

Model Toxics Control Act Cleanup Levels and Risk Calculations (CLARC II) Update

February 1996

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Exhibit-2124

**Model Toxics Control Act (MTCA) Cleanup Levels and Risk Calculation
(CLARC II)
February 1996**

Introduction

This document is the annual update to the MTCA Cleanup Standards. The tables have been reprinted in their entirety, and this document can be used without the aid of previous versions of these tables. The attached summary (Pages 14-17) specify the revisions, as well as compounds recently added to the list. There is a new section for "Chemicals of Note" starting on Page 2. We are also including with this issue the Natural Background Soil Metals Concentrations summary (Page 13).

Reminders:

- **Excessively High-Risk Based Cleanup Levels**

The use of CLARC II data can result in the calculation of excessively large cleanup levels for approximately 100-125 contaminants. This occurs primarily in the Method C Industrial Soil Category for non-carcinogens. Percent level concentrations of contaminants such as chromium (III), 1,1-dichloroethane, xylenes, etc. have been calculated. Users of CLARC II should be aware that these calculated cleanup levels may not be acceptable for a site when considering other factors, such as the potential for cross-media contamination and the need to protect natural resources (groundwater, sediments, harvestable shellfish beds) and populations that may be at a disproportionate risk.

- **Rounded Values**

The CLARC II database includes reference doses. For printing purposes, the presentation of reference doses in this report are rounded "to four decimal places". That is, if they are less than "1" they will look like ".XXXX", where "X" is a whole number. This number may be rounded to four decimal places. Since reference doses become more important as they get smaller (the cleanup level will also get smaller) then it might be important to know the full value of the reference dose.

If necessary, please contact Barb Huether for the non-rounded values. Those numbers that are rounded "down" such as 0.00002 are shown as "0.0000". A number such as "0.00008" will be rounded "up" to "0.0001". Since this will make a difference in the calculation of hazard quotients, you should be aware of this when you see either ".0000" or ".000X".

Note that "0.0000" is not the same as no value being listed. When no value is listed there is no established reference dose, and a non-carcinogen cleanup value cannot be calculated.

Cancer potency factors also use "four decimal places." However, the effect is not as critical since smaller values become less consequential because they result in higher, not smaller cleanup values.

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Method B and Method C "Formula Values" listed in CLARC II are computed using the entire (not rounded) reference dose in the formula calculation, and are not effected by rounding.

- Groundwater

The Method B and Method C formula values for soil may not be sufficiently protective of groundwater. See WAC 173-340-740(3)(a) and (4)(b) and WAC 173-340-745(4)(a) for calculations ("**100 X Groundwater**") used to determine soil cleanup levels that will be protective of groundwater. For your convenience, **these values are included in this issue of CLARC II**, and will be included in all subsequent issues of CLARC II. In order to accommodate this addition, however, the still applicable air values were eliminated from the CLARC II tables.

- Inhalation Correction Factors

Inhalation values for "volatile" compounds can be difficult to determine. First, it is often difficult to determine if a substance should be classified volatile when it does not appear on the list of volatile analytes in the EPA lab methods. Second, consistent data on vapor pressure is often difficult to acquire. (The effect of the inhalation factor is a groundwater value divided by two if the substance is volatile.) In a few instances a substance was not classified as volatile because its solubility is so low as to make its presence in groundwater a non-issue.

Chemicals of Note:

- Arsenic

The gastrointestinal absorption factor for arsenic in soil is 0.4. The gastrointestinal absorption factor for all other substances is 1.

- Lead

Method A lead levels must be used for Methods B and C because there are no lead formula values. However, Ecology is currently reviewing the Integrated Exposure Uptake Biokinetic (IEUBK) model for lead for possible use in MTCA. A final decision has not been made at this time. The Ecology contact is Dick Boose (360-407-7190)

- Manganese

EPA recommends a "modifying factor" of 3 for the reference dose (RfD) for manganese (Mn). RfDs in CLARCII are not adjusted by modifying factors. If the modifying factor for Mn is used, the Method B and Method C cleanup levels for soil and water would be one-third the level. The pertinent sections of the "Integrated Risk Information System" (IRIS) state:

"This reference dose is for the total oral intake of manganese. As discussed in the Principal and Supporting Studies and Uncertainty and Modifying Factors Sections, it is recommended that a modifying factor of 3 be applied if this RfD is used for assessments involving nondietary exposures."

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EPA further states: ".....from this information taken together, EPA concludes that an appropriate reference dose for manganese is 10 mg/day (0.14 mg/kg-day). In applying the reference dose for manganese to a risk assessment, it is important that the assessor consider the ubiquitous nature of manganese, specifically that most individuals will be consuming about 1-5 mg Mn/day in their diet. This is particularly important when one is using the reference dose to determine acceptable concentrations of manganese in water and soils." Because of this recommendation, CLARC II no longer has a separate record for manganese in water.

- TPH

In addition to existing Method A values, Ecology is currently evaluating an approach for Methods B and C cleanup levels for total petroleum hydrocarbons (TPH).⁹ A final decision has not been made at this time.

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SUMMARY OF CLEANUP LEVEL METHODS

There are three methods used to determine cleanup levels; Methods A, B and C. Method A is appropriate for routine sites (see WAC 173-340-130 for a definition of routine site) or sites that involve relatively few hazardous substances. Numerical levels must be available for all indicator hazardous substances. Method B is the standard method for determining cleanup levels and is applicable to all sites. Method C is the conditional method where Method A or B may be impossible to achieve or may cause greater environmental harm. Cleanup level methods are established for ground water, surface water soil, industrial soil, and air.

Once cleanup levels have been established, all material (water, soil, etc.) above those levels must be addressed using one or a combination of cleanup technologies outlined in WAC 173-340-360(4). Decisions concerning appropriate remedy for each site are termed "Selection of Remedy." Criteria for remedy selection are outlined in WAC 173-340-360.

METHOD A LEVELS

Method A levels are at least as stringent as all of the following: (WAC 173-340-700(3)(a) and WAC 173-340-704(2)).

1. Applicable state and federal laws;
2. Table values listed in WAC 173-340-720, 740 and 745;
3. For substances not listed in the Method A tables, levels are either the practical quantification limit (PQL) or the natural background level.

Therefore, just because a chemical does not have a cleanup level listed in one of the tables in the rule, does not mean that there is no Method A value. Ecology has established guidance relative to PQLs, and information for defining background concentrations is in WAC 173-340-708(11).

METHOD B and C LEVELS

Method B and C levels for single substances in single media are developed from:

1. Applicable, relevant and appropriate requirements (ARARs) including maximum contaminant limits (MCLs), maximum contaminant level goals (MCLGs), secondary maximum contaminant levels (SMCLs) and ambient water quality criteria (AWQC, i.e., the Gold Book);
2. Formula values based on human health;
3. Method A values (for Method B cleanups) or Method A and B (for Method C cleanups);
4. Levels to protect the environment (e.g., levels which will prevent migration of hazardous substance from one medium to another with resultant violation of a cleanup level in the second medium or levels which will protect unique site characteristics;
5. Levels based on natural (Method B) or area (Method C) background levels of hazardous substances;
6. PQLs.

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Developing Method B and C levels involves several steps:

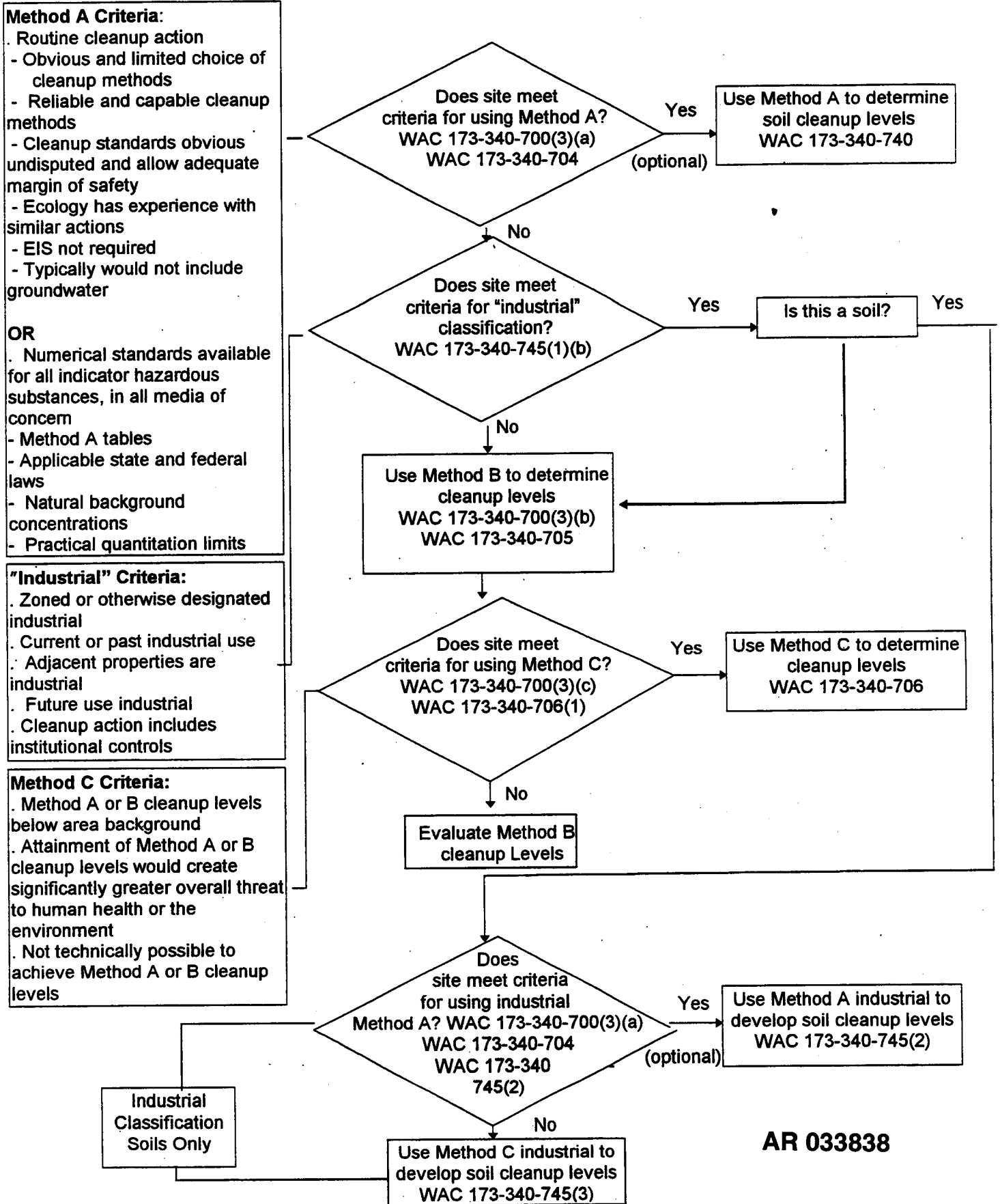
1. Determining which method to use;
2. Determining reasonable maximum exposure (WAC 173-340-708(3));
3. Developing cleanup levels for individual substances in individual media, taking into account potential cross-media contamination;
4. Determining what substances contribute to overall risks at the site (indicator hazardous substances). Criteria for selecting indicators are in WAC 173-340-708(2);
5. For substances which contribute to risks and hazards at a site, evaluating levels for single substances in single media to determine how they satisfy overall site risk and hazard when the presence of multiple hazardous substances and routes of exposure are considered (WAC 173-340-708(5) and (6));
6. Adjusting individual levels downward so that site risk and hazard limits specified in the MTCA are met.

Sites may use different methods for determining levels for different contaminants. There are limitations to mixing these methods:

1. When using Method A, no Method mixing is permitted;
2. When using Method B, Method A cleanup levels may be used but not Method C cleanup levels;
3. When using Method C, Method A or B cleanup levels may be used;
4. Risks and hazards resulting from cleanup levels established for single substances in single media must meet risk and hazard ceilings established in the MTCA when multiple routes of exposure and multiple chemicals are considered.

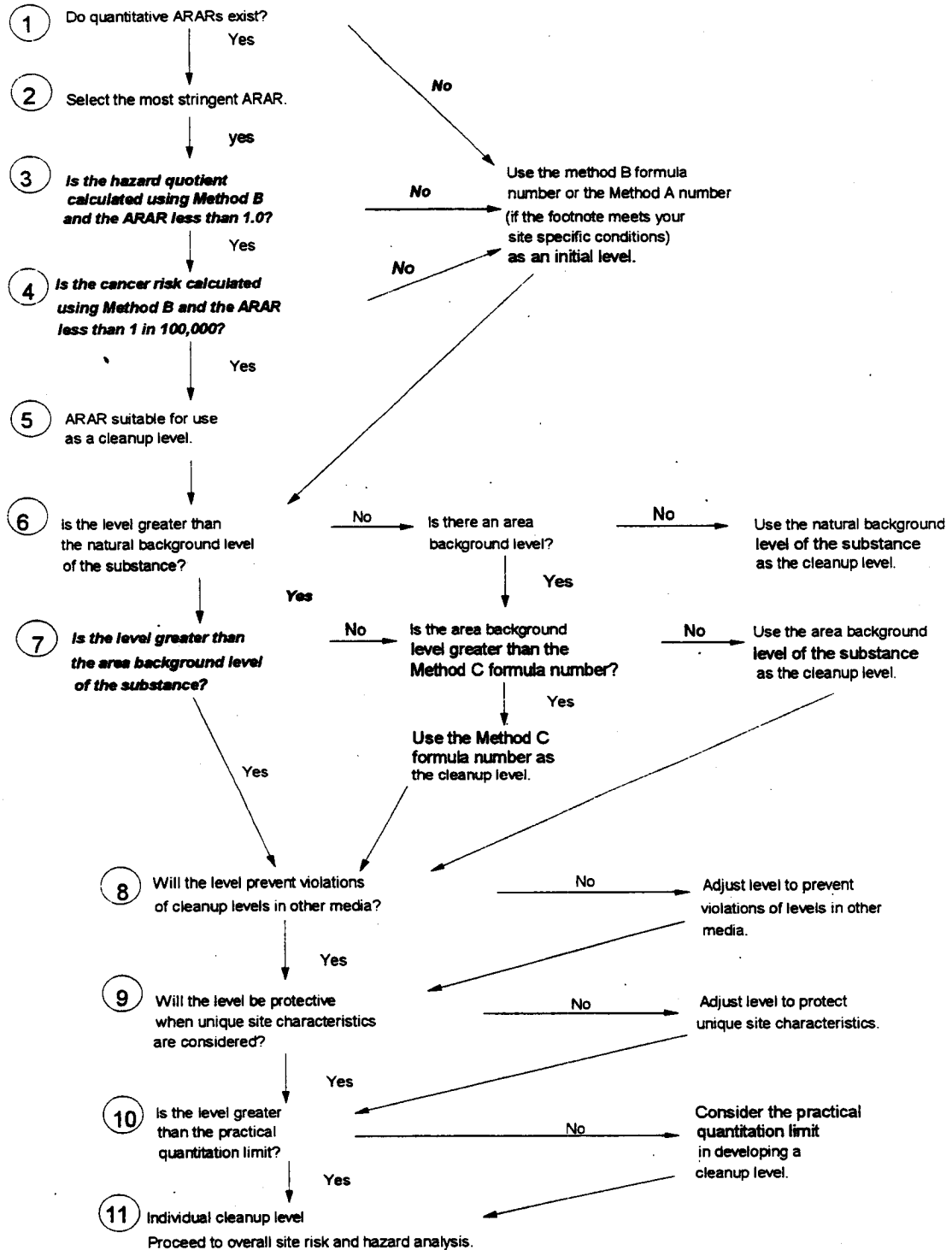
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Flowchart for determining whether Method A, B, or C should be used for establishing cleanup levels



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Flowchart for Developing Medium Specific Cleanup Levels for Individual Substances Using Method B



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Notes on Model Toxics Control Act Risk Based Formula Values and Information Used to Derive Formula Values:

General Notes on Tables

Nomenclature and Indexing

Names of organic chemicals are frequently preceded by numbers or certain letters used to describe the structure of the chemical. For purposes of indexing chemical names, this structural information is placed at the end of the chemical name. Examples follow:

Chemical Name	Chemical Name as Indexed in Tables
N,N-dimethylaniline	dimethylaniline;N,N-
p-chlorophenol	chlorophenol;p-
1,2-dichloroethane	dichloroethane;1,2-
cis-1,2-dichloroethene	dichloroethene;1,2-cis

Note that for chemical names which have the prefix "bis," the "bis" remains at the beginning of the chemical name for indexing purposes.

