                | NR            | ug/L              |
|                  | 10            |               | NR                |                      | NR                | NR            | ug/L              |
|                  | 12            |               | NR                |                      | NR                | NC            | ug/L              |
|                  | 14.028        |               | NR                |                      | NR                | NC            | ug/L              |
|                  | 15            |               | NR                |                      | NR                | NC            | ug/L              |
|                  | 26            |               | 16                |                      | 35                | NR            | ug/L              |
|                  | 26            |               | 16                |                      | 35                | NR            | ug/L              |
|                  | 27            |               | 19                |                      | 37                | NR            | ug/L              |
|                  | 35.23         |               | 30.6              |                      | 40.57             | NC            | ug/L              |
|                  | 37.79         |               | 132.2             |                      | 147.8             | NC            | ug/L              |
|                  | 460           |               | 388               |                      | 532               | NR            | ug/L              |
|                  | 96            |               | NR                |                      | NR                | NR            | ug/L              |
|                  | 118.69        |               | NR                |                      | NR                | NC            | ug/L              |

|  |         |  |      |  |      |    |      |
|--|---------|--|------|--|------|----|------|
|  | 126     |  | NR   |  | NR   | NR | ug/L |
|  | 482     |  | 332  |  | 632  | NR | ug/L |
|  | 198     |  | 80   |  | 316  | NR | ug/L |
|  | 460     |  | 388  |  | 532  | NR | ug/L |
|  | 482     |  | 332  |  | 632  | NR | ug/L |
|  | 672     |  | NR   |  | NR   | NC | ug/L |
|  | 880     |  | NR   |  | NR   | NC | ug/L |
|  | 995     |  | NR   |  | NR   | NC | ug/L |
|  | 1000    |  | 840  |  | 1200 | NR | ug/L |
|  | 1328    |  | 986  |  | 1669 | NR | ug/L |
|  | 1328    |  | 986  |  | 1669 | NR | ug/L |
|  | 1429.76 |  | NR   |  | NR   | NR | ug/L |
|  | 1750    |  | 800  |  | 2700 | NR | ug/L |
|  | 1800    |  | 1500 |  | 2100 | NR | ug/L |
|  | 2400    |  | 1840 |  | 3120 | NR | ug/L |
|  | 2500    |  | NR   |  | NR   | NR | ug/L |
|  | 2800    |  | 2500 |  | 3200 | NR | ug/L |

|  |         |  |         |  |         |    |      |
|--|---------|--|---------|--|---------|----|------|
|  | 3200    |  | 2300    |  | 4400    | NR | ug/L |
|  | 3580    |  | 3080    |  | 4150    | NC | ug/L |
|  | 3732    |  | 3686    |  | 3766    | NR | ug/L |
|  | 4162    |  | 4123    |  | 4202    | NR | ug/L |
|  | 4300    |  | NR      |  | NR      | NR | ug/L |
|  | 4300    |  | 3530    |  | 5500    | NR | ug/L |
|  | 4430    |  | 4375    |  | 4467    | NR | ug/L |
|  | 4880    |  | 4260    |  | 5600    | NC | ug/L |
|  | 5000    |  | NR      |  | NR      | NC | ug/L |
|  | 5000    |  | 4500    |  | 5600    | NR | ug/L |
|  | 5000    |  | NR      |  | NR      | NR | ug/L |
|  | 5600    |  | 4700    |  | 6700    | NR | ug/L |
|  | 5660.95 |  | 5239.25 |  | 6337.44 | NC | ug/L |
|  | 5900    |  | NR      |  | NR      | NR | ug/L |
|  | 6600    |  | 6300    |  | 7000    | NR | ug/L |
|  | 7300    |  | NR      |  | NR      | NR | ug/L |
|  | 7300    |  | 4800    |  | 10950   | NR | ug/L |

|  |         |  |       |  |       |    |      |
|--|---------|--|-------|--|-------|----|------|
|  | 7900    |  | NR    |  | NR    | NR | ug/L |
|  | 9900    |  | 9300  |  | 10600 | NR | ug/L |
|  | 10000   |  | 7400  |  | 13400 | NR | ug/L |
|  | 5000    |  | 4500  |  | 5600  | NR | ug/L |
|  | 11500   |  | 8580  |  | 15410 | NR | ug/L |
|  | 12500   |  | 9700  |  | 16100 | NR | ug/L |
|  | 13000   |  | 12500 |  | 13500 | NR | ug/L |
|  | 13100   |  | 10300 |  | 16600 | NR | ug/L |
|  | 17138.3 |  | 57.51 |  | 70.18 | NC | ug/L |
|  | 19700   |  | 18700 |  | 21500 | NR | ug/L |
|  | 21000   |  | 15900 |  | 27800 | NR | ug/L |
|  | 26000   |  | NR    |  | NR    | NR | ug/L |
|  | 27500   |  | 20600 |  | 36600 | NR | ug/L |



| Media Type | Test Location | Reference Number | Author   |
|------------|---------------|------------------|--|
| FW         | LAB           | 344              | Office of Pesticide Programs   |
| FW         | LAB           | 18093            | Fairchild, J.F., D.S. Ruessler, P.S. Haverland, and A.R. Carlson             |
| FW         | LAB           | 102060           | Fai, P.B., A. Grant, and B. Reid   |
| FW         | LAB           | 61707            | Fairchild, J.F., S.D. Ruessler, M.K. Nelson, and A.R. Carlson                |
| FW         | LAB           | 19461            | Fairchild, J.F., D.S. Ruessler, and A.R. Carlson                             |
| FW         | LAB           | 95833            | PAVIC, Z., B. Stjepanovic, J. Horvatic, V. Persic, D. Puntaric, and J. Culig |
| FW         | LAB           | 72796            | Michel, A., R.D. Johnson, S.O. Duke, and B.E. Scheffler                      |
| FW         | LAB           | 95833            | PAVIC, Z., B. Stjepanovic, J. Horvatic, V. Persic, D. Puntaric, and J. Culig |
| FW         | LAB           | 61707            | Fairchild, J.F., S.D. Ruessler, M.K. Nelson, and A.R. Carlson                |
| FW         | LAB           | 19461            | Fairchild, J.F., D.S. Ruessler, and A.R. Carlson                             |
| FW         | LAB           | 118780           | Bian, H., J. Chen, X. Cai, P. Liu, Y. Wang, L. Huang, X. Qiao, and C. Hao    |
| FW         | LAB           | 71619            | Blackburn, R.A.  |
| FW         | LAB           | 73426            | Jungmanns, M., T. Backhaus, M. Faust, M. Scholze, and L.H. Grimme            |
| FW         | LAB           | 61707            | Fairchild, J.F., S.D. Ruessler, M.K. Nelson, and A.R. Carlson                |
| FW         | LAB           | 4338             | Anton, F.A., M. Ariz, and M. Alia  |
| FW         | LAB           | 78497            | Grossmann, K., R. Berghaus, and G. Retzlaff                                  |