References

A number of abbreviations are used in noting literature references to information provided in the tables. Below is a key to these references and examples as to how they are used.

ECAO:	"ECAO" in a reference column means that a value was obtained from EPA's Environmental Criterion and Assessment office.
EOTS:	"EOTS" in a reference column means that data was obtained from EPA's Office of Toxic Substances.
FR:	"FR" in a reference column means that a value was obtained from the Federal Register.
H:	"H" in a reference column means that a value was obtained from the "Health Effects Assessment Summary Tables."
I:	"I" in a reference column means that a value was obtained from EPA's Integrated Risk Information System.
RX:	"RX" in a reference column means that a value was obtained from EPA region X.
N:	"N" in a reference column means that a value was not available.
P:	"P" in a reference column means that a value is pending.
R:	"R" in a reference column means that a value is under review.
W:	"W" in a reference column means that a value was withdrawn.

Examples:

Value	Reference	Explanation
67	ECAO6/91;12/91	This value was obtained from a memo supplied by EPA's Environmental Criterion and Assessment Office and was added to CLARC II in December of 1991.
.68	EOTS4/93;4/93	This value was obtained from information supplied by EPA's Office of Toxic Substances in April of 1993 and was added to the Model Toxics Control Act Parameter Table in April of 1993.

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0.01	H91a; NI12/91	This value was obtained from the Health Effects Assessment Summary Table (HEAST), 1991, first quarter. The Integrated Risk Information System (IRIS) was checked for the value in December of 1991 and was not available.
10.2	H91a; PI12/91	This value was obtained from HEAST, 1991, first quarter. IRIS was checked for the value in December of 1991 and it was noted that an IRIS value is in the process of being developed.
0.70	I3/91; 12/91	This value was obtained from IRIS. EPA added or revised information relating to this value in March of 1991. It was checked or added to CLARC II in December of 1991.
4.5	RX9/90; 12/91	This value was obtained from a memo supplied by EPA Region X's risk assessment group in September of 1990. It was checked or added to the Model Toxics Control Act Parameter Table in December of 1991.

Where no value appears opposite a reference, it means that those references were checked for a value and none were found, or that the information provided was not suitable for use, for example:

H93a;NI12/93	HEAST (1st quarter 1993) and IRIS (checked in December of 1993) did not contain any value for the parameter being searched for.
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Notes on Table Relating Chemical Abstract Numbers to Chemical Names

Chemicals are assigned unique identifying numbers, chemical abstract numbers, when they first appear in the chemical literature. Identification of a chemical by its abstract number eliminates the difficulties that can occur when one attempts to locate a chemical using a chemical name. Chemicals have multiple names and if chemical information is not catalogued under the name one is searching for, information can be missed.

To make sure that you can locate information on all chemicals you should:

1. Obtain the chemical abstract numbers for all chemicals at the site.
2. Use the "Chemical Abstract Number-Chemical Name Index" to identify the name that chemicals are catalogued under in the tables, and.
3. Search for information using the chemical names identified in step 2.

Notes on Oral Reference Dose Table

This table contains current oral reference dose information obtained by consulting IRIS, HEAST, ECAO, EOTS and EPA Region X.

If a site hazard index exceeds 1.0, the toxicity information included should be used to sort the chemicals present at a hazardous waste site into subgroups based on toxic effect endpoints. Hazard indices would then be calculated for each toxicity endpoint subgroup.

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The toxic effects endpoints listed may overestimate the hazard index for any toxicity endpoint. In cases where the hazard index for a toxicity endpoint subgroup exceeds 1.0, a toxicologist should review the information to evaluate whether or not the hazard index has been overestimated.

Following is a list of the toxicity classifications used in the table:

adrenal gland:	Toxic effects on the adrenal gland.
alopecia:	Toxic effects on the hair, usually hair loss.
bladder:	Toxic effects on the bladder.
cardiovascular toxicity:	Toxicity to the blood vessels or heart.
cholinesterase inhibition:	Enzyme reduction or inhibition.
dermal toxicity:	Toxic effects on the skin.
developmental toxicity:	Toxicity to the fetus or developing embryo.
gastrointestinal toxicity:	Toxicity to the digestive tract.
hemotoxicity:	Damage to blood, blood cells, reduction in the ability of the body to produce blood or blood components.
hepatotoxicity:	Damage to the liver or liver function.
immuno-toxicity:	Toxicity to the immune system.
mortality:	Death
nephrotoxicity:	Damage to the kidneys or kidney function.
neurotoxicity:	Damage to the nervous system.
oculartoxicity:	Damage to the eyes.
pulmonary toxicity:	Toxicity to the lungs.
prostate:	Toxic effects on the prostate.
reproductive toxicity:	Toxicity to the reproductive organs (i.e. ovaries, testes, etc.)

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Following is a list of the toxicity classifications used in the table (continued):

- spleen toxicity: Toxic effects on the spleen.
- thymus toxicity: Toxic effects on the thymus
- thyroid toxicity: Toxic effects on the thyroid.
- weight: A broad classification of toxicity which may indicate:
 1. Overall weight decrease
 2. A decrease in the rate of weight gain.
 3. An overall weight increase

Notes on Inhalation Reference Dose Table

EPA has been tabulating inhalation reference doses in terms of:

1. Concentration, i.e. mg per cubic meter
2. Dose, i.e. mg per kg per day

Inhalation reference doses listed in the table are in terms of mg/kg/day. When evaluating air cleanup levels, HEAST or IRIS should be checked for chemicals that do not have values listed in the table.

Concentration based inhalation reference doses may be converted to actual doses using the formula:

$$\text{dose (mg/kg/day)} = \text{concentration (mg/m}^3\text{)} \times 1/70 \text{ kg} \times 20 \text{ m}^3\text{/day}$$

There has been much debate about the appropriateness of this conversion, as it assumes that the breathing rate and respiratory system of rodents are equivalent to those of humans. However, EPA Region X is currently using this conversion.

Notes on Cancer Potency Factor Table

EPA's classification scheme for carcinogens is as follows:

ANIMAL EVIDENCE

HUMAN EVIDENCE	Sufficient	Limited	Inadequate	No data	No Evidence
Sufficient	A	A	A	A	A
Limited	B1	B1	B1	B1	B1
Inadequate	B2	C	D	D	D
No Data	B2	C	D	D	E
No Evidence	B2	C	D	D	E

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For example, the A classification refers to substances which are proven human carcinogens. The quality of animal data does not matter.

The B1 classification refers to substances with limited human carcinogenic potential. The quality of animal data does not matter.

The B2 classification refers to substances with good animal carcinogenicity data and inadequate human data.

The C classification refers to substances with limited animal data and inadequate human data.

The D classification refers to substances which have not been evaluated for carcinogenicity.

The E classification refers to substances for which extensive testing indicates that the substance is not carcinogenic.

Notes on Ambient Water Quality Bioconcentration Factors Table

For regulatory purposes, whenever possible, the Department of Ecology is using Ambient Water Quality Criteria bioconcentration factors developed by EPA.

Notes on Maximum Contaminant Level (MCL) Table

EPA's maximum contaminant limits are relevant regulatory values for setting ground water cleanup levels for ground water used as a source of drinking water. However, an MCL is not usable as a cleanup standard if it exceeds a cancer risk of 1×10^{-5} or exceeds a hazard quotient of 1.0¹. The table notes MCLs, associated cancer risks and hazard quotients, and which MCLs are not usable due to exceedance of the cancer risk and hazard quotient ceilings specified in the regulation.

Notes on Model Toxics Control Act Method A Cleanup Levels

Under certain circumstances, Ecology recognizes that Method B formula values may be less than Method A values. For example, Method A values for PCB mixtures are higher than the Method B values because of the Practical Quantitation Limit (PQL) for PCBs. Background concentrations may also result in higher Method A values.

Notes on Model Toxics Control Act Human Health Risk Based Method B Formula Values

This table lists human health risk based formula values for regulation of groundwater (WAC 173-340-720 (3) (a) (ii) (A & B)), surface water (WAC 173-340-730 (3) (a) (iii) (A & B)), soil (WAC 173-340-740 (3) (a) (iii) (A & B)), and air (WAC 173-340-750 (3) (a) (ii) (A & B)).

Notes on Model Toxics Control Act Human Health Risk Based Method C Formula Values

This table lists human health risk based formula values for regulation of groundwater (WAC 173-340-720 (3) (a) (ii) (A & B)), surface water (WAC 173-340-730 (3) (a) (iii) (A & B)), soil (WAC 173-340-740 (3) (a) (iii) (A & B) and WAC 173-340-745 (4) (a) (iii) (A & B)), and air (WAC 173-340-750 (3) (a) (ii) (A & B)).

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¹ Cancer risks and hazard quotients are calculated by solving the ground water equations (WAC 173-340-720 (3) (a) (ii) (A) and (B)) for cancer risk or hazard quotient using the MCL as the concentration.

Natural Background Soil Metals Concentrations

Information on the natural background concentrations of metals in surficial soil throughout Washington State have been included in this edition of CLARC II. This information has been taken from the Natural Background Soil Metals Concentrations in Washington State, October, 1994 (Ecology Publication 94-115). Natural background soil metals concentrations can be used to establish a cleanup standard for a hazardous substance for which no applicable or relevant and appropriate requirement (ARAR) exists (Chapter 173-340-700 (4)(d) WAC). Natural background concentrations can also be used to replace existing Method A, Method B, or Method cleanup standards that are below the natural background level (Chapter 173-340-700 (1)(a) WAC). Statewide and regional 90th percentile natural background values are presented in Table 1.

Table 1: Statewide & Regional 90th Percentile Natural Background Values¹

	Al	As ²	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Zn
State Wide	37,200	7	2	1	42	36	42,100	17	1,100	0.07	38	86
Puget Sound	32,600	7	0.6	1	48	36	58,700	24	1,200	0.07	48	85
Clark County	52,300	6	2	1	27	34	36,100	17	1,500	0.04	21	96
Yakima Basin	33,400	5	2	1	38	27	51,500	11	1,100	0.05	46	79
Spokane Basin	21,400	9	0.8	1	18	22	25,000	15	700	0.02	16	66

¹ All Values = mg/kg and represent total-recoverable analysis.

² Graphite furnace atomic absorption (GFAA) analysis.

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If you have questions regarding CLARC II, please contact either Steve Robb at (360) 407-7188, or Barb Huether at (360) 407-7183. For questions concerning Natural Background Soil Metals Concentrations, please contact Charles San Juan at (360) 407-7191. Questions related to development of site-specific cleanup standards using CLARC II should be directed to regional offices. If you have special accommodation needs, please contact the Toxics Cleanup Program at (360) 407-7183 (voice) or (360) 407-6006 (TCDD).

As a further note, CLARC II is not mandated by law, but rather is provided as a service to staff and clients. While CLARC II is extensive, it is not exhaustive and the user may need to seek additional sources for compounds not shown. Furthermore, there is no assurance that CLARC II is free from errors, substantive or procedural, enforceable by any party in litigation with the State of Washington.

CLARC II Modification History - February 1996

Date	Chemical	CAS #	Reference	Changed from:	Changed to:	Type *
1/22/96	acetone cyanohydrin	75-86-5	H95a;NI01/96	0.04	.0029 mg/kg/day	IRFD
1/22/96	acetophenone	98-86-2	9/95;NI01/96	0.000005	Under review	IRFD
1/22/96	antimony trioxide	1309-64-4	19/95;01/96	empty	.00006 mg/kg/day	IRFD
1/22/96	arsenic, inorganic	7440-38-2	17/95;01/96	1.75 mg/kg/day	1.5 mg/kg/day	OCPF
1/22/96	bayleton	43121-43-3	SR;1/96	empty	1	INH
1/22/96	boron trifluoride	7637-07-2	H95a;NI01/96	new record	.0002 mg/kg/day	IRFD
1/22/96	carbon disulfide	75-15-0	18/95;01/96	0.0029	.2 mg/kg/day	IRFD
1/22/96	carbon tetrachloride	56-23-5	H95a;01/96	.053 mg/kg/day	0.053 mg/kg/day	RCPF
1/22/96	chlorine dioxide	10049-04-4	11/95;01/96	empty	D	CLASS
1/22/96	chlorite	7758-19-2	11/95;01/96	new record	D	CLASS
1/22/96	chloro-1,3-butadiene;2-	126-99-8	H95a;NI01/96	0.04	.002 mg/kg/day	IRFD
1/22/96	chlorobutane;1-	109-69-3	H95a;NI01/96	106-69-3	109-69-3	CAS
1/22/96	chlorsulfuron	64902-72-3	11/90;01/96	new record	.05 mg/kg/day	ORFD
1/22/96	chlorsulfuron	64902-72-3	SR;1/96	empty	1	INH
1/22/96	chlorthiophos	21923-23-9	H95a;NI01/96	60238-56-4	21923-23-9	CAS
1/22/96	crotonaldehyde	123-73-9	H95a;01/96	1.9 mg/kg/day	empty	RCPF
1/22/96	cyanazine	21725-46-2	H95a;01/96	empty	0.84	OCPF
1/22/96	cyanazine	21725-46-2	H95a;01/96	empty	C	CLASS
1/22/96	cyanogen bromide	506-68-3	19/88;01/96	508-68-3	506-68-3	CAS
1/22/96	dibromo-3-chloropropane;1,2-	96-12-8	H95a;01/96	6.9E-07 mg/kg/day	2.4E-03 mg/kg/day	RCPF
1/22/96	dichlorobenzene;1,2-	95-50-1	H95a;NI01/96	0.04	.0571 mg/kg/day	IRFD
1/22/96	dichlorodifluoromethane	75-71-8	H95a;NI01/96	0.05	.06 mg/kg/day	IRFD
1/22/96	dichloromethane	75-09-2	H95a;NI01/96	empty	.8571 mg/kg/day	IRFD
1/22/96	diethylene glycol monobutyl ethe	112-34-5	H95a;NI01/96	new record	0.0057 mg/kg/day	IRFD
1/22/96	diethylstilbesterol	56-53-1	SR;1/96	empty	1	INH

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Date	Chemical	CAS #	Reference	Changed from:	Changed to:	Type*
1/22/96	dimethylhydrazine,1,2-	540-73-8	H95a;01/96	1400 mg/kg/day	empty	OCPF
1/22/96	ethyl chloride	75-00-3	14/91;01/96	2.8571	.28571 mg/kg/day	IRFD
1/22/96	ethylene glycol monobutyl ether	111-76-2	H95a;NI01/96	new record	0.0057 mg/kg/day	IRFD
1/22/96	ethylene oxide	75-21-8	H95a;NI01/96	new record	1.02 mg/kg/day	OCPF
1/22/96	ethylene oxide	75-21-8	H95a;NI01/96	new record	0.35 mg/kg/day	RCPF
1/22/96	ethylene thiourea	96-45-7	H95a;01/96	0.6 mg/kg/day	.11 mg/kg/day	OCPF
1/22/96	glycinaldehyde	765-34-4	H95a;NI01/96	empty	.00029 mg/kg/day	IRFD
1/22/96	hexachlorobutadiene	87-68-3	H95a;NI01/96	empty	.0002 mg/kg/day	ORFD
1/22/96	hexamethylene diisocyanate;1,6-	759-73-9	SR;1/96	empty	1	INH
1/22/96	hydrazine/hydrazine sulfite	302-01-2	104/91;01/96	1	2	INH
1/22/96	hydrogen chloride	7647-01-0	17/95;01/96	0.002	.00571 mg/kg/day	IRFD
1/22/96	imazalil	35554-44-0	19/90;01/96	0.13	.013 mg/kg/day	ORFD
1/22/96	manganese IN WATER	7439-96-5	111/95;01/96		record deleted**	ALL
1/22/96	mercuric chloride	7487-94-7	15/95;01/96	new record	0.0003 mg/kg/day	ORFD
1/22/96	mercuric chloride	7487-94-7	15/95;01/96	new record	C	CLASS
1/22/96	mercury	7439-97-6	15/95;01/96	0.013	0.012 ug/l	FRSHCRON
1/22/96	merphos	150-50-5	SR;1/96	empty	1	INH
1/22/96	methyl isobutyl ketone	108-10-1	H95a;NI01/96	0.05	.08 mg/kg/day	ORFD
1/22/96	methyl tert-butyl ether	1634-04-4	SR;1/96	empty	2	INH
1/22/96	methylcyclohexane	108-87-2	H95a;NI01/96	new record	.85714 mg/kg/day	IRFD
1/22/96	methylmercury	22967-92-6	15/95;01/96	.0003 ug/l	.0001 ug/l	ORFD
1/22/96	methylmercury	22967-92-6	15/95;01/96	empty	C	CLASS
1/22/96	methylmercury	22967-92-6	15/95;01/96	NA	0.012 ug/l	FRSHCRON
1/22/96	methylmercury	22967-92-6	15/95;01/96	NA	2.4 ug/l	FRSHACUT
1/22/96	methylmercury	22967-92-6	15/95;01/96	NA	0.025 ug/l	MARCRON

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CLARC II Modification History - February 1996

Date	Chemical	CAS #	Reference	Changed from:	Changed to:	Type*
1/22/96	methylmercury	22967-92-6	I5/95;01/96	NA	2.1ug/l	MARACUT
1/22/96	nickel subsulfide	12035-72-2	I07/93;01/96	new record	A	CLASS
1/22/96	nitroaniline;2-	88-74-4	H95a;NI01/96	new record	0.000057 mg/kg/day	IRFD
1/22/96	nitrobenzene	98-95-3	H95a;NI01/96	empty	0.00057 mg/kg/day	IRFD
1/22/96	nitroso-n-ethylurea;n-	759-73-9	SR;1/96	empty	1	INH
1/22/96	phosphine	7803-51-2	I7/95;01/96	empty	.000086 mg/kg/day	IRFD
1/22/96	phosphine	7803-51-2	I9/92;01/96	empty	D	CLASS
1/22/96	phosphoric acid	7664-38-2	I8/95;01/96	new record	.00286 mg/kg/day	IRFD
1/22/96	phosphorus	7723-14-0	I2/93;01/96	white phosphorus	phosphorus	NAME
1/22/96	pirimiphos-methyl	29323-93-7	I1/92;01/96	0.001	.01 mg/kg/day	ORFD
1/22/96	refractory ceramic fibers	unavailable07	SR;1/96	empty	1	INH
1/22/96	tetrafluoroethane;1,1,1,2-	811-97-2	I9/95;01/96	new record	22.857 mg/kg/day	IRFD
1/22/96	tetrafluoroethane;1,1,1,2-	811-97-2	I09/95;01/96	new record	2.29E+01 mg/kg/day	RCPF
1/22/96	toluene diisocyanate mixture;2,4-	26471-62-5	I9/95;01/96	new record	.00002 mg/kg/day	IRFD
1/22/96	toluene diisocyanate mixture;2,4-	26471-62-5	I09/95;01/96	new record	2.0E-05 mg/kg/day	RCPF
1/22/96	tph,diesel	unavailable09	I7/93;01/96	empty	0.001429 mg/kg/day	IRFD
1/22/96	trichloro-1,2,2-trifluoroethane;1,	76-13-1	H95a;NI01/96	8.5714	0.8571 mg/kg/day	IRFD
1/22/96	trichlorobenzene;1,2,4-	120-82-1	H95a;NI01/96	0.003	.0571 mg/kg/day	IRFD
1/22/96	trichloropropane;1,2,3-	96-18-4	H95a;01/96	empty	7 mg/kg/day	OCPF
1/22/96	trinitrophenylmethylnitramine	479-45-8	SR;1/96	empty	1	INH
1/22/96	vernarn	1929-77-7	I1/92;01/96	vernolate	vernarn	NAME

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil(mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
acensaphthene	83-32-9								
acephate	30560-19-1	1.01e+001	9.60e+002		6.43e+002	1.15e+002	4.80e+003	1.01e+000	9.60e+001
acetaldehyde	75-07-0								
acetochlor	34256-82-1								
acetone	67-64-1								
acetone cyanohydrin	75-86-5								
acetonitrile	75-05-8								
acetophenone	98-86-2								
acifuorfen, sodium	62476-59-9								
acrolein	107-02-8								
acrylamide	79-06-1	9.72e-003	1.60e+000			2.22e-001	1.60e+001	9.72e-004	1.60e+001
acrylic acid	79-10-7								
acrylonitrile	107-13-1	8.10e-002	8.00e+000	4.00e-001	8.64e+001	1.85e+000	8.00e+001	8.10e-003	8.00e-001
alachlor	15972-60-8	1.08e+000	1.60e+002			1.23e+001	8.00e+002	1.08e-001	1.60e+001
alar	1596-84-5								
aldicarb	116-06-3								
aldicarb sulfone	1646-88-4								
aldrin	309-00-2	5.15e-003	4.80e-001	8.16e-005	1.67e-002	5.88e-002	2.40e+000	5.15e-004	4.80e-002
ally	74223-64-6								
allyl alcohol	107-18-6								
allyl chloride	107-05-1								
aluminum phosphide	20859-73-8								
amdro	67485-29-4								
ametryn	834-12-8								
aminophenol;m-	591-27-5								
aminopyridine;4-	504-24-5								
amitraz	33089-61-1								
ammonia	7664-41-7								
ammonium sulfamate	7773-06-0								
aniline	62-53-3	1.54e+001	4.80e+003			1.75e+002	1.60e+004	1.54e+000	4.80e+002
anthracene	120-12-7								

Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
antimony pentoxide	1314-60-9	8.00e+000				4.00e+001		8.00e-001	
antimony potassium tartrate	28300-74-5	1.44e+001				7.20e+001		1.44e+000	
antimony tetroxide	1332-81-6	6.40e+000				3.20e+001		6.40e-001	
antimony trioxide	1309-64-4	6.40e+000				3.20e+001		6.40e-001	
apollo	74115-24-5	2.08e+002				1.04e+003		2.08e+001	
aramite	140-57-8	8.00e+002				4.00e+001		8.00e+001	
aroclor 1016	12674-11-2	1.12e+000				5.60e+000		1.12e-001	
aroclor 1254	11097-69-1	3.20e-001				1.60e+000		3.20e-002	
arsenic, inorganic	7440-38-2	4.80e+000		9.82e-002	1.77e+001	1.67e+000		5.83e-003	
arsine	7784-42-1	5.83e-002						4.80e-001	
asbestos	1332-21-4	1.44e+002						1.44e+001	
assure	76578-14-8	8.00e+002						8.00e+001	
asulam	3337-71-1	5.60e+002						5.60e+001	
atrazine	1912-24-9	3.98e-001						3.98e-002	
avermectin B1	65195-55-3	6.40e+000						6.40e-001	
azobenzene	103-33-3	7.95e-001						7.95e-002	
barium	7440-39-3	1.12e+003						1.12e+002	
barium cyanide	542-62-1	1.60e+003						1.60e+002	
baygon	114-26-1	6.40e+001						6.40e+000	
bayleton	43121-43-3	4.80e+002						4.80e+001	
baythroid	68359-37-5	4.00e+002						4.00e+001	
behefin	1861-40-1	4.80e+003						4.80e+002	
benomyl	17804-35-2	8.00e+002						8.00e+001	
bentazon	25057-89-0	4.00e+001						4.00e+000	
benzaldehyde	100-52-7	1.60e+003						1.60e+002	
benzene	71-43-2	1.51e+000		4.30e+001		3.45e+001		1.51e-001	
benzenethiol	108-98-5	1.60e-001						1.60e-002	
benzidine	92-87-5	3.80e-004		3.22e-004	8.89e+001	4.35e-003		3.80e-005	
benzo[a]anthracene	56-55-3	1.20e-002		2.96e-002		1.37e-001		1.20e-003	
benzo[a]pyrene	50-32-8	1.20e-002		2.96e-002		1.37e-001		1.20e-003	
benzo[b]fluoranthene	205-99-2	1.20e-002		2.96e-002		1.37e-001		1.20e-003	
benzo[k]fluoranthene	207-08-9	1.20e-002		2.96e-002		1.37e-001		1.20e-003	

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg) 100 x Groundwater	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
benzoic acid	65-85-0	6.40e+004	6.40e+004	7.93e-002	6.82e+002	7.69e-002	3.20e+005	6.73e-004	6.40e+003
benzotrichloride	98-07-7	6.73e-003	6.73e-003	4.80e+003	4.80e+003	5.88e+000	2.40e+004	4.80e+002	4.80e+002
benzyl alcohol	100-51-6	2.57e-001	2.57e-001	8.00e+001	8.00e+001	2.33e-001	4.00e+002	2.57e-002	8.00e+000
benzyl chloride	100-44-7	2.03e-002	2.03e-002	1.28e+003	1.28e+003	2.03e-003	6.40e+003	2.03e-003	1.28e+002
beryllium	7440-41-7	8.00e+002	8.00e+002	1.60e+000	1.60e+000	8.00e+000	8.00e+000	8.00e+000	1.60e-001
beta-chloronaphthalene	141-66-2	8.00e+002	8.00e+002	2.40e+002	2.40e+002	1.20e+003	1.20e+003	2.40e+001	2.40e+001
bidrin	82657-04-3	8.00e+002	8.00e+002	4.00e+003	4.00e+003	4.00e+003	4.00e+003	8.00e+001	8.00e+001
biphenyl;1,1-	92-52-4	1.25e+000	1.25e+000	1.43e+001	1.43e+001	1.43e+001	1.25e-001	1.25e-001	1.25e-001
bis(2-chloro-1-methyl-ethyl)ether	108-60-1	3.98e-002	3.98e-002	8.54e-001	8.54e-001	9.09e-001	3.98e-003	3.98e-003	3.20e+001
bis(2-chloroethyl)ether	111-44-4	6.25e+000	6.25e+000	3.20e+002	3.20e+002	4.20e+004	3.20e+003	6.25e-001	3.20e+001
bis(2-chloroisopropyl) ether	39638-32-9	1.99e-004	1.99e-004	3.56e+000	3.99e+002	7.14e+001	1.60e+003	6.25e-001	3.20e+001
bis(2-ethylhexyl) phthalate	117-81-7	8.00e+002	8.00e+002	4.00e+003	4.00e+003	4.55e-003	1.99e-005	1.99e-005	8.00e+001
bis(chloromethyl)ether	542-88-1	8.00e+002	8.00e+002	3.20e+002	3.20e+002	4.00e+003	4.00e+003	8.00e+001	8.00e+001
bisphenol a	80-05-7	1.44e+003	1.44e+003	7.20e+003	7.20e+003	7.20e+003	7.20e+003	1.44e+002	1.44e+002
boron	7440-42-8	7.06e-001	7.06e-001	1.60e+002	1.60e+002	1.61e+001	1.60e+003	1.60e+001	1.60e+001
bromodichloromethane	75-27-4	5.54e+000	5.54e+000	2.79e+001	1.38e+004	1.61e+001	1.60e+003	7.06e-002	1.60e+001
bromoethene	593-60-2	1.60e+002	1.60e+002	2.19e+002	1.38e+004	1.27e+002	1.60e+003	5.54e-001	1.60e+001
bromoform	75-25-2	1.12e+001	1.12e+001	9.68e+002	9.68e+002	9.68e+002	1.12e+002	1.12e+000	1.12e+000
bromomethane	74-83-9	8.00e+001	8.00e+001	8.00e+001	8.00e+001	8.00e+001	4.00e+002	8.00e+000	8.00e+000
bromophos	2104-96-3	3.20e+002	3.20e+002	3.20e+002	3.20e+002	3.20e+002	1.60e+003	3.20e+001	3.20e+001
bromoxynil	1689-84-5	3.20e+002	3.20e+002	3.20e+002	3.20e+002	3.20e+002	1.60e+003	3.20e+001	3.20e+001
bromoxynil octanoate	1689-99-2	1.60e+002	1.60e+002	1.60e+002	1.60e+002	1.60e+002	1.60e+003	3.20e+001	3.20e+001
butadiene;1,3-	106-99-0	1.60e+003	1.60e+003	1.60e+003	1.60e+003	1.60e+003	8.00e+003	1.60e+002	1.60e+002
butanol;n-	71-36-3	3.20e+003	3.20e+003	1.25e+003	1.25e+003	1.25e+003	1.60e+004	3.20e+002	3.20e+002
butyl benzyl phthalate	85-68-7	8.00e+002	8.00e+002	8.00e+002	8.00e+002	8.00e+002	4.00e+003	8.00e+001	8.00e+001
butylate	2008-41-5	1.60e+004	1.60e+004	1.60e+004	1.60e+004	1.60e+004	8.00e+004	1.60e+003	1.60e+003
butylphthalyl butylglycolate	85-70-1	1.60e+002	1.60e+002	1.60e+002	1.60e+002	1.60e+002	8.00e+002	1.60e+001	1.60e+001
butyric acid;4-(2-methyl-4-chlorophenoxy)-	94-81-5	4.80e+001	4.80e+001	4.80e+001	4.80e+001	4.80e+001	2.40e+002	4.80e+000	4.80e+000
cacodylic acid	75-60-5	1.60e+001	1.60e+001	1.60e+001	1.60e+001	1.60e+001	8.00e+001	1.60e+000	1.60e+000
cadmium in soil (ignore water values for Methods B and C)	7440-43-9a	4.05e+001	4.05e+001	4.05e+001	4.05e+001	4.05e+001	8.00e+001	1.60e+000	1.60e+000