|    |     |        |   |
|----|-----|--------|---|
| FW | LAB | 4338   | Anton, F.A., M. Ariz, and M. Alia   |
| FW | LAB | 61707  | Fairchild, J.F., S.D. Ruessler, M.K. Nelson, and A.R. Carlson                 |
| FW | LAB | 18093  | Fairchild, J.F., D.S. Ruessler, P.S. Haverland, and A.R. Carlson              |
| FW | LAB | 19461  | Fairchild, J.F., D.S. Ruessler, and A.R. Carlson                              |
| FW | LAB | 19461  | Fairchild, J.F., D.S. Ruessler, and A.R. Carlson                              |
| SW | LAB | 105925 | Doherty, M.A.   |
| FW | LAB | 95833  | Pavlic, Z., B. Stjepanovic, J. Horvatic, V. Persic, D. Puntaric, and J. Culig |
| FW | LAB | 95833  | Pavlic, Z., B. Stjepanovic, J. Horvatic, V. Persic, D. Puntaric, and J. Culig |
| FW | LAB | 344    | Office of Pesticide Programs  |
| FW | LAB | 19461  | Fairchild, J.F., D.S. Ruessler, and A.R. Carlson                              |
| FW | LAB | 61707  | Fairchild, J.F., S.D. Ruessler, M.K. Nelson, and A.R. Carlson                 |
| FW | LAB | 7485   | Hawxby, K., B. Tubea, J. Ownby, and E. Basler                                 |
| FW | LAB | 10392  | Bresch, H.  |
| FW | LAB | 344    | Office of Pesticide Programs  |
| FW | LAB | 6797   | Mayer, F.L., Jr., and M.R. Ellersieck   |
| FW | LAB | 3590   | Oris, J.T., R.W. Winner, and M.V. Moore                                       |
| FW | LAB | 344    | Office of Pesticide Programs  |

|    |     |        |  |
|----|-----|--------|--|
| FW | LAB | 6797   | Mayer, F.L., Jr., and M.R. Ellersieck  |
| FW | LAB | 71619  | Blackburn, R.A.  |
| FW | LAB | 4366   | Chaturvedi, L.D., and K. Agrawal   |
| FW | LAB | 4366   | Chaturvedi, L.D., and K. Agrawal   |
| FW | LAB | 3590   | Oris, J.T., R.W. Winner, and M.V. Moore  |
| FW | LAB | 6797   | Mayer, F.L., Jr., and M.R. Ellersieck  |
| FW | LAB | 4366   | Chaturvedi, L.D., and K. Agrawal   |
| FW | LAB | 71619  | Blackburn, R.A.  |
| FW | LAB | 105141 | Yi, X., H. Ding, Y. Lu, H. Liu, M. Zhang, and W. Jiang                                   |
| FW | LAB | 10635  | Can, D.J., L.T. BROOKE, R.J. Kent, S.H. Poirier, M.L. Knuth, P.J. Shubat, and E.J. Slick |
| FW | LAB | 15031  | Broderius, S.J., M.D. Kahl, and M.D. Hoglund   |
| FW | LAB | 344    | Office of Pesticide Programs   |
| SW | LAB | 106637 | Pennington, P.L.   |
| FW | LAB | 3590   | Oris, J.T., R.W. Winner, and M.V. Moore  |
| FW | LAB | 10635  | Can, D.J., L.T. BROOKE, R.J. Kent, S.H. Poirier, M.L. Knuth, P.J. Shubat, and E.J. Slick |
| FW | LAB | 3590   | Oris, J.T., R.W. Winner, and M.V. Moore  |
| SW | LAB | 111315 | Lee, K.W., S. Raisuddin, D.S. Hwang, H.G. Park, and J.S. Lee                             |

|    |     |       |   |
|----|-----|-------|---|
| FW | LAB | 3590  | Oris, J.T., R.W. Winner, and<br>M.V. Moore  |
| FW | LAB | 10635 | Call, D.J., L.T. BROOKE, R.J.<br>Kent, S.H. Poirier, M.L. Knuth,<br>P.J. Shubat, and E.J. Slick |
| FW | LAB | 3914  | Buhl, K.J., and N.L. Faerber  |
| FW | LAB | 12858 | Geiger, D.L., S.H. Poirier, L.T.<br>Brooke, and D.J. Call                                       |
| FW | LAB | 6797  | Mayer, F.L., Jr., and M.R.<br>Ellersieck  |
| FW | LAB | 3914  | Buhl, K.J., and N.L. Faerber  |
| FW | LAB | 18621 | Pantani, C., G. Pannunzio, M.<br>De Cristofaro, A.A. Novelli,<br>and M. Salvatori               |
| FW | LAB | 3914  | Buhl, K.J., and N.L. Faerber  |
| FW | LAB | 65836 | Osano, O., W. Admiraal, H.J.C.<br>Klamer, D. Pastor, and E.A.J.<br>Bleeker                      |
| FW | LAB | 18621 | Pantani, C., G. Pannunzio, M.<br>De Cristofaro, A.A. Novelli,<br>and M. Salvatori               |
| FW | LAB | 6797  | Mayer, F.L., Jr., and M.R.<br>Ellersieck  |
| FW | LAB | 748   | Takacs, R.L., R.B., Jr. Forward,<br>and W. Kirby-Smith  |
| FW | LAB | 3914  | Buhl, K.J., and N.L. Faerber  |

| Title  | Source  | Publication Year |
|--|---|------------------|
| Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))   | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.                                    | 2000             |
| Comparative sensitivity of <i>Selenastrum capricornutum</i> and <i>Lemna minor</i> to Sixteen Herbicides                   | Arch. Environ. Contam. Toxicol.32(4): 353-357   | 1997             |
| Chlorophyll a Fluorescence as a Biomarker for Rapid Toxicity Assessment  | Environ. Toxicol. Chem.26(7): 1520-1531   | 2007             |
| An Aquatic Risk Assessment of Four Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes           | Presented at the 1994 Meet. of the Soc. of Environ. Toxicol. Chem., Oct.30-Nov.3, 1994, Denver, CO: 8 | 1994             |
| Comparative Sensitivity of Five Species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and     | Environ. Toxicol. Chem.17(9): 1830-1834   | 1998             |
| Comparative Sensitivity of Green Algae to Herbicides Using Erlenmeyer Flask and Microplate Growth-Inhibition Assays        | Bull. Environ. Contam. Toxicol.76(5): 883-890   | 2006             |
| Dose-response Relationships between Herbicides with Different Modes of Action and Growth of <i>Lemna paucicostata</i> : An | Environ. Toxicol. Chem.23(4): 1074-1079   | 2004             |
| Comparative Sensitivity of Green Algae to Herbicides Using Erlenmeyer Flask and Microplate Growth-Inhibition Assays        | Bull. Environ. Contam. Toxicol.76(5): 883-890   | 2006             |
| An Aquatic Risk Assessment of Four Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes           | Presented at the 1994 Meet. of the Soc. of Environ. Toxicol. Chem., Oct.30-Nov.3, 1994, Denver, CO: 8 | 1994             |
| Comparative Sensitivity of Five Species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and     | Environ. Toxicol. Chem.17(9): 1830-1834   | 1998             |
| Dechlorination of Chloroacetamide Herbicides by Plant Growth Regulator Sodium Bisulfite                                    | Water Res.43(14): 3566-3574   | 2009             |
| The Effects of Single and Joint Toxicity of Atrazine and Alachlor on Three Non-Target Aquatic Organisms                    | M.S.Thesis, Univ. of Kansas, Lawrence, KS: 163 p.   | 1985             |
| Predictability of Combined Effects of Eight Chloroacetanilide Herbicides on Algal Reproduction                             | Pest Manag. Sci.59(10): 1101-1110   | 2003             |
| An Aquatic Risk Assessment of Four Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes           | Presented at the 1994 Meet. of the Soc. of Environ. Toxicol. Chem., Oct.30-Nov.3, 1994, Denver, CO: 8 | 1994             |
| ECOTOXIC EFFECTS OF FOUR HERBICIDES (Glyphosate, Alachlor, Chlortoluron and Isoproturon) on the Algae <i>Chlorella</i>     | Sci. Total Environ. Suppl: 845-851  | 1993             |
| Heterotrophic Plant Cell Suspension Cultures for Monitoring Biological Activity in Agrochemical Research. Comparison with  | Pestic. Sci.35(3): 283-289  | 1992             |