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
cadmium in water (ignore soil values for Methods B and C)	7440-43-9		8.00e+000	2.03e+001		4.00e+001		8.00e-001	
calcium cyanide	592-01-8		6.40e+002			3.20e+003		6.40e+001	
caprolactam	105-60-2		8.00e+003			4.00e+004		8.00e+002	
captafol	2425-06-1	1.02e+001	3.20e+001	1.16e+002	1.60e+002	1.60e+002	1.02e+000	3.20e+000	3.20e+000
captan	133-06-2	2.50e+001	2.08e+003	2.86e+002	1.04e+004	2.50e+000	2.08e+002	2.08e+002	2.08e+002
carbaryl	63-25-2		1.60e+003			8.00e+003		1.60e+002	
carbazole	86-74-8	4.37e+000		5.00e+001		4.37e-001			
carbofuran	1563-66-2		8.00e+001			4.00e+002		8.00e+000	
carbon disulfide	75-15-0		8.00e+002			8.00e+003		8.00e+001	
carbon tetrachloride	56-23-5	3.37e-001	5.60e+000	2.66e+000	9.68e+001	7.69e+000	5.60e+001	5.60e-001	5.60e-001
carbophenothion	786-19-6		2.08e+000			1.04e+001		2.08e-001	
carbosulfan	55285-14-8		1.60e+002			8.00e+002		1.60e+001	
carboxin	5234-68-4		1.60e+003			8.00e+003		1.60e+002	
chloral	75-87-6		3.20e+001			1.60e+002		3.20e+000	
chloramben	133-90-4		2.40e+002			1.20e+003		2.40e+001	
chloranil	118-75-2	2.17e-001		2.48e+000		2.17e-002			
chlorodane	57-74-9	6.73e-002	9.60e-001	3.54e-004	1.10e-002	7.69e-001	4.80e+000	9.60e-002	9.60e-002
chlorimuron-ethyl	90982-32-4		3.20e+002			1.60e+003		3.20e+001	
chlorine	7782-50-5		1.60e+003			8.00e+003		1.60e+002	
chlorine cyanide	506-77-4		8.00e+002			4.00e+003		8.00e+001	
chlorine dioxide	10049-04-4								
chlorite	7758-19-2		3.20e+002			1.60e+003		3.20e+001	
chloro-1,3-butadiene;2-	126-99-8								
chloro-2-methylaniline	3165-93-3	1.90e-001		2.17e+000		1.90e-002			
hydrochloride;4-									
chloro-2-methylaniline;4-	95-69-2	1.51e-001		1.72e+000		1.51e-002			
chloroacetic acid	79-11-8		3.20e+001			1.60e+002		3.20e+000	
chloroacetophenone;2-	532-27-4								
chloroaniline;p-	106-47-8		6.40e+001			3.20e+002		6.40e+000	
chlorobenzene	108-90-7		1.60e+002		5.03e+003	1.60e+003		1.60e+001	
chlorobenzilate	510-15-6	3.24e-001	3.20e+002	3.70e+000	1.60e+003	3.24e-002	1.60e+003	3.20e+001	3.20e+001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
chlorobenzoic acid;p-	74-11-3		3.20e+003				1.60e+004		3.20e+002
chlorobenzotrifluoride;4-	98-56-6		3.20e+002				1.60e+003		3.20e+001
chlorobutane;1-	109-69-3		6.40e+003				3.20e+004		6.40e+002
chloroform	67-66-3	7.17e+000	8.00e+001	2.83e+002	6.91e+003	1.64e+002	8.00e+002	7.17e-001	8.00e+000
chloromethane	74-87-3	3.37e+000		1.33e+002		7.69e+001		3.37e-001	
chloromethyl methyl ether	107-30-2								
chloronitrobenzene;o-	88-73-3	3.50e+000				4.00e+001		3.50e-001	
chloronitrobenzene;p-	100-00-5	4.86e+000				5.56e+001		4.86e-001	
chlorophenol;2-	95-57-8	8.00e+001		9.67e+001			4.00e+002		8.00e+000
chlorophenyl methyl sulfide;p-	123-09-1								
chlorophenyl methyl sulfone;p-	98-57-1								
chlorophenyl methyl sulfoxide;p-	934-73-6								
chloropropane;2-	75-29-6								
chloroethanol	1897-45-6	7.95e+000	2.40e+002			9.09e+001	1.20e+003	7.95e-001	2.40e+001
chlorotoluene;o-	95-49-8		1.60e+002				1.60e+003		1.60e+001
chloropropanol	101-21-3		3.20e+003				1.60e+004		3.20e+002
chlorpyrifos	2921-88-2		4.80e+001				2.40e+002		4.80e+000
chlorpyrifos-methyl	5598-13-0		1.60e+002				8.00e+002		1.60e+001
chlorsulfuron	64902-72-3		8.00e+002				4.00e+003		8.00e+001
chlorthiophos	21923-23-9		1.28e+001				6.40e+001		1.28e+000
chromium (total)	7440-47-3								
chromium(III)	16065-83-1		1.60e+004	1.62e+005			8.00e+004		1.60e+003
chromium(VI)	18540-29-9		8.00e+001	8.10e+002			4.00e+002		8.00e+000
chrysene	218-01-9	1.20e-002		2.96e-002		1.37e-001		1.20e-003	
copper	7440-50-8		5.92e+002				2.96e+003		5.92e+001
copper cyanide	544-92-3		8.00e+001				4.00e+002		8.00e+000
creosote	8001-58-9								
cresol;m-	108-39-4		8.00e+002				4.00e+003		8.00e+001
cresol;o-	95-48-7		8.00e+002				4.00e+003		8.00e+001
cresol;p-	106-44-5		8.00e+001				4.00e+002		8.00e+000
crotonaldehyde	123-73-9	4.61e-002				5.26e-001		4.61e-003	
cumene	98-82-8		6.40e+002				3.20e+003		6.40e+001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil(mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen
cyanazine	2175-46-2	1.04e-001	3.20e+001	5.19e+004	1.19e+000	1.60e+002	1.04e-002	3.20e+000	
cyanide	57-12-5	3.20e+002	3.20e+002	1.60e+003	1.60e+003	1.60e+003	3.20e+001	3.20e+001	
cyanogen	460-19-5	6.40e+002	6.40e+002	1.44e+003	7.20e+003	7.20e+003	6.40e+001	6.40e+001	
cyanogen bromide	506-68-3	1.44e+003	1.44e+003	8.00e+004	4.00e+005	4.00e+005	1.44e+002	1.44e+002	
cyclhexanone	108-94-1	8.00e+004	8.00e+004	3.20e+003	1.60e+004	1.60e+004	8.00e+003	8.00e+003	
cyclhexylamine	108-91-8	3.20e+003	3.20e+003	8.00e+001	4.00e+002	4.00e+002	3.20e+002	3.20e+002	
cyclopentadiene	542-92-7	8.00e+001	8.00e+001	1.60e+002	1.60e+002	1.60e+002	8.00e+000	8.00e+000	
cyhalothrin/karate	68085-85-8	1.60e+002	1.60e+002	1.20e+002	1.20e+002	1.20e+002	1.60e+001	1.60e+001	
cypemethrin	52315-07-8	1.20e+002	1.20e+002	1.60e+002	1.60e+002	1.60e+002	1.20e+001	1.20e+001	
cyromazine	66215-27-8	1.60e+002	1.60e+002	4.80e+002	2.40e+003	2.40e+003	1.60e+001	1.60e+001	
dacthal	1861-32-1	4.00e+002	4.00e+002	4.00e+002	2.00e+003	2.00e+003	4.80e+001	4.80e+001	
dalapon, sodium salt	75-99-0	4.00e+002	4.00e+002	1.28e+002	6.40e+002	6.40e+002	4.00e+001	4.00e+001	
danitrol	39515-41-8	1.28e+002	1.28e+002	5.04e-004	2.57e-002	2.57e-002	1.28e+001	1.28e+001	
db;2,4-	94-82-6	3.65e-001	3.65e-001	3.56e-004	2.94e+000	2.94e+000	3.65e-002	3.65e-002	
ddd	72-54-8	2.57e-001	2.57e-001	3.56e-004	2.94e+000	2.94e+000	2.57e-002	2.57e-002	
dde	72-55-9	2.57e-001	2.57e-001	3.56e-004	2.94e+000	2.94e+000	2.57e-002	2.57e-002	
ddt	50-29-3	8.00e+000	8.00e+000	8.00e+000	4.00e+001	4.00e+001	8.00e-001	8.00e-001	
decabromodiphenyl ether	1163-19-5	1.60e+002	1.60e+002	8.00e+000	4.00e+001	4.00e+001	1.60e+001	1.60e+001	
demeton	8065-48-3	6.40e-001	6.40e-001	6.40e-001	3.20e+000	3.20e+000	6.40e-002	6.40e-002	
di(2-ethylhexyl)adipate	103-23-1	7.29e+001	7.29e+001	9.60e+003	8.33e+002	8.33e+002	9.60e+002	9.60e+002	
di-butyl phthalate	84-74-2	1.60e+003	1.60e+003	1.60e+003	8.00e+003	8.00e+003	1.60e+002	1.60e+002	
di-n-octyl phthalate	117-84-0	3.20e+002	3.20e+002	2.91e+003	1.64e+001	1.64e+001	3.20e+001	3.20e+001	
diallate	2303-16-4	1.43e+000	1.43e+000	1.44e+001	7.20e+001	7.20e+001	1.43e-001	1.43e-001	
diazinon	333-41-5	1.20e-002	1.20e-002	2.96e-002	1.37e-001	1.37e-001	1.20e-003	1.20e-003	
dibenzo[a,h]anthracene	53-70-3	3.12e-002	3.12e-002	7.14e-001	7.14e-001	7.14e-001	3.12e-003	3.12e-003	
dibenzofuran	132-64-9	96-12-8	96-12-8	1.60e+002	8.00e+002	8.00e+002	1.60e+001	1.60e+001	
dibromo-3-chloropropane;1,2-	106-37-6	1.60e+001	1.60e+001	1.60e+002	1.60e+002	1.60e+002	1.60e+001	1.60e+001	
dibromobenzene;1,4-	124-48-1	5.21e-001	5.21e-001	2.06e+001	1.38e+004	1.38e+004	5.21e-002	5.21e-002	
dibromochloromethane	106-93-4	5.15e-004	5.15e-004	4.80e+002	2.40e+003	2.40e+003	5.15e-005	5.15e-005	
dibromoethane;1,2-	1918-00-9	4.80e+002	4.80e+002	2.40e+003	2.40e+003	2.40e+003	4.80e+001	4.80e+001	
dicamba	764-41-0	4.80e+002	4.80e+002	2.40e+003	2.40e+003	2.40e+003	4.80e+001	4.80e+001	
dichloro-2-butene;1,4-									

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
dichlorobenzene;1,2-	95-50-1	7.20e+002	4.20e+003	4.86e+000	4.17e+001	1.82e-001	7.20e+001	1.82e-001	7.20e+001
dichlorobenzene;1,4-	106-46-7	1.82e+000	4.17e+001	4.62e-002	2.22e+000	1.94e-002	1.60e+002	1.94e-002	1.60e+002
dichlorobenzidine;3,3'	91-94-1	1.94e-001	2.22e+000				8.00e+001		8.00e+001
dichlorodifluoromethane	75-71-8	1.60e+003	4.20e+003				8.00e+003		8.00e+003
dichloroethane;1,1-	75-34-3	8.00e+002	4.20e+003				8.00e+003		8.00e+003
dichloroethane;1,2-	107-06-2	4.81e-001	4.17e+003	5.94e+001	1.10e+001	4.81e-002	7.20e+000	4.81e-002	7.20e+000
dichloroethylene;1,1-	75-35-4	7.20e+001	4.17e+003	1.93e+000	1.67e+000	7.29e-003	7.20e+000	7.29e-003	7.20e+000
dichloroethylene;1,2-,cis	156-59-2	8.00e+001	4.17e+003				8.00e+002		8.00e+002
dichloroethylene;1,2-,trans	156-60-5	1.60e+002	3.28e+004				1.60e+003		1.60e+003
dichloromethane	75-09-2	4.80e+002	1.73e+005	9.60e+002	1.33e+002	5.83e-001	4.80e+001	5.83e-001	4.80e+001
dichlorophenol;2,4-	120-83-2	4.80e+001	1.91e+002				2.40e+002		4.80e+002
dichlorophenoxyacetic acid;2,4-	94-75-7	1.60e+002	1.47e+001	2.32e+001	1.47e+001	6.43e-002	8.00e+001	6.43e-002	1.60e+001
dichloropropane;1,2-	78-87-5	6.43e-001	1.47e+001				2.40e+002		4.80e+002
dichloropropanol;2,3-	616-23-9	4.80e+001	1.47e+001				2.40e+002		4.80e+002
dichloropropene;1,3-	562-75-6	2.40e+000	4.07e+002	1.89e+001	5.56e+000	2.43e-001	2.40e+001	2.43e-001	2.40e-001
dichlorvos	62-73-7	8.00e+000	3.44e+000				4.00e+001	3.01e-002	8.00e-001
dicofof	115-32-2								
dicyclopentadiene	77-73-6	4.80e+002					2.40e+003		4.80e+001
dieldrin	60-57-1	8.00e-001	2.78e-002	8.67e-005	6.25e-002	5.47e-004	4.00e+000	5.47e-004	8.00e-002
diethyl phthalate	84-66-2	1.28e+004	2.84e+004				6.40e+004		1.28e+003
diethyl-p-nitrophenylphosphate	311-45-5	3.20e+004					1.60e+005		3.20e+003
diethylene glycol	111-46-6								
diethylene glycol dinitrate	693-21-0								
diethylformamide	617-84-5	1.76e+002	2.13e-004				8.80e+002	1.86e-006	1.76e+001
diethylstilbesterol	56-53-1	1.86e-005	2.13e-004				8.80e+002	1.86e-006	1.76e+001
difenzoquat	43222-48-6	1.28e+003					6.40e+003		1.28e+002
diflubenzuron	35367-38-5	3.20e+002					1.60e+003		3.20e+001
difluoroethane;1,1-	75-37-6	1.28e+003					6.40e+003		1.28e+002
diisopropyl methylphosphonate	1445-75-6	3.20e+002					1.60e+003		3.20e+001
dimethipin	55290-64-7	3.20e+002					1.60e+003		3.20e+001
dimethoate	60-51-5	3.20e+000					1.60e+001		3.20e-001
dimethoxybenzidine;3,3'	119-90-4	6.25e+000	7.14e+001				6.25e+001		6.25e-001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
dimethyl phthalate	131-11-3	1.60e+004	7.20e+004	1.60e+004	8.00e+004	1.60e+003	1.60e+003	1.60e+003	1.60e+003
dimethyl terephthalate	120-61-6	1.60e+003		1.60e+003		8.00e+003		1.60e+002	1.60e+002
dimethyl aniline hydrochloride; 2,4-	21436-96-4	1.51e-001		1.72e+000		1.72e+000		1.51e-002	
dimethyl aniline; 2,4-	95-68-1	1.17e-001		1.33e+000		1.33e+000		1.17e-002	
dimethyl aniline; N,N-	121-69-7	1.90e+000		2.17e+001		2.17e+001		1.90e+001	3.20e+000
dimethyl benzidine; 3,3'-	119-93-7	9.51e-003		1.09e-001		1.09e-001		9.51e-004	
dimethyl formamide; N,N-	68-12-2	1.60e+003		3.85e-001		3.85e-001		8.00e+003	1.60e+002
dimethyl hydrazine; 1,1-	57-14-7	3.37e-002						3.37e-003	
dimethyl hydrazine; 1,2-	540-73-8	3.20e+002		5.53e+002		5.53e+002		1.60e+003	3.20e+001
dimethyl phenol; 2,4-	105-67-9	9.60e+000						4.80e+001	9.60e-001
dimethyl phenol; 2,6-	576-26-1	1.60e+001						8.00e+001	1.60e+000
dimethyl phenol; 3,4-	95-65-8	3.20e+001						1.60e+002	3.20e+000
dinitro-o-cyclohexyl phenol; 4,6-	131-89-5	1.60e+000						8.00e+000	1.60e-001
dinitrobenzene; m-	99-65-0	6.40e+000						3.20e+001	6.40e-001
dinitrobenzene; o-	528-29-0	6.40e+000						3.20e+001	6.40e-001
dinitrobenzene; p-	100-25-4	6.40e+000						3.20e+001	6.40e-001
dinitrophenol; 2,4-	51-28-5	3.20e+001		3.46e+003		3.46e+003		1.60e+002	3.20e+000
dinitrotoluene mixture 2,4-/2,6-	unavailable01	1.29e-001						1.47e+000	1.29e-002
dinitrotoluene; 2,4-	121-14-2	3.20e+001		1.36e+003		1.36e+003		1.60e+002	3.20e+000
dinitrotoluene; 2,6-	606-20-2	1.60e+001						8.00e+001	1.60e+000
dinoseb	88-85-1	1.60e+001						8.00e+001	1.60e+000
dioxane; 1,4-	123-91-1	7.95e+000						9.09e+001	7.95e-001
diphenamid	957-51-7	4.80e+002						2.40e+003	4.80e+001
diphenylamine	122-39-4	4.00e+002		2.16e+003		2.16e+003		2.00e+003	4.00e+001
diphenylhydrazine; 1,2-	122-66-7	1.09e-001		3.25e-001		3.25e-001		1.25e+000	1.09e-002
diquat	85-00-7	3.52e+001						1.76e+002	3.52e+000
direct black 38	1937-37-7	1.02e-002						1.16e-001	1.02e-003
direct blue 6	2602-46-2	1.08e-002						1.23e-001	1.08e-003
direct brown 95	16071-86-6	9.41e-003						1.08e-001	9.41e-004
disulfoton	298-04-4	6.40e-001						3.20e+000	6.40e-002
dithiane; 1,4-	505-29-3	1.60e+002						8.00e+002	1.60e+001
diuron	330-54-1	3.20e+001						1.60e+002	3.20e+000

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
dodine	2439-10-3								
endosulfan	115-29-7		6.40e+001				3.20e+002		6.40e+000
endothall	145-73-3		9.60e+001		5.76e+001		4.80e+002		9.60e+000
endrin	72-20-8		3.20e+002		1.96e-001		1.60e+003		3.20e+001
epichlorohydrin	106-89-8		4.80e+000				2.40e+001		4.80e-001
epoxybutane	106-88-7	8.84e+000				1.01e+002		8.84e-001	
ethophon	16672-87-0								
ethion	563-12-2		8.00e+001				4.00e+002		8.00e+000
ethoxyethanol acetate;2-	111-15-9		8.00e+000				4.00e+001		8.00e-001
ethoxyethanol;2-	110-80-5		4.80e+003				2.40e+004		4.80e+002
ethyl acetate	141-78-6		6.40e+003				3.20e+004		6.40e+002
ethyl acrylate	140-88-5		1.44e+004				7.20e+004		1.44e+003
ethyl chloride	75-00-3	1.82e+000				2.08e+001		1.82e-001	
ethyl dipropylthiocarbamate;S-	759-94-4								
ethyl ether	60-29-7		4.00e+002				2.00e+003		4.00e+001
ethyl methacrylate	97-63-2		1.60e+003				1.60e+004		1.60e+002
ethyl p-nitrophenyl	2104-64-5		7.20e+002				7.20e+003		7.20e+001
phenylphosphorothioate			1.60e-001				8.00e-001		1.60e-002
ethylbenzene	100-41-4		8.00e+002		6.91e+003		8.00e+003		8.00e+001
ethylene cyanohydrin	109-78-4		4.80e+003				2.40e+004		4.80e+002
ethylene diamine	107-15-3		3.20e+002				1.60e+003		3.20e+001
ethylene glycol	107-21-1		3.20e+004				1.60e+005		3.20e+003
ethylene oxide	75-21-8		4.29e-002					4.29e-003	
ethylene thiourea	96-45-7		7.95e-001				6.40e+000		1.28e-001
ethylphthalyl ethylglycolate	84-72-0		1.28e+000				2.40e+005		4.80e+003
express	101200-48-0		4.80e+004				6.40e+002		1.28e+001
fenamiphos	22224-92-6		1.28e+002				6.40e+002		4.00e-001
fensulfothion	115-90-2		4.00e+000				2.00e+001		4.00e-001
fluometuron	2164-17-2		4.00e+000				2.00e+001		4.00e-001
fluoranthene	206-44-0		2.08e+002				1.04e+003		2.08e+001
fluorene	86-73-7		6.40e+002				3.20e+003		6.40e+001
fluorine, soluble fluoride	7782-41-4		6.40e+002		3.46e+003		3.20e+003		6.40e+001
			9.60e+002				4.80e+003		9.60e+001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil(mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
fluridone	59756-60-4								
flurprimidol	56425-91-3								
flutolanil	66332-96-5								
fluvalinate	69409-94-5								
folpet	133-07-3								
fomesafen	72178-02-0								
fonfos	944-22-9								
formaldehyde	50-00-0								
formic acid	64-18-6								
fosetyl-al	39148-24-8								
furan	110-00-9								
furazolidone	67-45-8								
furfural	98-01-1								
furium	531-82-8								
furmecyclox	60568-05-0								
glufosinate-ammonium	77182-82-2								
glycidaldehyde	765-34-4								
glyphosate	1071-83-6								
haloxyfop-methyl	69806-40-2								
harmony	79277-27-3								
heptachlor	76-44-8								
heptachlor epoxide	1024-57-3								
heptane;n-	142-82-5								
hexabromobenzene	87-82-1								
hexachloro-p-dioxin, mixture	19408-74-3								
hexachlorobenzene	118-74-1								
hexachlorobutadiene	87-68-3								
hexachlorocyclohexane;alpha	319-84-6								
hexachlorocyclohexane;beta-	319-85-7								
hexachlorocyclohexane;delta-	319-86-8								
hexachlorocyclohexane;technical	608-73-1								
hexachlorocyclopentadiene	77-47-4								

AR 033860

Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
hexachloroethane	67-72-1	6.25e+000	1.60e+001	5.33e+000	2.98e+001	7.14e+001	8.00e+001	6.25e-001	1.60e+000
hexachlorophene	70-30-4	4.80e+000	4.80e+000	4.80e+002	5.28e+002	3.33e-001	2.40e+001	2.40e+001	4.80e-001
hexamethylene diisocyanate;1,6-	822-06-0		4.80e+002		4.80e+002		4.80e+003		4.80e+001
hexane;n-	110-54-3		5.28e+002		5.28e+002		2.64e+003		5.28e+001
hexazinone	51235-04-2								
hydrazine/hydrazine sulfate	302-01-2	1.46e-002						1.46e-003	
hydrogen chloride	7647-01-0								
hydrogen cyanide	74-90-8		3.20e+002		3.20e+002		1.60e+003		3.20e+001
hydrogen sulfide	7783-06-4		2.40e+001		2.40e+001		2.40e+002		2.40e+000
hydroquinone	123-31-9		6.40e+002		6.40e+002		3.20e+003		6.40e+001
imazalil	35554-44-0		2.08e+002		2.08e+002		1.04e+003		2.08e+001
imazaquin	81335-37-7		4.00e+003		4.00e+003		2.00e+004		4.00e+002
indeno[1,2,3-cd]pyrene	193-39-5	1.20e-002		2.96e-002		1.37e-001		1.20e-003	
iprodione	36734-19-7		6.40e+002		6.40e+002		3.20e+003		6.40e+001
isobutyl alcohol	78-83-1		4.80e+003		4.80e+003		2.40e+004		4.80e+002
isophorone	78-59-1	9.21e+001	3.20e+003	1.56e+003	1.18e+005	1.05e+003	1.60e+004	9.21e+000	3.20e+002
isopropalin	33820-53-0		2.40e+002		2.40e+002		1.20e+003		2.40e+001
isopropyl methyl phosphonic acid	1832-54-8		1.60e+003		1.60e+003		8.00e+003		1.60e+002
isoxaben	82558-50-7		8.00e+002		8.00e+002		4.00e+003		8.00e+001
lactofen	77501-63-4		3.20e+001		3.20e+001		1.60e+002		3.20e+000
lead	7439-92-1								
lead alkyls	unavailable02		1.60e-003		1.60e-003		8.00e-003		1.60e-004
lindane	58-89-9	6.73e-002	4.80e+000	3.84e-002	5.98e+000	7.69e-001	2.40e+001	6.73e-003	4.80e-001
linuron	330-55-2		3.20e+001		3.20e+001		1.60e+002		3.20e+000
londax	83055-99-6		3.20e+003		3.20e+003		1.60e+004		3.20e+002
malathion	121-75-5		3.20e+002		3.20e+002		1.60e+003		3.20e+001
maleic anhydride	108-31-6		1.60e+003		1.60e+003		8.00e+003		1.60e+002
maleic hydrazide	123-33-1		8.00e+003		8.00e+003		4.00e+004		8.00e+002
malonitrile	109-77-3		3.20e-001		3.20e-001		1.60e+000		3.20e-002
mancozeb	8018-01-7		4.80e+002		4.80e+002		2.40e+003		4.80e+001
maneb	12427-38-2		8.00e+001		8.00e+001		4.00e+002		8.00e+000
manganese	7439-96-5a		2.24e+003		2.24e+003		1.12e+004		2.24e+002

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
meposfolan	950-10-7	1.44e+000	7.20e+000	1.44e+000	7.20e+000	1.44e-001	7.20e+000	1.44e-001	7.20e+000
mepiquat chloride	24307-26-4	4.80e+002	2.40e+003	4.80e+002	2.40e+003	4.80e+001	2.40e+003	4.80e+001	2.40e+003
mercuric chloride	7487-94-7	4.80e+000	2.40e+001	4.80e+000	2.40e+001	4.80e+001	2.40e+001	4.80e+001	2.40e+001
mercury	7439-97-6	4.80e+000	2.40e+001	4.80e+000	2.40e+001	4.80e+001	2.40e+001	4.80e+001	2.40e+001
merphos	150-50-5	4.80e-001	2.40e+000	4.80e-001	2.40e+000	4.80e+001	2.40e+000	4.80e+001	2.40e+000
merphos oxide	78-48-8	4.80e-001	2.40e+000	4.80e-001	2.40e+000	4.80e+001	2.40e+000	4.80e+001	2.40e+000
metalaxyl	57837-19-1	9.60e+002	4.80e+003	9.60e+002	4.80e+003	9.60e+001	4.80e+003	9.60e+001	4.80e+003
methacrylonitrile	126-98-7	1.60e+000	8.00e+000	1.60e+000	8.00e+000	1.60e+001	8.00e+000	1.60e+001	8.00e+000
methamidophos	10265-92-6	8.00e-001	4.00e+000	8.00e-001	4.00e+000	8.00e+001	4.00e+000	8.00e+001	4.00e+000
methanol	67-56-1	1.60e+001	8.00e+001	1.60e+001	8.00e+001	1.60e+001	8.00e+001	1.60e+001	8.00e+001
methidathion	950-37-8	4.00e+002	2.00e+003	4.00e+002	2.00e+003	4.00e+001	2.00e+003	4.00e+001	2.00e+003
methomyl	16752-77-5	1.90e+000	8.36e+000	1.90e+000	8.36e+000	1.90e+001	8.36e+000	1.90e+001	8.36e+000
methoxy-5-nitroaniline;2-	99-59-2	8.00e+001	4.00e+002	8.00e+001	4.00e+002	8.00e+001	4.00e+002	8.00e+001	4.00e+002
methoxychlor	72-43-5	3.20e+001	1.60e+002	3.20e+001	1.60e+002	3.20e+001	1.60e+002	3.20e+001	1.60e+002
methoxyethanol acetate;2-	110-49-6	6.40e+001	3.20e+002	6.40e+001	3.20e+002	6.40e+001	3.20e+002	6.40e+001	3.20e+002
methoxyethanol;2-	109-86-4	8.00e+003	4.00e+004	8.00e+003	4.00e+004	8.00e+003	4.00e+004	8.00e+003	4.00e+004
methyl acetate	79-20-9	4.80e+002	2.40e+003	4.80e+002	2.40e+003	4.80e+002	2.40e+003	4.80e+002	2.40e+003
methyl acrylate	96-33-3	4.80e+003	2.40e+004	4.80e+003	2.40e+004	4.80e+003	2.40e+004	4.80e+003	2.40e+004
methyl ethyl ketone	78-93-3	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003
methyl isobutyl ketone	108-10-1	1.60e+000	8.00e+000	1.60e+000	8.00e+000	1.60e+001	8.00e+000	1.60e+001	8.00e+000
methyl mercury	22967-92-6	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003
methyl methacrylate	80-62-6	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003	6.40e+002	3.20e+003
methyl parathion	298-00-0	4.00e+000	2.00e+001	4.00e+000	2.00e+001	4.00e+000	2.00e+001	4.00e+000	2.00e+001
methyl styrene	25013-15-4	9.60e+001	4.80e+002	9.60e+001	4.80e+002	9.60e+001	4.80e+002	9.60e+001	4.80e+002
methyl styrene, alpha	98-83-9	1.12e+003	5.60e+003	1.12e+003	5.60e+003	1.12e+003	5.60e+003	1.12e+003	5.60e+003
methyl tert-butyl ether	1634-04-4	8.00e+000	4.00e+001	8.00e+000	4.00e+001	8.00e+000	4.00e+001	8.00e+000	4.00e+001
methyl-4-chlorophenoxy-acetic acid;2-	94-74-6	2.65e+000	1.32e+001	2.65e+000	1.32e+001	2.65e+000	1.32e+001	2.65e+000	1.32e+001
methyl-5-nitroaniline;2-	99-55-8	4.86e-001	2.43e+000	4.86e-001	2.43e+000	4.86e-001	2.43e+000	4.86e-001	2.43e+000
methylaniline hydrochloride;2-	636-21-5	3.65e-001	1.82e+000	3.65e-001	1.82e+000	3.65e-001	1.82e+000	3.65e-001	1.82e+000
methylaniline;2-	95-53-4	6.73e-001	3.36e+000	6.73e-001	3.36e+000	6.73e-001	3.36e+000	6.73e-001	3.36e+000
methylene bis(2-chloroaniline);4,4'-	101-14-4	1.12e+001	5.60e+001	1.12e+001	5.60e+001	1.12e+001	5.60e+001	1.12e+001	5.60e+001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil(mg/kg)		Soil (mg/kg) 100 x Groundwater	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
methylene bis(n,n'-dimethyl)aniline;4,4'	101-61-1	1.90e+000		2.17e+001		1.90e-001		1.90e-001	
methylene bromide	74-95-3		8.00e+001			8.00e+002		8.00e+002	8.00e+000
methylene diphenyl isocyanate	101-68-8								
methylenebisbenzenamine;4,4'	101-77-9			4.00e+000					
methylhydrazine	60-34-4	7.95e-002		9.09e-001		7.95e-003			
metolachlor	51218-45-2		2.40e+003			1.20e+004		2.40e+002	
metribuzin	21087-64-9		4.00e+002			2.00e+003		4.00e+001	
mevinphos	7786-34-7		4.00e+000			2.00e+001		4.00e-001	
mirex	2385-85-5	4.86e-002		5.56e-001		1.60e+001	4.86e-003	3.20e-001	
molinate	2212-67-1		3.20e+001			1.60e+002		3.20e+000	
molybdenum	7439-98-7		8.00e+001			4.00e+002		8.00e+000	
monochloramine	10599-90-3		1.60e+003			8.00e+003		1.60e+002	
monochlorobutanes	unavailable03		6.40e+003			3.20e+004		6.40e+002	
naled	300-76-5		3.20e+001			1.60e+002		3.20e+000	
naphthalene	91-20-3		3.20e+002	9.88e+003		3.20e+003		3.20e+001	
napropamide	15299-99-7		1.60e+003			8.00e+003		1.60e+002	
nickel subsulfide	12035-72-2								
nickel, refinery dust	unavailable04								
nickel, soluble salts	7440-02-0		3.20e+002	1.10e+003		1.60e+003		3.20e+001	
nitrate	14797-55-8		2.56e+004			1.28e+005		2.56e+003	
nitric oxide	10102-43-9		1.60e+003			8.00e+003		1.60e+002	
nitrite	14797-65-0		8.00e+000	4.49e+002		4.00e+001		8.00e-001	
nitrobenzene	98-95-3		1.12e+003			5.60e+003		1.12e+002	
nitrofurantoin	67-20-9								
nitrofurazone	59-87-0	5.83e-002		6.67e-001		5.83e-003			
nitrogen dioxide	10102-44-0								
nitroguanidine	556-88-7		1.60e+003			8.00e+003		1.60e+002	
nitropropane;2-	79-46-9	4.61e-003		1.05e-001		4.61e-004			
nitroso-N-methylethylamine;N-	10595-95-6	3.98e-003		4.55e-002		3.98e-004			
nitroso-di-n-butylamine;N-	924-16-3	1.62e-002		1.85e-001		1.62e-003			
nitroso-di-n-propylamine;N-	621-64-7	1.25e-002		1.43e-001	8.19e-001	1.25e-003			