|  |   |      |
|--|---|------|
| ECOTOXIC EFFECTS OF FOUR HERBICIDES (Glyphosate, Alachlor, Chlortoluron and Isoproturon) on the Algae <i>Chlorella</i> | Sci. Total Environ.Suppl: 845-851   | 1993 |
| AN AQUATIC RISK ASSESSMENT OF FOUR Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes       | Presented at the 1994 meet.of the Soc.of Environ.Toxicol.Chem., Oct.30-Nov.3, 1994, Denver, CO: 8 | 1994 |
| Comparative sensitivity of <i>Selenastrum capricornutum</i> and <i>Lemna minor</i> to Sixteen Herbicides               | Arch. Environ. Contam. Toxicol.32(4): 353-357   | 1997 |
| Comparative sensitivity of Five species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and | Environ. Toxicol. Chem.17(9): 1830-1834   | 1998 |
| Comparative sensitivity of Five species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and | Environ. Toxicol. Chem.17(9): 1830-1834   | 1998 |
| Biochemical Toxicology of Herbicide Mixtures on <i>Thalassiosira weissflogii</i>                                       | Ph.D.Thesis, Univ.of Maryland, College Park, MD: 276 p.   | 1997 |
| Comparative sensitivity of Green Algae to Herbicides Using Erlenmeyer Flask and Microplate Growth-Inhibition Assays    | Bull. Environ. Contam. Toxicol.76(5): 883-890   | 2006 |
| Comparative sensitivity of Green Algae to Herbicides Using Erlenmeyer Flask and Microplate Growth-Inhibition Assays    | Bull. Environ. Contam. Toxicol.76(5): 883-890   | 2006 |
| Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))                                       | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.                                | 2000 |
| Comparative sensitivity of Five species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and | Environ. Toxicol. Chem.17(9): 1830-1834   | 1998 |
| AN AQUATIC RISK ASSESSMENT OF FOUR Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes       | Presented at the 1994 meet.of the Soc.of Environ.Toxicol.Chem., Oct.30-Nov.3, 1994, Denver, CO: 8 | 1994 |
| Effects of Various Classes of Herbicides on Four Species of Algae  | Pestic. Biochem. Physiol.7(3): 203-209  | 1977 |
| Investigation of the Long-term Action of Xenobiotics on Fish with Special Regard to Reproduction                       | Ecotoxicol. Environ. Saf.6(1): 102-112  | 1982 |
| Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))                                       | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.                                | 2000 |
| Manual of Acute Toxicity, Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals          | Resour.Publ.No.100, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC: 505 p.                    | 1986 |
| A Four-Day Survival and Reproduction Toxicity Test for <i>Ceriodaphnia dubia</i>                                       | Environ. Toxicol. Chem.10(2): 217-224   | 1991 |
| Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))                                       | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.                                | 2000 |

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|--|--|------|
| Manual of Acute Toxicity. Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals                        | Resour.Publ.NO.160,<br>U.S.Dep.Interior, Fish Wildl.Serv.,<br>Washington, DC: 505 p. | 1986 |
| The Effects of Single and Joint Toxicity of Atrazine and Alachlor on Three Non-Target Aquatic Organisms                              | M.S.Thesis, Univ.of Kansas,<br>Lawrence, KS: 163 p.                                  | 1985 |
| Physiological Responses of Fish to Rogor and Alachlor Part I. General Impact on Heteropneustes fossilis                              | Uttar Pradesh J. Zool.11(2): 93-102  | 1991 |
| Physiological Responses of Fish to Rogor and Alachlor Part I. General Impact on Heteropneustes fossilis                              | Uttar Pradesh J. Zool.11(2): 93-102  | 1991 |
| A Four-Day Survival and Reproduction Toxicity Test for Ceriodaphnia dubia  | Environ. Toxicol. Chem.10(2): 217-224  | 1991 |
| Manual of Acute Toxicity. Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals                        | Resour.Publ.NO.160,<br>U.S.Dep.Interior, Fish Wildl.Serv.,<br>Washington, DC: 505 p. | 1986 |
| Physiological Responses of Fish to Rogor and Alachlor Part I. General Impact on Heteropneustes fossilis                              | Uttar Pradesh J. Zool.11(2): 93-102  | 1991 |
| The Effects of Single and Joint Toxicity of Atrazine and Alachlor on Three Non-Target Aquatic Organisms                              | M.S.Thesis, Univ.of Kansas,<br>Lawrence, KS: 163 p.                                  | 1985 |
| Effects of Long-term Atrachlor Exposure on Hepatic Antioxidant Defense and Detoxifying Enzyme Activities in Crucian Carp (Carassius) | Chemosphere68(8): 1576-1581  | 2007 |
| Toxicity, Uptake, and Elimination of the Herbicides Alachlor and Dinoseb in Freshwater Fish  | J. Environ. Qual.13(3): 493-498  | 1984 |
| Use of Joint Toxic Response to Define the Primary Mode of Toxic Action for Diverse Industrial Organic Chemicals                      | Environ. Toxicol. Chem.14(9): 1591-1605  | 1995 |
| Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB))   | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.                   | 2000 |
| The Toxicity of the Herbicides Atrazine and Alachlor on the Estuarine Phytoplankter Pavlova sp. (Prymnesiophyceae) with an           | M.S.Thesis, Univ.of Charleston,<br>Charleston, SC: 142 p.                            | 1996 |
| A Four-Day Survival and Reproduction Toxicity Test for Ceriodaphnia dubia  | Environ. Toxicol. Chem.10(2): 217-224  | 1991 |
| Toxicity, Uptake, and Elimination of the Herbicides Alachlor and Dinoseb in Freshwater Fish  | J. Environ. Qual.13(3): 493-498  | 1984 |
| A Four-Day Survival and Reproduction Toxicity Test for Ceriodaphnia dubia  | Environ. Toxicol. Chem.10(2): 217-224  | 1991 |
| Acute Toxicities of Trace Metals and Common Xenobiotics to the Marine Copepod Tigriopus Japonicus: Evaluation of Its Use as a        | Environ. Toxicol.22(5): 532-538  | 2007 |