AR 033863

Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil(mg/kg)		Soil (mg/kg) 100 x Groundwater	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
nitroso-n-ethylurea;n-	759-73-9	6.16e-004				7.04e-003		6.16e-005	
nitrosodiethanolamine;N-	1116-54-7	3.12e-002				3.57e-001		3.12e-003	
nitrosodiethylamine;N-	55-18-5	5.83e-004				6.67e-003		5.83e-005	
nitrosodimethylamine;N-	62-75-9	1.72e-003		4.89e+000		1.96e-002		1.72e-004	
nitrosodiphenylamine;N-	86-30-6	1.79e+001		9.73e+000		2.04e+002		1.79e+000	
nitrosopyrrolidine;N-	930-55-2	4.17e-002				4.76e-001		4.17e-003	
nitrotoluenes;o-,m-,p-	1321-12-6	1.60e+002				8.00e+002		1.60e+001	
norflurazon	27314-13-2	6.40e+002				3.20e+003		6.40e+001	
nustar	85509-19-9	1.12e+001				5.60e+001		1.12e+000	
octabromodiphenyl ether	32536-52-0	4.80e+001				2.40e+002		4.80e+000	
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	2691-41-0	8.00e+002				4.00e+003		8.00e+001	
octamethylpyrophosphoramide	152-16-9	3.20e+001				1.60e+002		3.20e+000	
oryzalin	19044-88-3	8.00e+002				4.00e+003		8.00e+001	
oxadiazon	19666-30-9	8.00e+001				4.00e+002		8.00e+000	
oxamyl	23135-22-0	4.00e+002				2.00e+003		4.00e+001	
oxyfluorfen	42874-03-3	4.80e+001				2.40e+002		4.80e+000	
paclobutrazol	76738-62-0	2.08e+002				1.04e+003		2.08e+001	
pah	unavailable05	1.20e-002				1.37e-001		1.20e-003	
paraquat	1910-42-5	7.20e+001				3.60e+002		7.20e+000	
parathion	56-38-2	9.60e+001				4.80e+002		9.60e+000	
pebulate	1114-71-2	8.00e+002				4.00e+003		8.00e+001	
pendimethalin	40487-42-1	6.40e+002				3.20e+003		6.40e+001	
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3	3.80e+000				4.35e+001		3.80e-001	
pentabromodiphenyl ether	32534-81-9	3.20e+001				1.60e+002		3.20e+000	
pentachlorobenzene	608-93-5	1.28e+001				6.40e+001		1.28e+000	
pentachloronitrobenzene	82-68-8	4.80e+001				2.40e+002		4.80e+000	
pentachlorophenol	87-86-5	4.80e+002		4.91e+000	7.07e+003	8.33e+000	7.29e-002	4.80e+001	
permethrin	52645-53-1	8.00e+002				4.00e+003		8.00e+001	
perthane	72-56-0	4.80e+001				2.40e+002		4.80e+000	
phernedipham	13684-63-4	4.00e+003				2.00e+004		4.00e+002	

AR 033864

Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
phenol	108-95-2	9.60e+003	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phenylenediamine;m-	108-45-2	9.60e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phenylenediamine;o-	95-54-5	1.86e+000	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phenylmercuric acetate	62-38-4	1.28e+000	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phenylphenol;2-	90-43-7	4.61e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phosmet	732-11-6	3.20e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phosphine	7803-51-2	4.80e+000	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phosphorus	7723-14-0	3.20e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phthalic acid;p-	100-21-0	1.60e+004	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
phthalic anhydride	85-44-9	3.20e+004	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
picloram	1918-02-1	1.12e+003	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
pirimiphos-methyl	29232-93-7	1.60e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
polybrominated biphenyls	unavailable06	9.83e-003	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
polychlorinated biphenyls	1336-36-3	1.14e-002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
potassium cyanide	151-50-8	8.00e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
potassium silver cyanide	506-61-6	3.20e+003	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
prochloraz	67747-09-5	5.83e-001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
profluralin	26399-36-0	1.44e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
prometon	1610-18-0	9.60e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
prometryn	7287-19-6	2.40e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
pronamide	23950-58-5	6.40e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propachlor	1918-16-7	1.20e+003	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propanil	709-98-8	2.08e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propargite	2312-35-8	8.00e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propargyl alcohol	107-19-7	3.20e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propazine	139-40-2	3.20e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propham	122-42-9	3.20e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propiconazole	60207-90-1	2.08e+002	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2	1.60e+001	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propylene glycol	57-55-6	3.20e+005	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001
propylene glycol dinitrate;1,2-	6423-43-4	3.20e+005	1.11e+006	4.80e+004	4.80e+004	1.60e+003	1.60e+003	3.20e+001	3.20e+001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
propylene glycol monoethyl ether	52125-53-8	1.12e+004	1.12e+004	1.12e+004	1.12e+003	5.60e+004	5.60e+004	1.12e+003	1.12e+003
propylene glycol monomethyl ether	107-98-2	1.12e+004	1.12e+004	1.12e+004	1.12e+003	5.60e+004	5.60e+004	1.12e+003	1.12e+003
propylene oxide	75-56-9	1.82e-001	1.82e-001	1.82e-001	1.82e-001	4.17e+000	4.17e+000	1.82e-002	1.82e-002
pursuit	81335-77-5	4.00e+003	4.00e+003	4.00e+003	4.00e+003	2.00e+004	2.00e+004	4.00e+002	4.00e+002
pydrin	51630-58-1	4.00e+002	4.00e+002	4.00e+002	4.00e+002	2.00e+003	2.00e+003	4.00e+001	4.00e+001
pyrene	129-00-0	4.80e+002	4.80e+002	4.80e+002	4.80e+002	2.40e+003	2.40e+003	4.80e+001	4.80e+001
pyridine	110-86-1	1.60e+001	1.60e+001	1.60e+001	1.60e+001	8.00e+001	8.00e+001	1.60e+000	1.60e+000
quinalphos	13593-03-8	8.00e+000	8.00e+000	8.00e+000	8.00e+000	4.00e+001	4.00e+001	8.00e-001	8.00e-001
quinoline	91-22-5	7.29e-003	7.29e-003	7.29e-003	7.29e-003	8.33e-002	8.33e-002	7.29e-004	7.29e-004
rdx	121-82-4	7.95e-001	7.95e-001	7.95e-001	7.95e-001	9.09e+000	9.09e+000	7.95e-002	7.95e-002
refractory ceramic fibers	unavailable07								
resmethrin	10453-86-8	4.80e+002	4.80e+002	4.80e+002	4.80e+002	2.40e+003	2.40e+003	4.80e+001	4.80e+001
ronnel	299-84-3	8.00e+002	8.00e+002	8.00e+002	8.00e+002	4.00e+003	4.00e+003	8.00e+001	8.00e+001
rotenone	83-79-4	6.40e+001	6.40e+001	6.40e+001	6.40e+001	3.20e+002	3.20e+002	6.40e+000	6.40e+000
savay	78587-05-0	4.00e+002	4.00e+002	4.00e+002	4.00e+002	2.00e+003	2.00e+003	4.00e+001	4.00e+001
selenious acid	7783-00-8	8.00e+001	8.00e+001	8.00e+001	8.00e+001	4.00e+002	4.00e+002	8.00e+000	8.00e+000
selenium and compounds	7782-49-2	8.00e+001	8.00e+001	8.00e+001	8.00e+001	4.00e+002	4.00e+002	8.00e+000	8.00e+000
selenourea	630-10-4	8.00e+001	8.00e+001	8.00e+001	8.00e+001	4.00e+002	4.00e+002	8.00e+000	8.00e+000
sethoxdim	74051-80-2	1.44e+003	1.44e+003	1.44e+003	1.44e+003	7.20e+003	7.20e+003	1.44e+002	1.44e+002
silver	7440-22-4	8.00e+001	8.00e+001	8.00e+001	8.00e+001	4.00e+002	4.00e+002	8.00e+000	8.00e+000
silver cyanide	506-64-9	1.60e+003	1.60e+003	1.60e+003	1.60e+003	8.33e+000	8.33e+000	1.60e+002	1.60e+002
simazine	122-34-9	7.29e-001	7.29e-001	7.29e-001	7.29e-001	8.33e+000	8.33e+000	7.29e-002	7.29e-002
sodium azide	26628-22-8	6.40e+001	6.40e+001	6.40e+001	6.40e+001	3.20e+002	3.20e+002	6.40e+000	6.40e+000
sodium cyanide	143-33-9	6.40e+002	6.40e+002	6.40e+002	6.40e+002	3.20e+003	3.20e+003	6.40e+001	6.40e+001
sodium diethyldithiocarbamate	148-18-5	3.24e-001	3.24e-001	3.24e-001	3.24e-001	3.70e+000	3.70e+000	4.80e+001	4.80e+001
sodium fluoroacetate	62-74-8	3.20e-001	3.20e-001	3.20e-001	3.20e-001	1.60e+000	1.60e+000	3.20e-002	3.20e-002
sodium metavanadate	13718-26-8	1.60e+001	1.60e+001	1.60e+001	1.60e+001	8.00e+001	8.00e+001	1.60e+000	1.60e+000
strontium	7440-24-6	9.60e+003	9.60e+003	9.60e+003	9.60e+003	4.80e+004	4.80e+004	9.60e+002	9.60e+002
strychnine	57-24-9	4.80e+000	4.80e+000	4.80e+000	4.80e+000	2.40e+001	2.40e+001	4.80e-001	4.80e-001
styrene	100-42-5	1.46e+000	1.46e+000	1.46e+000	1.46e+000	3.33e+001	3.33e+001	1.60e+002	1.60e+002
sythane	88671-89-0	4.00e+002	4.00e+002	4.00e+002	4.00e+002	2.00e+003	2.00e+003	4.00e+001	4.00e+001
tcdd;2,3,7,8-	1746-01-6	5.83e-007	5.83e-007	5.83e-007	5.83e-007	8.64e-009	8.64e-009	5.83e-008	5.83e-008

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
tebutiuron	34014-18-1		1.12e+003				5.60e+003		1.12e+002
temephos	3383-96-8		3.20e+002				1.60e+003		3.20e+001
terbacil	5902-51-2		2.08e+002				1.04e+003		2.08e+001
terbufos	13071-79-9		4.00e-001				2.00e+000		4.00e-002
terbutryn	886-50-0		1.60e+001				8.00e+001		1.60e+000
tetrachlorobenzene;1,2,4,5-	95-94-3		4.80e+000				2.40e+001		4.80e-001
tetrachloroethane;1,1,1,2-	630-20-6	1.68e+000	2.40e+002			3.85e+001	2.40e+003	1.68e-001	2.40e+001
tetrachloroethane;1,1,2,2-	79-34-5	2.19e-001		6.48e+000		5.00e+000		2.19e-002	
tetrachloroethylene	127-18-4	8.58e-001		4.15e+000	8.47e+002	1.96e+001	8.00e+002	8.58e-002	8.00e+000
tetrachlorophenol;2,3,4,6-	58-90-2		4.80e+002				2.40e+003		4.80e+001
tetrachlorotoluene;p,a,a,a,-	5216-25-1	4.37e-003				5.00e-002		4.37e-004	
tetrachlorvinphos	961-11-5	3.65e+000				4.17e+001		3.65e-001	4.80e+001
tetraethyl dithiopyrophosphate	3689-24-5		8.00e+000				4.00e+001		8.00e-001
tetraethyl lead	78-00-2		1.60e-003				8.00e-003		1.60e-004
tetrafluoroethane;1,1,1,2-	811-97-2		4.80e+002				2.40e+003		4.80e+001
thallium oxide	1314-32-5		4.80e+002				2.40e+003		4.80e+001
thallium acetate	563-68-8		8.00e+000				4.00e+001		8.00e-001
thallium carbonate	6533-73-9		1.60e-003				8.00e-003		1.60e-004
thallium chloride	7791-12-0		1.28e+000				6.40e+000		1.28e-001
thallium nitrate	10102-45-1		1.44e+000				7.20e+000		1.44e-001
thallium selenite	12039-52-0		1.28e+000				6.40e+000		1.28e-001
thallium(I) sulfate	7446-18-6		1.28e+000				6.40e+000		1.28e-001
thallium, soluble salts	7440-28-0		1.12e+000		1.56e+000		5.60e+000		1.12e-001
thiobencarb	28249-77-6		1.60e+002				8.00e+002		1.60e+001
thiocyanomethylthiobenzothiazole;2-	21564-17-0		4.80e+002				2.40e+003		4.80e+001
thiofanox	39196-18-4		4.80e+000				2.40e+001		4.80e-001
thiophanate-methyl	23564-05-8		1.28e+003				6.40e+003		1.28e+002
thiram	137-26-8		8.00e+001				4.00e+002		8.00e+000
tin	7440-31-5		9.60e+003				4.80e+004		9.60e+002
tnt	118-96-7	2.92e+000					4.00e+001	2.92e-001	8.00e-001
toluene	108-88-3		1.60e+003				1.60e+004		1.60e+002
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5						3.33e+001		8.00e-001