|  |   |      |
|--|---|------|
| A Four-Day Survival and Reproduction Toxicity Test for <i>Ceriodaphnia dubia</i>   | Environ. Toxicol. Chem.10(2): 217-224   | 1991 |
| Toxicity, Uptake, and Elimination of the Herbicides Alachlor and Dinoseb in Freshwater Fish  | J. Environ. Qual.13(3): 493-498   | 1984 |
| Acute Toxicity of Selected Herbicides and Surfactants to Larvae of the Midge <i>Chironomus riparius</i>                                  | Arch. Environ. Contam. Toxicol.18(4): 530-536   | 1989 |
| Acute Toxicities of Organic Chemicals to Fathead Minnows ( <i>Pimephales promelas</i> ) Volume III                                       | Center for Lake Superior Environmental Studies, University of Wisconsin, Superior, WI: 328 p. | 1986 |
| Manual of Acute Toxicity. Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals                            | Resour. Publ. NO. 160, U.S. Dep. Interior, Fish Wildl. Serv., Washington, DC: 505 p.          | 1986 |
| Acute Toxicity of Selected Herbicides and Surfactants to Larvae of the Midge <i>Chironomus riparius</i>                                  | Arch. Environ. Contam. Toxicol.18(4): 530-536   | 1989 |
| Comparative Acute Toxicity of Some Pesticides, Metals, and Surfactants to <i>Gammarus italicus</i> Goedm. and                            | Bull. Environ. Contam. Toxicol.59(6): 963-967   | 1997 |
| Acute Toxicity of Selected Herbicides and Surfactants to Larvae of the Midge <i>Chironomus riparius</i>                                  | Arch. Environ. Contam. Toxicol.18(4): 530-536   | 1989 |
| Comparative Toxic and Genotoxic Effects of Chloroacetanilides, Formamidines and Their Degradation Products on <i>Vibrio fischeri</i> and | Environ. Pollut.119(2): 195-202   | 2002 |
| Comparative Acute Toxicity of Some Pesticides, Metals, and Surfactants to <i>Gammarus italicus</i> Goedm. and                            | Bull. Environ. Contam. Toxicol.59(6): 963-967   | 1997 |
| Manual of Acute Toxicity. Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals                            | Resour. Publ. NO. 160, U.S. Dep. Interior, Fish Wildl. Serv., Washington, DC: 505 p.          | 1986 |
| Effects of the Herbicide Alachlor on Larval Development of the Mud Crab, <i>Rhithropanopeus harrisii</i> (Gould)                         | Estuaries11(2): 79-82   | 1988 |
| Acute Toxicity of Selected Herbicides and Surfactants to Larvae of the Midge <i>Chironomus riparius</i>                                  | Arch. Environ. Contam. Toxicol.18(4): 530-536   | 1989 |



| Comments     | Changes                | Purity   |
|--------------|------------------------|--|
|              |                        | F: 98,6%   |
|              |                        |  |
|              |                        | F:100%/Comment:ALACHLOR/Solvent:Sulfinyl bis(methane) DMSO |
|              |                        | F:NR/Comment:ALACHLOR                                      |
|              |                        |  |
|              |                        | F: 99,9%/Form:PU/Comment:ALACHLOR                          |
| exp. type OK | uM to ug/L (0,052)     |  |
|              |                        | F: 99,9%/Form:PU/Comment:ALACHLOR                          |
|              |                        | F:NR/Comment:ALACHLOR                                      |
|              |                        |  |
|              |                        |  |
|              | nM/L to ug/L (140,1)   |  |
|              |                        | F:NR/ Comment:ALACHLOR                                     |
|              |                        |  |
|              | M to ug/L (0,00000044) | F:100%/Solvent:Methanol                                    |

|  |  |   |
|--|--|---|
|  |  |   |
|  |  | F:NR/Comment:ALACHLOR                         |
|  |  |   |
|  |  |   |
|  |  |   |
|  |  | F:>=98%/Comment:ALACHLOR/Solvent:Methanol     |
|  |  | F:99,9%/Form:PU/<br>Comment:ALACHLOR          |
|  |  | F:99,9%/Form:PU/<br>Comment:ALACHLOR          |
|  |  | F: 93,8%                                      |
|  |  |   |
|  |  | F:NR/Comment:ALACHLOR                         |
|  | uM to ug/L (5,3)/media type<br>NR to <b>FW</b> |   |
|  | conc calculated from min&max                   | F:NR/Solvent:Ethanol                          |
|  |  | F: 90%  |
|  |  | F:100%/Form:PU/Comment:<br>TECHNICAL MATERIAL |
|  |  |   |
|  |  | F:90%   |

|              |                               |   |
|--------------|-------------------------------|---|
|              |                               | F:93% / Form:<br>PU/Comment:TECHNICAL MATERIAL                  |
|              |                               |   |
| exp. type NR |                               |   |
| exp. type NR |                               |   |
|              |                               |   |
|              |                               | F:100%/Form:PU/Comment:<br>TECHNICAL MATERIAL                   |
| exp. type NR |                               |   |
|              |                               |   |
|              | exp.type changed from NR to R | F:99% /<br>Form:PU/Comment:ALACHLOR                             |
|              |                               |   |
|              |                               |   |
|              |                               | F:93,8%   |
|              |                               |   |
|              |                               |   |
|              |                               |   |
|              |                               | F:99,9%/Comment:ALACHLOR/Solve<br>nt:Sulfinyl bis(methane) DMSO |

|             |                    |  |
|-------------|--------------------|--|
|             |                    |  |
|             |                    |  |
|             |                    |  |
|             |                    |  |
|             |                    | F:100%/Form:PU/Comment:<br>TECHNICAL MATERIAL                      |
|             |                    |  |
| exp.type OK |                    | F:99%/Comment:ALACHLOR/<br>Form:PU/Solvent:2-Propanone or<br>water |
|             |                    |  |
|             | uM to ug/L (63,53) |  |
| exp.type OK |                    | F:99%/Comment:ALACHLOR/<br>Form:PU/Solvent:2-Propanone or<br>water |
|             |                    | F:93% / Form:<br>PU/Comment:TECHNICAL MATERIAL                     |
|             |                    |  |
|             |                    |  |
|             |                    |  |

|                                |
|--------------------------------|
| Duplicates                     |
|                                |
|                                |
|                                |
| dupl:diff.eff.meas/diff.source |
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|                                |
| dupl:diff.eff.meas/diff.source |
|                                |
|                                |









| Number | CAS Number | Chemical Name | Species Scientific Name         | Species Common Name |
|--------|------------|---------------|---------------------------------|---------------------|
| 26     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 28     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 42     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 27     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 24     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 321    | 15972608   | N-(2,6-       | Lemna aequinoctiales            | Duckweed            |
| 25     | 15972608   | N-(2,6-       | Pseudokirchneriella subcapitata | Green Algae         |
| 8      | 15972608   | N-(2,6-       | Chlorella kessleri              | Green Algae         |
| 13     | 15972608   | N-(2,6-       | Chlorella sp.                   | Green Algae         |
| 15     | 15972608   | N-(2,6-       | Chlorella vulgaris              | Green Algae         |
| 30     | 15972608   | N-(2,6-       | Scenedesmus acutus var. acutus  | Green Algae         |
| 9      | 15972608   | N-(2,6-       | Chlorella kessleri              | Green Algae         |
| 322    | 15972608   | N-(2,6-       | Lemna minor                     | Duckweed            |
| 7      | 15972608   | N-(2,6-       | Chlorella fusca ssp. vacuolata  | Green Algae         |
| 12     | 15972608   | N-(2,6-       | Chlorella pyrenoidosa           | Green Algae         |
| 43     | 15972608   | N-(2,6-       | Scenedesmus acutus              | Green Algae         |
| 11     | 15972608   | N-(2,6-       | Chlorella pyrenoidosa           | Green Algae         |
| 326    | 15972608   | N-(2,6-       | Lemna minor                     | Duckweed            |
| 5      | 15972608   | N-(2,6-       | Chlamydomonas reinhardtii       | Green Algae         |
| 325    | 15972608   | N-(2,6-       | Lemna minor                     | Duckweed            |
| 35     | 15972608   | N-(2,6-       | Thalassiosira weissflogii       | Diatom              |
| 17     | 15972608   | N-(2,6-       | Desmodesmus subspicatus         | Green Algae         |
| 18     | 15972608   | N-(2,6-       | Desmodesmus subspicatus         | Green Algae         |
| 251    | 15972608   | N-(2,6-       | Oncorhynchus mykiss             | Rainbow Trout       |
| 31     | 15972608   | N-(2,6-       | Scenedesmus quadricauda         | Green Algae         |
| 32     | 15972608   | N-(2,6-       | Scenedesmus sp.                 | Green Algae         |
| 10     | 15972608   | N-(2,6-       | Chlorella pyrenoidosa           | Green Algae         |
| 224    | 15972608   | N-(2,6-       | Danio rerio                     | Zebra Danio         |
| 252    | 15972608   | N-(2,6-       | Oncorhynchus mykiss             | Rainbow Trout       |
| 248    | 15972608   | N-(2,6-       | Oncorhynchus mykiss             | Rainbow Trout       |