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	100 x Groundwater	Non-Carcinogen
toluenediamine;2,4-	95-80-7	2.73e-002	2.73e-002	3.12e-001	3.12e-001	4.80e+004	2.73e-003	9.60e+002	9.60e+002
toluenediamine;2,5-	95-70-5	3.20e+003	3.20e+003	5.26e+000	5.26e+000	1.60e+004	4.61e-002	3.20e+002	3.20e+002
toluenediamine;2,6-	823-40-5	4.61e-001	4.61e-001	9.09e-001	9.09e-001	6.40e+002	7.95e-003	1.28e+001	1.28e+001
toluidine;p-	106-49-0	1.28e+002	1.28e+002	1.20e+002	1.20e+002	6.00e+002	1.20e+001	1.20e+001	1.20e+001
toxaphene	8001-35-2	7.95e-002	7.95e-002	2.08e+002	2.08e+002	1.04e+003	2.08e+001	2.08e+001	2.08e+001
tp;2,4,5-	93-72-1	unavailable08	unavailable08	1.60e+002	1.60e+002	8.00e+002	1.60e+001	1.60e+001	1.60e+001
tph	unavailable08	unavailable08	unavailable08	8.00e+001	8.00e+001	4.00e+002	8.00e+000	8.00e+000	8.00e+000
tph, diesel	unavailable09	unavailable09	unavailable09	4.80e-001	4.80e-001	2.40e+000	4.80e-002	4.80e-002	4.80e-002
tph, gasoline	unavailable10	unavailable10	unavailable10	4.80e+005	4.80e+005	2.40e+006	4.80e+004	4.80e+004	4.80e+004
tph, other	unavailable11	unavailable11	unavailable11	3.45e+001	3.45e+001	3.02e+000	3.02e-001	3.02e-001	3.02e-001
tralomethrin	66841-25-6	3.02e+000	3.02e+000	2.94e+001	2.94e+001	8.00e+002	2.94e-001	8.00e+000	8.00e+000
triallate	2303-17-5	2.57e+000	2.57e+000	2.27e+002	2.27e+002	8.00e+002	2.57e-001	8.00e+000	8.00e+000
triasulfuron	82097-50-5	2.57e+000	2.57e+000	4.17e+005	4.17e+005	7.20e+003	4.17e+005	7.20e+002	7.20e+002
tribromobenzene;1,2,4-	615-54-3	7.68e-001	7.68e-001	2.30e+003	2.30e+003	3.20e+001	2.30e+003	3.20e+000	3.20e+000
tributyltin oxide	56-35-9	3.98e+000	3.98e+000	2.53e+001	2.53e+001	5.56e+001	9.09e+001	2.40e+002	2.40e+002
trichloro-1,2,2-	76-13-1	3.98e+000	3.98e+000	5.56e+001	5.56e+001	3.93e+000	3.98e-001	1.60e+002	1.60e+002
trichloroethane;1,1,2-	33663-50-2	3.02e+000	3.02e+000	9.09e+001	9.09e+001	8.00e+002	9.09e+001	8.00e+001	8.00e+001
trichloroaniline	634-93-5	2.57e+000	2.57e+000	1.60e+002	1.60e+002	1.60e+002	7.95e-001	1.60e+001	1.60e+001
hydrochloride;2,4,6-	120-82-1	2.57e+000	2.57e+000	4.00e+001	4.00e+001	4.00e+001	7.95e-001	4.00e+000	4.00e+000
trichloroaniline;2,4,6-	71-55-6	7.68e-001	7.68e-001	4.80e+001	4.80e+001	4.80e+001	6.25e-004	4.80e+000	4.80e+000
trichlorobenzene;1,2,4-	79-00-5	7.68e-001	7.68e-001	8.00e+001	8.00e+001	8.00e+001	6.25e-004	8.00e+000	8.00e+000
trichloroethane;1,1,1-	79-01-6	3.98e+000	3.98e+000	3.98e+000	3.98e+000	3.98e+000	6.25e-004	3.98e+000	3.98e+000
trichloroethane;1,1,2-	79-01-6	3.98e+000	3.98e+000	2.40e+003	2.40e+003	2.40e+003	3.98e-001	2.40e+002	2.40e+002
trichloroethylene	75-69-4	2.40e+003	2.40e+003	1.60e+003	1.60e+003	1.60e+003	3.98e-001	1.60e+002	1.60e+002
trichlorofluoromethane	95-95-4	1.60e+003	1.60e+003	1.60e+002	1.60e+002	1.60e+002	7.95e-001	1.60e+001	1.60e+001
trichlorophenol;2,4,5-	88-06-2	7.95e+000	7.95e+000	4.00e+001	4.00e+001	4.00e+001	7.95e-001	4.00e+000	4.00e+000
trichlorophenol;2,4,6-	93-76-5	7.95e+000	7.95e+000	4.80e+001	4.80e+001	4.80e+001	6.25e-004	4.80e+000	4.80e+000
trichlorophenoxyacetic acid;2,4,5-	598-77-6	6.25e-003	6.25e-003	8.00e+001	8.00e+001	8.00e+001	6.25e-004	8.00e+000	8.00e+000
trichloropropane;1,1,2-	96-18-4	8.00e+001	8.00e+001	4.80e+001	4.80e+001	4.80e+001	6.25e-004	4.80e+000	4.80e+000
trichloropropane;1,2,3-	96-19-5	8.00e+001	8.00e+001	4.80e+001	4.80e+001	4.80e+001	6.25e-004	8.00e+000	8.00e+000
trichloropropene;1,2,3-	58138-08-2	4.80e+001	4.80e+001	4.80e+001	4.80e+001	4.80e+001	6.25e-004	4.80e+000	4.80e+000
tridiaphane	58138-08-2	4.80e+001	4.80e+001	4.80e+001	4.80e+001	4.80e+001	6.25e-004	4.80e+000	4.80e+000

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Model Toxics Control Act
 Method B Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water (ug/L)		Surface Water (ug/L)		Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
triethylamine	121-44-8								
trifluralin	1582-09-8	1.14e+001	1.20e+002	1.30e+002	6.00e+002	1.14e+000	1.20e+001		
trimethyl phosphate	512-56-1	2.36e+000		2.70e+001		2.36e-001			
trinitrobenzene;1,3,5-	99-35-4	8.00e-001				4.00e+000	8.00e-002		
trinitrophenylmethylnitramine	479-45-8	1.60e+002				8.00e+002	1.60e+001		
uranium, soluble salts	unavailable12	4.80e+001				2.40e+002	4.80e+000		
vanadium	7440-62-2	1.12e+002				5.60e+002	1.12e+001		
vanadium pentoxide	1314-62-1	1.44e+002				7.20e+002	1.44e+001		
vanadyl sulfate	27774-13-6	3.20e+002				1.60e+003	3.20e+001		
vernarn	1929-77-7	1.60e+001				8.00e+001	1.60e+000		
vinclozolin	50471-44-8	4.00e+002				2.00e+003	4.00e+001		
vinyl acetate	108-05-4	8.00e+003				8.00e+004	8.00e+002		
vinyl chloride	75-01-4	2.30e-002		2.92e+000		5.26e-001	2.30e-003		
warfarin	81-81-2	4.80e+000				2.40e+001	4.80e-001		
xylene	1330-20-7	1.60e+004				1.60e+005	1.60e+003		
xylene;m-	108-38-3	1.60e+004				1.60e+005	1.60e+003		
xylene;o-	95-47-6	1.60e+004				1.60e+005	1.60e+003		
zinc	7440-66-6	4.80e+003			1.65e+004	2.40e+004	4.80e+002		
zinc cyanide	557-21-1	8.00e+002				4.00e+003	8.00e+001		
zinc phosphide	1314-84-7	4.80e+000				2.40e+001	4.80e-001		
zineb	12122-67-7	8.00e+002				4.00e+003	8.00e+001		

Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen
acenaphthene	83-32-9										
acephate	30560-19-1	1.01e+002	1.40e+002	1.61e+003	4.60e+003	1.28e+003	1.51e+004	2.10e+005	1.40e+004	1.01e+001	1.40e+001
acetaldehyde	75-07-0										
acetochlor	34256-82-1										
acetone	67-64-1	7.00e+002	7.00e+002	6.40e+003	6.40e+003	3.20e+004	7.00e+004	7.00e+004	7.00e+004	7.00e+001	7.00e+001
acetone cyanohydrin	75-86-5	1.75e+003	1.75e+003	3.20e+004	3.20e+004	2.50e+002	3.50e+005	3.50e+005	3.50e+005	1.75e+002	1.75e+002
acetonitrile	75-05-8	2.80e+001	2.80e+001	1.92e+003	1.92e+003	2.10e+004	2.10e+004	2.10e+004	2.10e+004	2.80e+000	2.80e+000
acetophenone	98-86-2	1.05e+002	1.05e+002	3.20e+004	3.20e+004	3.20e+004	3.50e+005	3.50e+005	3.50e+005	1.05e+001	1.05e+001
acifluorfen, sodium	62476-59-9	3.50e+003	3.50e+003	4.22e+003	4.22e+003	4.62e+002	4.62e+002	4.62e+002	4.62e+002	3.50e+002	3.50e+002
acrolein	107-02-8	4.62e+002	4.62e+002	6.40e+003	6.40e+003	7.00e+004	7.00e+004	7.00e+004	7.00e+004	4.62e+001	4.62e+001
acrylamide	79-06-1	3.50e+000	3.50e+000	6.40e+001	8.89e+000	6.40e+001	2.92e+001	7.00e+002	9.72e-003	3.50e-001	3.50e-001
acrylic acid	79-10-7	1.75e+004	1.75e+004	1.60e+005	1.60e+005	1.60e+005	1.75e+006	1.75e+006	1.75e+006	1.75e+003	1.75e+003
acrylonitrile	107-13-1	8.10e-001	8.10e-001	2.16e+002	7.41e+001	3.20e+002	2.43e+002	3.50e+003	8.10e-002	1.75e+000	1.75e+000
alachlor	15972-60-8	1.08e+001	1.08e+001	3.50e+002	4.94e+002	3.20e+003	1.62e+003	3.50e+004	1.08e+000	3.50e+001	3.50e+001
alar	1596-84-5	5.25e+003	5.25e+003	4.80e+004	4.80e+004	4.80e+004	5.25e+005	5.25e+005	5.25e+005	5.25e+002	5.25e+002
aldicarb	116-06-3	3.50e+001	3.50e+001	3.20e+002	3.20e+002	3.20e+002	3.50e+003	3.50e+003	3.50e+003	3.50e+000	3.50e+000
aldicarb sulfone	1646-88-4	3.50e+001	3.50e+001	3.20e+002	3.20e+002	3.20e+002	3.50e+003	3.50e+003	3.50e+003	3.50e+000	3.50e+000
aldrin	309-00-2	5.15e-002	5.15e-002	4.16e-002	2.35e+000	9.60e+000	7.72e+000	1.05e+002	5.15e-001	1.05e-001	1.05e-001
allyl	74223-64-6	8.75e+003	8.75e+003	8.00e+004	8.00e+004	8.00e+004	8.75e+005	8.75e+005	8.75e+005	8.75e+002	8.75e+002
allyl alcohol	107-18-6	1.75e+002	1.75e+002	1.60e+003	1.60e+003	1.60e+003	1.75e+004	1.75e+004	1.75e+004	1.75e+001	1.75e+001
allyl chloride	107-05-1	1.75e+003	1.75e+003	1.60e+004	1.60e+004	1.60e+004	1.75e+005	1.75e+005	1.75e+005	1.75e+002	1.75e+002
aluminum phosphide	20859-73-8	1.40e+001	1.40e+001	1.28e+002	1.28e+002	1.28e+002	1.40e+003	1.40e+003	1.40e+003	1.40e+000	1.40e+000
andro	67485-29-4	1.05e+001	1.05e+001	9.60e+001	9.60e+001	9.60e+001	1.05e+003	1.05e+003	1.05e+003	1.05e+000	1.05e+000
ametryn	834-12-8	3.15e+002	3.15e+002	2.88e+003	2.88e+003	2.88e+003	3.15e+004	3.15e+004	3.15e+004	3.15e+001	3.15e+001
aminophenol;m-	591-27-5	2.45e+003	2.45e+003	2.24e+004	2.24e+004	2.24e+004	2.45e+005	2.45e+005	2.45e+005	2.45e+002	2.45e+002
aminopyridine;4-	504-24-5	7.00e-001	7.00e-001	6.40e+000	6.40e+000	6.40e+000	7.00e+001	7.00e+001	7.00e+001	7.00e-002	7.00e-002
amitraz	33089-61-1	8.75e+001	8.75e+001	8.00e+002	8.00e+002	8.00e+002	8.75e+003	8.75e+003	8.75e+003	8.75e+000	8.75e+000
ammonia	7664-41-7	5.95e+005	5.95e+005	1.09e+007	1.09e+007	1.09e+007	1.19e+008	1.19e+008	1.19e+008	5.95e+004	5.95e+004
ammonium sulfamate	7773-06-0	7.00e+003	7.00e+003	6.40e+004	6.40e+004	6.40e+004	7.00e+005	7.00e+005	7.00e+005	7.00e+002	7.00e+002

AR 033870

Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
aniline	62-53-3	1.54e+002				7.02e+003		2.30e+004		1.54e+001	
anthracene	120-12-7			1.05e+004		6.48e+004		9.60e+004		1.05e+006	1.05e+003
antimony pentoxide	1314-60-9			1.75e+001				1.60e+002		1.75e+003	1.75e+000
antimony potassium tartrate	28300-74-5			3.15e+001				2.88e+002		3.15e+003	3.15e+000
antimony tetroxide	1332-81-6			1.40e+001				1.28e+002		1.40e+003	1.40e+000
antimony trioxide	1309-64-4			1.40e+001				1.28e+002		1.40e+003	1.40e+000
apollo	74115-24-5			4.55e+002				4.16e+003		4.55e+004	4.55e+001
aramite	140-57-8			3.50e+001				1.60e+003	1.60e+004	1.75e+005	3.50e+002
aroclor 1016	12674-11-2			2.45e+000				2.24e+001		2.45e+002	2.45e-001
aroclor 1254	11097-69-1			7.00e-001				6.40e+000		7.00e+001	7.00e-002
arsenic, inorganic	7440-38-2	5.83e-001		1.05e+001		2.46e+000	4.42e+001	6.67e+001	2.40e+002	2.19e+002	5.83e-002
arsine	7784-42-1										
asbestos	1332-21-4										
assure	76578-14-8			3.15e+002				2.88e+003		3.15e+004	3.15e+001
asulam	3337-71-1			1.75e+003				1.60e+004		1.75e+005	1.75e+002
atrazine	1912-24-9	3.98e+000		1.22e+003				1.82e+002	1.12e+004	5.97e+002	1.22e+002
avermectin B1	65195-55-3			1.40e+001				1.28e+002		1.40e+003	1.40e+000
azobenzene	103-33-3			7.95e+000				3.64e+002		1.19e+003	7.95e-001
barium	7440-39-3										
barium cyanide	542-62-1			2.45e+003				2.24e+004		2.45e+005	2.45e+002
baygon	114-26-1			3.50e+003				3.20e+004		3.50e+005	3.50e+002
bayleton	43121-43-3			1.40e+002				1.28e+003		1.40e+004	1.40e+001
baythroid	68359-37-5			1.05e+003				9.60e+003		1.05e+005	1.05e+002
benefin	1861-40-1			8.75e+002				8.00e+003		8.75e+004	8.75e+001
benomyl	17804-35-2			1.05e+004				9.60e+004		1.05e+006	1.05e+003
bentazon	25057-89-0			1.75e+003				1.60e+004		1.75e+005	1.75e+002
benzaldehyde	100-52-7			8.75e+001				8.00e+002		8.75e+003	8.75e+000
benzene	71-43-2	1.51e+001		3.50e+003		1.07e+003		3.20e+004		3.50e+005	3.50e+002
benzenethiol	108-98-5			3.50e-001				3.20e+000		3.50e+001	3.50e-002
benzidine	92-87-5	3.80e-003		1.05e+002		8.05e-003	2.22e+002	1.74e-001	9.60e+002	5.71e-001	3.80e-004