|     |          |                                 |                         |                      |
|-----|----------|---------------------------------|-------------------------|----------------------|
| 150 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Ceriodaphnia dubia      | Water Flea           |
| 238 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Lepomis macrochirus     | Bluegill             |
| 364 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus plumosus     | Midge                |
| 261 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 111 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Xenopus laevis          | African Clawed Frog  |
| 229 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Heteropneustes fossilis | Indian Catfish       |
| 228 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Heteropneustes fossilis | Indian Catfish       |
| 151 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Ceriodaphnia dubia      | Water Flea           |
| 236 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Lepomis macrochirus     | Bluegill             |
| 227 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Heteropneustes fossilis | Indian Catfish       |
| 262 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 218 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Carassius auratus       | Goldfish             |
| 265 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 266 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 239 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Lepomis macrochirus     | Bluegill             |
| 23  | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pavlova sp.             | Chrysophyte          |
| 148 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Ceriodaphnia dubia      | Water Flea           |
| 264 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 149 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Ceriodaphnia dubia      | Water Flea           |
| 164 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Tigriopus japonicus     | Harpacticoid Copepod |
| 153 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Ceriodaphnia dubia      | Water Flea           |
| 263 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Pimephales promelas     | Fathead Minnow       |
| 367 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus riparius     | Midge                |
| 233 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Lepomis macrochirus     | Bluegill             |
| 368 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus riparius     | Midge                |
| 157 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Echinogammarus tibaldii | Amphipod             |
| 365 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus riparius     | Midge                |
| 369 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus riparius     | Midge                |
| 158 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Gammarus italicus       | Scud                 |
| 139 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Daphnia magna           | Water Flea           |
| 160 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Rhithropanopeus harrisi | Mud Crab             |
| 366 | 15972608 | <del>Z-Chloro-</del><br>N-(2,6- | Chironomus riparius     | Midge                |

| Species Group                    | Endpoint | Effect | Measurement | Response Site | Site Description | Duration Op (Days) | Duration (Days) |
|----------------------------------|----------|--------|-------------|---------------|------------------|--------------------|-----------------|
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 5               |
| Algae, Moss, Fungi               | EC50     | POP    | GPOP        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | IC50     | POP    | PGRT        | NR            | Reported         |                    | 3               |
| Algae, Moss, Fungi               | EC50     | POP    | CHLO        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Flowers, Trees,<br>Shrubs, Ferns | EC50     | GRO    | GGRT        | NR            | Reported         |                    | 7               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Algae, Moss, Fungi               | EC50     | POP    | PGRT        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | CHLO        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | PGRT        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Flowers, Trees,<br>Shrubs, Ferns | EC50     | POP    | ABND        | NR            | Reported         |                    | 7               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 1               |
| Algae, Moss, Fungi               | EC50     | POP    | GPOP        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | IC50     | POP    | ABND        | NR            | Reported         |                    | 1               |
| Algae, Moss, Fungi               | EC50     | POP    | GPOP        | NR            | Reported         |                    | 4               |
| Flowers, Trees,<br>Shrubs, Ferns | EC50     | POP    | GPOP        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | CHLO        | NR            | Reported         |                    | 4               |
| Flowers, Trees,<br>Shrubs, Ferns | EC50     | POP    | ABND        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | PGRT        | NR            | Reported         |                    | 2               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Algae, Moss, Fungi               | EC50     | POP    | ABND        | NR            | Reported         |                    | 3               |
| Fish                             | LC50     | MOR    | MORT        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | CHLO        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | PGRT        | NR            | Reported         |                    | 4               |
| Algae, Moss, Fungi               | EC50     | POP    | DBLT        | NR            | Reported         |                    | 1               |
| Fish                             | LC50*    | MOR    | MORT        | NR            | Reported         |                    | 4               |
| Fish                             | LC50     | MOR    | MORT        | NR            | Reported         |                    | 4               |
| Fish                             | LC50     | MOR    | MORT        | NR            | Reported         |                    | 4               |

|                    |      |     |      |    |                 |  |   |
|--------------------|------|-----|------|----|-----------------|--|---|
| Crustaceans        | IC50 | REP | GREP | NR | NOT<br>Reported |  | 7 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Insects/Spiders    | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 2 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 7 |
| Amphibians         | EC50 | DVP | ABNM | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 2 |
| Crustaceans        | IC50 | REP | GREP | NR | NOT<br>Reported |  | 7 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 1 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 7 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 2 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Algae, Moss, Fungi | EC50 | POP | PGRT | NR | NOT<br>Reported |  | 4 |
| Crustaceans        | IC50 | REP | GREP | NR | NOT<br>Reported |  | 4 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 2 |
| Crustaceans        | IC50 | REP | GREP | NR | NOT<br>Reported |  | 4 |
| Crustaceans        | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Crustaceans        | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 2 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 1 |
| Insects/Spiders    | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 2 |
| Fish               | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 1 |
| Insects/Spiders    | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 2 |
| Crustaceans        | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Insects/Spiders    | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 1 |
| Insects/Spiders    | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Crustaceans        | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Crustaceans        | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 2 |
| Crustaceans        | LC50 | MOR | MORT | NR | NOT<br>Reported |  | 4 |
| Insects/Spiders    | EC50 | ITX | IMBL | NR | NOT<br>Reported |  | 1 |

| Duration Op (Days) | Duration (Days) | Duration Op (Days) | Duration (Days) | Units (Days) | Exposure Type | Chemical Analysis | Trend | Effect Percent |
|--------------------|-----------------|--------------------|-----------------|--------------|---------------|-------------------|-------|----------------|
|                    | NR              |                    | NR              | d            | S             | NR                | NR    | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | NR            | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | S             | U                 | DEC   | NR             |
|                    | NR              |                    | NR              | d            | R             | U                 |       | NR             |
|                    | NR              |                    | NR              | d            | S             | NR                | NR    | NR             |
|                    | NR              |                    | NR              | d            | S             | NR                | INC   | NR             |

|  |    |  |    |   |    |    |     |    |
|--|----|--|----|---|----|----|-----|----|
|  | NR |  | NR | d | R  | M  | NR  | NR |
|  | NR |  | NR | d | S  | NR | NR  | NR |
|  | NR |  | NR | d | S  | NR | INC | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | NR | U  |     | NR |
|  | NR |  | NR | d | NR | U  |     | NR |
|  | NR |  | NR | d | R  | M  | NR  | NR |
|  | NR |  | NR | d | S  | NR | INC | NR |
|  | NR |  | NR | d | NR | U  |     | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | F  | M  | INC | NR |
|  | NR |  | NR | d | F  | M  | INC | NR |
|  | NR |  | NR | d | S  | NR | NR  | NR |
|  | NR |  | NR | d | S  | U  | DEC | NR |
|  | NR |  | NR | d | R  | M  | NR  | NR |
|  | NR |  | NR | d | F  | M  | INC | NR |
|  | NR |  | NR | d | R  | M  | NR  | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | S  | M  | INC | NR |
|  | NR |  | NR | d | F  | M  | INC | NR |
|  | NR |  | NR | d | S  | U  |     | NR |
|  | NR |  | NR | d | S  | NR | INC | NR |
|  | NR |  | NR | d | S  | U  |     | NR |
|  | NR |  | NR | d | NR | U  | INC | NR |
|  | NR |  | NR | d | S  | U  |     | NR |
|  | NR |  | NR | d | S  | M  | INC | NR |
|  | NR |  | NR | d | NR | U  | INC | NR |
|  | NR |  | NR | d | S  | NR | INC | NR |
|  | NR |  | NR | d | R  | U  | INC | NR |
|  | NR |  | NR | d | S  | U  |     | NR |

| Percent Min | Percent Max | Significance | Significance Level | Type (ug/L) | Conc 1 Op (ug/L) | Conc 1 (ug/L) | Min Op (ug/L) | Conc Min 1 (ug/L) |
|-------------|-------------|--------------|--------------------|-------------|------------------|---------------|---------------|-------------------|
| NR          | NR          | NA           | NA                 | F           |                  | 1.64          |               | 1.48              |
| NR          |             | NA           | NA                 | A           |                  | 6             |               | 4                 |
| NR          | NR          | NA           | NA                 | F           |                  | 6.5           |               | 6.2               |
| NR          | NR          | NA           | NA                 | A           |                  | 10            |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 12            |               | NR                |
| NR          | NR          | NA           | NA                 | A           |                  | 14.028        |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 15            |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 22            |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 26            |               | 16                |
| NR          | NR          | NA           | NA                 | A           |                  | 26            |               | 16                |
| NR          | NR          | NA           | NA                 | A           |                  | 27            |               | 19                |
| NR          | NR          | NA           | NA                 | F           |                  | 32            |               | NR                |
| NR          | NR          | NA           | NA                 | A           |                  | 35.23         |               | 30.6              |
| NR          | NR          | NA           | NA                 | A           |                  | 37.79         |               | 132.2             |
| NR          |             | NR           | NR                 | A           |                  | 96            |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 118.69        |               | NR                |
| NR          |             | NR           | NR                 | A           |                  | 126           |               | NR                |
| NR          |             | NA           | NA                 | A           |                  | 198           |               | 80                |
| NR          | NR          | NA           | NA                 | A           |                  | 460           |               | 388               |
| NR          | NR          | NA           | NA                 | A           |                  | 482           |               | 332               |
| NR          | NR          | NA           | NA                 | F           |                  | 672           |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 880           |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 995           |               | NR                |
| NR          | NR          | NA           | NA                 | F           |                  | 1000          |               | 840               |
| NR          | NR          | NA           | NA                 | A           |                  | 1328          |               | 986               |
| NR          | NR          | NA           | NA                 | F           |                  | 1328          |               | 986               |
| NR          | NR          | NA           | NA                 | A           |                  | 1429.76       |               | NR                |
| NR          |             | NA           | NA                 | F           |                  | 1750          |               | 800               |
| NR          | NR          | NA           | NA                 | F           |                  | 1800          |               | 1500              |
| NR          | NR          | NA           | NA                 | F           |                  | 2400          |               | 1840              |

|    |    |    |    |   |  |         |  |         |
|----|----|----|----|---|--|---------|--|---------|
| NR |    | NA | NA | A |  | 2500    |  | NR      |
| NR | NR | NA | NA | F |  | 2800    |  | 2500    |
| NR | NR | NA | NA | F |  | 3200    |  | 2300    |
| NR | NR | NA | NA | A |  | 3580    |  | 3080    |
| NR | NR | NA | NA | F |  | 3587.9  |  | 5.38    |
| NR |    | NA | NA | A |  | 3732    |  | 3686    |
| NR |    | NA | NA | A |  | 4162    |  | 4123    |
| NR |    | NA | NA | A |  | 4300    |  | NR      |
| NR | NR | NA | NA | F |  | 4300    |  | 3530    |
| NR |    | NA | NA | A |  | 4430    |  | 4375    |
| NR | NR | NA | NA | A |  | 4880    |  | 4260    |
| NR | NR | NA | NA | F |  | 5000    |  | NR      |
| NR | NR | NA | NA | A |  | 5000    |  | 4500    |
| NR |    | NA | NA | A |  | 5000    |  | NR      |
| NR | NR | NA | NA | F |  | 5600    |  | 4700    |
| NR | NR | NA | NA | A |  | 5660.95 |  | 5239.25 |
| NR |    | NA | NA | A |  | 5900    |  | NR      |
| NR | NR | NA | NA | A |  | 6600    |  | 6300    |
| NR |    | NA | NA | A |  | 7300    |  | NR      |
| NR | NR | NA | NA | F |  | 7300    |  | 4800    |
| NR |    | NA | NA | A |  | 7900    |  | NR      |
| NR | NR | NA | NA | A |  | 9900    |  | 9300    |
| NR |    | NA | NA | A |  | 10000   |  | 7400    |
| NR | NR | NA | NA | F |  | 11500   |  | 8580    |
| NR |    | NA | NA | A |  | 12500   |  | 9700    |
| NR |    | NA | NA | F |  | 13000   |  | 12500   |
| NR |    | NA | NA | A |  | 13100   |  | 10300   |
| NR | NR | NA | NA | A |  | 17138.3 |  | 57.51   |
| NR |    | NA | NA | F |  | 19700   |  | 18700   |
| NR | NR | NA | NA | F |  | 21000   |  | 15900   |
| NR | NR | NA | NA | A |  | 26000   |  | NR      |
| NR |    | NA | NA | A |  | 27500   |  | 20600   |



| Max Op (ug/L) | Max (ug/L) | Conc 2 (ug/L) | Units (ug/L) | Media Type | Test Location | Reference Number | Author                 | Title                |
|---------------|------------|---------------|--------------|------------|---------------|------------------|------------------------|----------------------|
|               | 1.82       | NR            | ug/L         | FW         | LAB           | 344              | Office of Pesticide    | Pesticide Ecotoxicit |
|               | 9          | NR            | ug/L         | FW         | LAB           | 18093            | Parrinello, J.F., D.S. | Comparati ve         |
|               | 6.9        | NC            | ug/L         | FW         | LAB           | 102060           | Pai, P.B., A. Grant,   | Chlorophy lla        |
|               | NR         | NR            | ug/L         | FW         | LAB           | 19461            | Parrinello, J.F., D.S. | Comparati ve         |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | NR         | NC            | ug/L         | FW         | LAB           | 72796            | Michiel, A., R.D.      | Dose-Response        |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | 35         | NR            | ug/L         | FW         | LAB           | 61707            | Parrinello, J.F., S.D. | An Aquatic           |
|               | 35         | NR            | ug/L         | FW         | LAB           | 19461            | Parrinello, J.F., D.S. | Comparati ve         |
|               | 37         | NR            | ug/L         | FW         | LAB           | 118780           | Blair, H., J. Chen, X. | Dechlorin ation of   |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | 40.57      | NC            | ug/L         | FW         | LAB           | 71619            | Blackburn, R.A.        | Effects of           |
|               | 147.8      | NC            | ug/L         | FW         | LAB           | 73426            | Jungblans, M., T.      | Predictabi lity of   |
|               | NR         | NR            | ug/L         | FW         | LAB           | 4338             | Anton, F.A., M.        | Ecotoxic Effects of  |
|               | NR         | NC            | ug/L         | FW         | LAB           | 78497            | Grossman n, K., R.     | Heterotro phic Plant |
|               | NR         | NR            | ug/L         | FW         | LAB           | 4338             | Anton, F.A., M.        | Ecotoxic Effects of  |
|               | 316        | NR            | ug/L         | FW         | LAB           | 18093            | Parrinello, J.F., D.S. | Comparati ve         |
|               | 532        | NR            | ug/L         | FW         | LAB           | 19461            | Parrinello, J.F., D.S. | Comparati ve         |
|               | 632        | NR            | ug/L         | FW         | LAB           | 19461            | Parrinello, J.F., D.S. | Comparati ve         |
|               | NR         | NC            | ug/L         | SW         | LAB           | 105925           | Donerty, M.A.          | Biochemic al         |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | NR         | NC            | ug/L         | FW         | LAB           | 95833            | Pavlic, Z., B.         | Comparati ve         |
|               | 1200       | NR            | ug/L         | FW         | LAB           | 344              | Office of Pesticide    | Pesticide Ecotoxicit |
|               | 1669       | NR            | ug/L         | FW         | LAB           | 19461            | Parrinello, J.F., D.S. | Comparati ve         |
|               | 1669       | NR            | ug/L         | FW         | LAB           | 61707            | Parrinello, J.F., S.D. | An Aquatic           |
|               | NR         | NR            | ug/L         | FW         | LAB           | 7485             | Hawxby, K., B.         | Effects of Various   |
|               | 2700       | NR            | ug/L         | FW         | LAB           | 10392            | Bresch, H.             | on of the            |
|               | 2100       | NR            | ug/L         | FW         | LAB           | 344              | Office of Pesticide    | Pesticide Ecotoxicit |
|               | 3120       | NR            | ug/L         | FW         | LAB           | 6797             | Mayer, F.L., Jr.,      | Manual of Acute      |

|  |         |    |      |    |     |        |                          |                         |
|--|---------|----|------|----|-----|--------|--------------------------|-------------------------|
|  | NR      | NR | ug/L | FW | LAB | 3590   | Onis, J.T.,<br>R.W.      | A Four-<br>Day          |
|  | 3200    | NR | ug/L | FW | LAB | 344    | Office of<br>Pesticide   | Pesticide<br>Ecotoxicit |
|  | 4400    | NR | ug/L | FW | LAB | 6797   | Mayer,<br>F.L., Jr.,     | Manual of<br>Acute      |
|  | 4150    | NC | ug/L | FW | LAB | 71619  | Blackburn,<br>R.A.       | The<br>Effects of       |
|  | 21.22   | NC | ug/L | FW | LAB | 66376  | Osano, O.,<br>W.         | Developm<br>ental       |
|  | 3766    | NR | ug/L | FW | LAB | 4366   | Charurvedi,<br>L.D., and | Physiologi<br>cal       |
|  | 4202    | NR | ug/L | FW | LAB | 4366   | Charurvedi,<br>L.D., and | Physiologi<br>cal       |
|  | NR      | NR | ug/L | FW | LAB | 3590   | Onis, J.T.,<br>R.W.      | A Four-<br>Day          |
|  | 5500    | NR | ug/L | FW | LAB | 6797   | Mayer,<br>F.L., Jr.,     | Manual of<br>Acute      |
|  | 4467    | NR | ug/L | FW | LAB | 4366   | Charurvedi,<br>L.D., and | Physiologi<br>cal       |
|  | 5600    | NC | ug/L | FW | LAB | 71619  | Blackburn,<br>R.A.       | The<br>Effects of       |
|  | NR      | NC | ug/L | FW | LAB | 105141 | H, A., H.<br>Ding, Y.    | Effects of<br>Long-     |
|  | 5600    | NR | ug/L | FW | LAB | 10635  | Call, D.J.,<br>L.T.      | Toxicity,<br>Uptake,    |
|  | NR      | NR | ug/L | FW | LAB | 15031  | Brodenus,<br>S.J., M.D.  | Use of<br>Joint Toxic   |
|  | 6700    | NR | ug/L | FW | LAB | 344    | Office of<br>Pesticide   | Pesticide<br>Ecotoxicit |
|  | 6337.44 | NC | ug/L | SW | LAB | 106637 | Penningto<br>n, P.L.     | The<br>Toxicity of      |
|  | NR      | NR | ug/L | FW | LAB | 3590   | Onis, J.T.,<br>R.W.      | A Four-<br>Day          |
|  | 7000    | NR | ug/L | FW | LAB | 10635  | Call, D.J.,<br>L.T.      | Toxicity,<br>Uptake,    |
|  | NR      | NR | ug/L | FW | LAB | 3590   | Onis, J.T.,<br>R.W.      | A Four-<br>Day          |
|  | 10950   | NR | ug/L | SW | LAB | 111315 | Lee, K.W.,<br>S.         | Acute<br>Toxicities     |
|  | NR      | NR | ug/L | FW | LAB | 3590   | Onis, J.T.,<br>R.W.      | A Four-<br>Day          |
|  | 10600   | NR | ug/L | FW | LAB | 10635  | Call, D.J.,<br>L.T.      | Toxicity,<br>Uptake,    |
|  | 13400   | NR | ug/L | FW | LAB | 3914   | Burn, K.J.,<br>and N.L.  | Acute<br>Toxicity of    |
|  | 15410   | NR | ug/L | FW | LAB | 6797   | Mayer,<br>F.L., Jr.,     | Manual of<br>Acute      |
|  | 16100   | NR | ug/L | FW | LAB | 3914   | Burn, K.J.,<br>and N.L.  | Acute<br>Toxicity of    |
|  | 13500   | NR | ug/L | FW | LAB | 18621  | Pantani,<br>C., G.       | Comparati<br>ve Acute   |
|  | 16600   | NR | ug/L | FW | LAB | 3914   | Burn, K.J.,<br>and N.L.  | Acute<br>Toxicity of    |
|  | 70.18   | NC | ug/L | FW | LAB | 65836  | Osano, O.,<br>W.         | Comparati<br>ve Toxic   |
|  | 21500   | NR | ug/L | FW | LAB | 18621  | Pantani,<br>C., G.       | Comparati<br>ve Acute   |
|  | 27800   | NR | ug/L | FW | LAB | 6797   | Mayer,<br>F.L., Jr.,     | Manual of<br>Acute      |
|  | NR      | NR | ug/L | FW | LAB | 748    | Takacs,<br>R.L.,         | Effects of<br>the       |
|  | 36600   | NR | ug/L | FW | LAB | 3914   | Burn, K.J.,<br>and N.L.  | Acute<br>Toxicity of    |

| Source                       | Publication Year | Comments     | Changes               | Purity                | Duplicates |
|------------------------------|------------------|--------------|-----------------------|-----------------------|------------|
| Environmental Fate Arch.     | 2000             |              |                       | F: 98,6%              |            |
| Environ.                     | 1997             |              |                       |                       |            |
| Environ. Toxicol.            | 2007             |              |                       | F: 100%/Comment: A    |            |
| Environ. Toxicol.            | 1998             |              |                       |                       |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| Environ. Toxicol.            | 2004             | exp. type OK | µM to µg/L            |                       |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| Presented at the             | 1994             |              |                       | F: NRY/Comment: ALA   |            |
| Environ. Toxicol.            | 1998             |              |                       |                       |            |
| water Res.43(14)             | 2009             |              |                       |                       |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| M.S. Thesis, Univ. of Pest   | 1985             |              |                       |                       |            |
| Manag.                       | 2003             |              | µM to µg/L            |                       |            |
| Sci. Total Environ. Su       | 1993             |              |                       |                       |            |
| Pestic. Sci.35(3):           | 1992             |              | µM to µg/L (0,000000) | F: 100%/Solvent: Me   |            |
| Sci. Total Environ. Su       | 1993             |              |                       |                       |            |
| Environ. Arch.               | 1997             |              |                       |                       |            |
| Environ. Toxicol.            | 1998             |              |                       |                       |            |
| Environ. Toxicol.            | 1998             |              |                       |                       |            |
| Ph.D. Thesis, Univ. of Bull. | 1997             |              |                       | F: 99,9%/Form: PU/    |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| Environ. Bull.               | 2006             |              |                       | F: 99,9%/Form: PU/    |            |
| Environmental Fate Arch.     | 2000             |              |                       | F: 93,8%              |            |
| Environ. Toxicol.            | 1998             |              |                       |                       |            |
| Presented at the             | 1994             |              |                       | F: NRY/Comment: ALA   |            |
| Pestic. Biochem.             | 1977             |              | µM to µg/L            |                       |            |
| Ecotoxicol. Environ.         | 1982             |              | conc calculated       | F: NRY/Solvent: Ethan |            |
| Environmental Fate           | 2000             |              |                       | F: 90%                |            |
| Resour. Publ.No.160,         | 1986             |              |                       | F: 100%/Form: PU/C    |            |

|                           |      |                |                     |                         |  |
|---------------------------|------|----------------|---------------------|-------------------------|--|
| Environ.<br>Toxicol.      | 1991 |                |                     |                         |  |
| Environm<br>ental Fate    | 2000 |                |                     | F:90%                   |  |
| Resour.Pu<br>bl.No.160,   | 1986 |                |                     | F:95% /<br>Form:        |  |
| M.S.Thesis<br>, Univ.of   | 1985 |                |                     |                         |  |
| Environ.<br>Toxicol.      | 2002 |                | limit to<br>ug/L    | F:99% / Co<br>mment:AL  |  |
| Pradesh J.<br>Uttar       | 1991 | exp.type<br>NR |                     |                         |  |
| Pradesh J.<br>Uttar       | 1991 | exp.type<br>NR |                     |                         |  |
| Environ.<br>Toxicol.      | 1991 |                |                     |                         |  |
| Resour.Pu<br>bl.No.160,   | 1986 |                |                     | F:100% /<br>orm:PU/C    |  |
| Pradesh J.<br>Uttar       | 1991 | exp.type<br>NR |                     |                         |  |
| M.S.Thesis<br>, Univ.of   | 1985 |                |                     |                         |  |
| Chemosph<br>ere68(8):     | 2007 |                | exp.type<br>changed | F:99% /<br>Form:PU/     |  |
| J. Environ.<br>Qual.13(3) | 1984 |                |                     |                         |  |
| Environ.<br>Toxicol.      | 1995 |                |                     |                         |  |
| Environm<br>ental Fate    | 2000 |                |                     | F:93,8%                 |  |
| M.S.Thesis<br>, Univ.of   | 1996 |                |                     |                         |  |
| Environ.<br>Toxicol.      | 1991 |                |                     |                         |  |
| J. Environ.<br>Qual.13(3) | 1984 |                |                     |                         |  |
| Environ.<br>Toxicol.      | 1991 |                |                     |                         |  |
| Environ.<br>Toxicol.22    | 2007 |                |                     | F:99,9% / C<br>omment:A |  |
| Environ.<br>Toxicol.      | 1991 |                |                     |                         |  |
| J. Environ.<br>Qual.13(3) | 1984 |                |                     |                         |  |
| Atch.<br>Environ.         | 1989 |                |                     |                         |  |
| Resour.Pu<br>bl.No.160,   | 1986 |                |                     | F:100% /<br>orm:PU/C    |  |
| Atch.<br>Environ.         | 1989 |                |                     |                         |  |
| Environ.<br>Environ.      | 1997 | exp.type<br>OK |                     | F:99% / Co<br>mment:AL  |  |
| Atch.<br>Environ.         | 1989 |                |                     |                         |  |
| Environ.<br>Pollut.119    | 2002 |                | limit to<br>ug/L    |                         |  |
| Environ.<br>Environ.      | 1997 | exp.type<br>OK |                     | F:99% / Co<br>mment:AL  |  |
| Resour.Pu<br>bl.No.160,   | 1986 |                |                     | F:95% /<br>Form:        |  |
| Estuaries I<br>1(2): 79-  | 1988 |                |                     |                         |  |
| Atch.<br>Environ.         | 1989 |                |                     |                         |  |

| species                         | group                         | geomean     |
|---------------------------------|-------------------------------|-------------|
| Pseudokirchneriella subcapitata | Algae, Moss, Fungi            | 6.974774322 |
| Lemna aequinoctiales            | Flowers, Trees, Shrubs, Ferns | 14.028      |
| Chlorella sp.                   | Algae, Moss, Fungi            | 26          |
| Chlorella vulgaris              | Algae, Moss, Fungi            | 26          |
| Chlorella kessleri              | Algae, Moss, Fungi            | 26.53299832 |
| Chlorella fusca ssp. vacuolata  | Algae, Moss, Fungi            | 37.79       |
| Scenedesmus acutus              | Algae, Moss, Fungi            | 56.60945151 |
| Lemna minor                     | Flowers, Trees, Shrubs, Ferns | 149.8102828 |
| Chlorella pyrenoidosa           | Algae, Moss, Fungi            | 258.6038425 |
| Chlamydomonas reinhardtii       | Algae, Moss, Fungi            | 460         |
| Thalassiosira weissflogii       | Algae, Moss, Fungi            | 672         |
| Desmodesmus subspicatus         | Algae, Moss, Fungi            | 935.7350052 |
| Scenedesmus quadricauda         | Algae, Moss, Fungi            | 1328        |
| Oncorhynchus mykiss             | Fish                          | 1628.65057  |
| Danio rerio                     | Fish                          | 1750        |
| Chironomus plumosus             | Insects/Spiders               | 3200        |
| Xenopus laevis                  | Amphibians                    | 3587.9      |
| Heteropneustes fossilis         | Fish                          | 4097.784786 |
| Carassius auratus               | Fish                          | 5000        |
| Ceriodaphnia dubia              | Crustaceans                   | 5159.909511 |
| Lepomis macrochirus             | Fish                          | 5276.890576 |
| Pimephales promelas             | Fish                          | 5528.029236 |
| Pavlova sp.                     | Algae, Moss, Fungi            | 5660.95     |
| Tigriopus japonicus             | Crustaceans                   | 7300        |
| Echinogammarus tibaldii         | Crustaceans                   | 13000       |
| Chironomus riparius             | Insects/Spiders               | 15048.60867 |
| Gammarus italicus               | Crustaceans                   | 19700       |
| Daphnia magna                   | Crustaceans                   | 21000       |
| Rhithropanopeus harrisi         | Crustaceans                   | 26000       |