AR 033871

Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/Kg)		Industrial Soil (mg/Kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
benzo[a]anthracene	56-55-3	1.20e-001	1.40e+005	7.40e-001	1.28e+006	5.48e+000	1.80e+001	1.80e+001	1.20e-002	1.40e+004	1.20e-002
benzo[a]pyrene	50-32-8	1.20e-001	1.05e+004	7.40e-001	9.60e+004	5.48e+000	1.80e+001	1.80e+001	1.20e-002	1.05e+006	1.20e-002
benzo[b]fluoranthene	205-99-2	1.20e-001	1.75e+002	7.40e-001	2.35e+002	5.48e+000	1.80e+001	1.80e+001	1.20e-002	1.75e+004	1.20e-002
benzo[k]fluoranthene	207-08-9	1.20e-001	2.80e+003	7.40e-001	2.56e+004	5.48e+000	1.80e+001	1.80e+001	1.20e-002	2.80e+005	1.20e-002
benzoic acid	65-85-0	1.40e+005	3.50e+000	1.40e+005	3.20e+001	1.28e+006	1.80e+001	1.80e+001	1.20e-002	1.40e+007	1.40e+004
benzotrichloride	98-07-7	6.73e-002	1.75e+002	6.73e-002	1.60e+003	3.08e+000	1.01e+001	1.01e+001	6.73e-003	1.05e+006	6.73e-003
benzyl alcohol	100-51-6	2.57e+000	2.80e+003	2.57e+000	2.56e+004	2.35e+002	7.72e+002	7.72e+002	2.57e-001	1.75e+004	2.57e-001
benzyl chloride	100-44-7	2.03e-001	3.50e+000	1.98e+000	3.20e+001	9.30e+000	3.05e+001	3.05e+001	2.03e-002	2.80e+005	2.03e-002
beryllium	7440-41-7	2.03e-001	5.25e+002	1.98e+000	4.80e+003	1.60e+003	3.05e+001	3.05e+001	2.03e-002	1.75e+005	2.03e-002
beta-chloronaphthalene	91-58-7	2.80e+003	1.75e+003	1.98e+000	1.60e+004	2.56e+004	3.05e+001	3.05e+001	2.80e+002	1.75e+005	2.80e+002
bidrin	141-66-2	3.50e+000	1.75e+003	1.98e+000	1.60e+004	2.56e+004	3.05e+001	3.05e+001	3.50e+002	1.75e+005	3.50e+002
biphenyl	82657-04-3	5.25e+002	1.75e+003	1.98e+000	1.60e+004	2.56e+004	3.05e+001	3.05e+001	5.25e+004	1.75e+005	5.25e+004
biphenyl;1,1-	92-52-4	1.75e+003	1.75e+003	1.98e+000	1.60e+004	2.56e+004	3.05e+001	3.05e+001	1.75e+005	1.75e+005	1.75e+005
bis(2-chloro-1-methyl-ethyl)ether	108-60-1	1.25e+001	5.71e+002	1.25e+001	5.71e+002	5.71e+002	1.87e+003	1.87e+003	1.25e+000	1.75e+005	1.25e+000
bis(2-chloroethyl)ether	111-44-4	3.98e-001	7.00e+002	2.13e+001	1.05e+005	3.64e+001	1.19e+002	1.19e+002	3.98e-002	1.40e+005	3.98e-002
bis(2-chloroisopropyl) ether	39638-32-9	7.00e+002	7.00e+002	2.13e+001	1.05e+005	3.64e+001	1.19e+002	1.19e+002	7.00e+001	1.40e+005	7.00e+001
bis(2-ethylhexyl) phthalate	117-81-7	6.25e+001	7.00e+002	8.90e+001	9.97e+002	2.86e+003	9.37e+003	9.37e+003	6.25e+000	7.00e+004	6.25e+000
bis(chloromethyl)ether	542-88-1	1.99e-003	1.75e+003	1.99e-003	1.82e-001	1.82e-001	5.97e-001	5.97e-001	1.99e-004	1.75e+005	1.99e-004
bisphenol a	80-05-7	1.75e+003	3.15e+003	1.75e+003	3.15e+003	3.15e+003	1.60e+004	1.60e+004	1.75e+002	3.15e+005	1.75e+002
boron	7440-42-8	3.15e+003	3.50e+002	3.15e+003	2.88e+004	2.88e+004	2.12e+003	2.12e+003	3.15e+002	3.15e+005	3.15e+002
bromodichloromethane	75-27-4	7.06e+000	3.50e+002	6.97e+002	6.40e+003	6.45e+002	2.12e+003	2.12e+003	7.06e-001	7.00e+004	7.06e-001
bromoethene	593-60-2	5.54e+001	3.50e+002	5.47e+003	6.40e+003	5.06e+003	1.66e+004	1.66e+004	5.54e+000	7.00e+004	5.54e+000
bromoform	75-25-2	2.45e+001	2.45e+001	5.47e+003	6.40e+003	5.06e+003	1.66e+004	1.66e+004	3.50e+001	4.90e+003	3.50e+001
bromomethane	74-83-9	1.75e+002	1.75e+002	2.42e+003	4.48e+002	4.48e+002	1.60e+003	1.60e+003	2.45e+000	1.75e+004	2.45e+000
bromophos	2104-96-3	7.00e+002	7.00e+002	1.75e+002	1.60e+003	1.60e+003	6.40e+003	6.40e+003	1.75e+001	7.00e+004	1.75e+001
bromoxynil	1689-84-5	7.00e+002	7.00e+002	7.00e+002	6.40e+003	6.40e+003	6.40e+003	6.40e+003	7.00e+001	7.00e+004	7.00e+001
bromoxynil octanoate	1689-99-2	7.00e+002	7.00e+002	7.00e+002	6.40e+003	6.40e+003	6.40e+003	6.40e+003	7.00e+001	7.00e+004	7.00e+001
butadiene;1,3-	106-99-0	3.50e+003	3.50e+003	3.50e+003	3.20e+004	3.20e+004	3.50e+005	3.50e+005	3.50e+002	3.50e+005	3.50e+002
butanol;n-	71-36-3	3.50e+003	3.50e+003	3.50e+003	3.20e+004	3.20e+004	3.50e+005	3.50e+005	3.50e+002	3.50e+005	3.50e+002

AR 033872

Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
butyl benzyl phthalate	85-68-7	7.00e+003		3.13e+003		6.40e+004		7.00e+005		7.00e+002	
butylate	2008-41-5	1.75e+003				1.60e+004		1.75e+005		1.75e+002	
butylphthalyl butylglycolate	85-70-1	3.50e+004				3.20e+005		3.50e+006		3.50e+003	
butyric acid;4-(2-methyl-4-chlorophenoxy)-	94-81-5	3.50e+002				3.20e+003		3.50e+004		3.50e+001	
cacodylic acid	75-60-5	1.05e+002				9.60e+002		1.05e+004		1.05e+001	
cadmium in soil (ignore water values for Methods B)	7440-43-9a	3.50e+001		1.01e+002		3.20e+002		3.50e+003		3.50e+000	
cadmium in water (ignore soil values for Methods B)	7440-43-9	1.75e+001		5.06e+001		1.60e+002		1.75e+003		1.75e+000	
calcium cyanide	592-01-8	1.40e+003				1.28e+004		1.40e+005		1.40e+002	
caprolactam	105-60-2	1.75e+004				1.60e+005		1.75e+006		1.75e+003	
captafol	2425-06-1	1.02e+002				4.65e+003		1.53e+004		7.00e+000	
captan	133-06-2	2.50e+002				1.14e+004		3.75e+004		4.55e+002	
carbaryl	63-25-2	3.50e+003				3.20e+004		3.50e+005		3.50e+002	
carbazole	86-74-8	4.38e+001				2.00e+003		6.56e+003		4.38e+000	
carbofuran	1563-66-2	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
carbon disulfide	75-15-0	1.75e+003				3.20e+004		3.50e+005		1.75e+002	
carbon tetrachloride	56-23-5	1.22e+001		6.65e+001		2.24e+002		1.01e+003		1.23e+000	
carbophenothion	786-19-6	3.37e+000				4.16e+001		4.55e+002		4.55e-001	
carbosulfan	55285-14-8	4.55e+000				3.20e+003		3.50e+004		3.50e+001	
carboxin	5234-68-4	3.50e+003				3.20e+004		3.50e+005		3.50e+002	
chloral	75-87-6	7.00e+001				6.40e+002		7.00e+003		7.00e+000	
chloramben	133-90-4	5.25e+002				4.80e+003		5.25e+004		5.25e+001	
chloranil	118-75-2	2.17e+000				9.93e+001		3.26e+002		2.17e-001	
chlorodane	57-74-9	6.73e-001		8.84e-003		1.92e+001		1.01e+002		6.73e-002	
chlorimuron-ethyl	90982-32-4	2.10e+000		2.76e-002		3.08e+001		1.01e+002		2.10e-001	
chlorine	7782-50-5	7.00e+002				6.40e+003		7.00e+004		7.00e+001	
chlorine cyanide	506-77-4	3.50e+003				3.20e+004		3.50e+005		3.50e+002	
chlorine dioxide	10049-04-4	1.75e+003				1.60e+004		1.75e+005		1.75e+002	

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
chlorite	7758-19-2										
chloro-1,3-butadiene;2-	126-99-8		7.00e+002			6.40e+003		7.00e+004		1.90e-001	7.00e+001
chloro-2-methylaniline	3165-93-3	1.90e+000		8.70e+001		2.85e+002		2.26e+002		1.51e-001	
hydrochloride;4-											
chloro-2-methylaniline;4-	95-69-2	1.51e+000		6.90e+001		6.40e+002		2.26e+002		1.51e-001	7.00e+000
chloroacetic acid	79-11-8		7.00e+001								
chloroacetophenohe;2-	532-27-4										
chloroaniline;p-	106-47-8		1.40e+002		1.26e+004	1.28e+003		1.40e+004			1.40e+001
chlorobenzene	108-90-7		3.50e+002			6.40e+003		7.00e+004			3.50e+001
chlorobenzilate	510-15-6	3.24e+000		1.48e+002		6.40e+003		4.86e+002		3.24e-001	7.00e+001
chlorobenzoic acid;p-	74-11-3		7.00e+003			6.40e+004		7.00e+005			7.00e+002
chlorobenzotrifluoride;4-	98-56-6		7.00e+002			6.40e+003		7.00e+004			7.00e+001
chlorobutane;1-	109-69-3		1.40e+004			1.28e+005		1.40e+006			1.40e+003
chloroform	67-66-3	7.17e+001	1.75e+002	6.56e+003	1.73e+004	3.20e+003		2.15e+004	3.50e+004	7.17e+000	1.75e+001
chloromethane	74-87-3	3.37e+001		3.08e+003				1.01e+004		3.37e+000	
chloromethyl methyl ether	107-30-2										
chloronitrobenzene;o-	88-73-3	3.50e+001		1.60e+003				5.25e+003		3.50e+000	
chloronitrobenzene;p-	100-00-5	4.86e+001		2.22e+003				7.29e+003		4.86e+000	
chlorophenol;2-	95-57-8		1.75e+002		2.42e+002	1.60e+003		1.75e+004			1.75e+001
chlorophenyl methyl sulfide;p-	123-09-1										
chlorophenyl methyl sulfone;p-	98-57-1										
chlorophenyl methyl sulfoxide;p-	934-73-6										
chloropropane;2-	75-29-6										
chloroethanol	1897-45-6	7.95e+001	5.25e+002	3.64e+003	4.80e+003	4.80e+003		1.19e+004	5.25e+004	7.95e+000	5.25e+001
chlorotoluene;o-	95-49-8		3.50e+002			6.40e+003		7.00e+004			3.50e+001
chlorpropam	101-21-3		7.00e+003			6.40e+004		7.00e+005			7.00e+002
chlorpyrifos	2921-88-2		1.05e+002			9.60e+002		1.05e+004			1.05e+001

AR 033874

Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen
chlorpyrifos-methyl	5598-13-0	3.50e+002				3.20e+003		3.50e+004		3.50e+001	
chlorsulfuron	64902-72-3	1.75e+003				1.60e+004		1.75e+005		1.75e+002	
chlorthiophos	21923-23-9	2.80e+001				2.56e+002		2.80e+003		2.80e+000	
chromium (total)	7440-47-3										
chromium(III)	16065-83-1	3.50e+004		4.05e+005		3.20e+005		3.50e+006		3.50e+003	
chromium(VI)	18540-29-9	1.75e+002		2.03e+003		1.60e+003		1.75e+004		1.75e+001	
chrysene	218-01-9	1.20e-001	7.40e-001		5.48e+000		1.80e+001		1.20e-002		
copper	7440-50-8	1.30e+003		6.66e+003		1.18e+004		1.30e+005		1.30e+002	
copper cyanide	544-92-3	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
creosote	8001-58-9										
cresol,m-	108-39-4	1.75e+003				1.60e+004		1.75e+005		1.75e+002	
cresol,o-	95-48-7	1.75e+003				1.60e+004		1.75e+005		1.75e+002	
cresol,p-	106-44-5	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
crotonaldehyde	123-73-9	4.61e-001			2.11e+001		6.91e+001		4.61e-002		
cumene	98-82-8	1.40e+003				1.28e+004		1.40e+005		1.40e+002	
cyanazine	21725-46-2	1.04e+000			4.76e+001		1.56e+002		1.04e-001		
cyanide	57-12-5	7.00e+002		1.30e+005		6.40e+003		7.00e+004		7.00e+001	
cyanogen	460-19-5	1.40e+003				1.28e+004		1.40e+005		1.40e+002	
cyanogen bromide	506-68-3	3.15e+003				2.88e+004		3.15e+005		3.15e+002	
cyclohexanone	108-94-1	1.75e+005				1.60e+006		1.75e+007		1.75e+004	
cyclohexylamine	108-91-8	7.00e+003				6.40e+004		7.00e+005		7.00e+002	
cyclopentadiene	542-92-7										
cyhalothrin/karate	68085-85-8	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
cypermethrin	52315-07-8	3.50e+002				3.20e+003		3.50e+004		3.50e+001	
cyromazine	66215-27-8	2.62e+002				2.40e+003		2.62e+004		2.62e+001	
dacthal	1861-32-1	3.50e+002				3.20e+003		3.50e+004		3.50e+001	
dallepon, sodium salt	75-99-0	1.05e+003				9.60e+003		1.05e+005		1.05e+002	
danitrol	39515-41-8	8.75e+002				8.00e+003		8.75e+004		8.75e+001	
db;2,4-	94-82-6	2.80e+002				2.56e+003		2.80e+004		2.80e+001	
ddd	72-54-8	3.65e+000	1.26e-002		1.67e+002		5.47e+002		3.65e-001		

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
dde	72-55-9	2.57e+000		8.89e-003		1.18e+002		3.86e+002		2.57e-001	
ddt	50-29-3	2.57e+000	1.75e+001	8.89e-003	6.05e-002	1.18e+002	1.60e+002	3.86e+002	1.75e+003	2.57e-001	1.75e+000
decabromodiphenyl ether	1163-19-5	3.50e+002				3.20e+003					3.50e+001
demeton	8065-48-3	1.40e+000				1.28e+001					1.40e-001
di(2-ethylhexyl)adipate	103-23-1	7.29e+002	2.10e+004			3.33e+004	1.92e+005	1.09e+005	2.10e+006	7.29e+001	2.10e+003
di-butyl phthalate	84-74-2	3.50e+003		7.28e+003		3.20e+004			3.50e+005		3.50e+002
di-n-octyl phthalate	117-84-0	7.00e+002				6.40e+003			7.00e+004		7.00e+001
diallate	2303-16-4	1.43e+001				6.56e+002		2.15e+003		1.43e+000	
diazinon	333-41-5	3.15e+001		7.40e-001		5.48e+000		1.80e+001	3.15e+003	1.20e-002	3.15e+000
dibenzo[a,h]anthracene	53-70-3	1.20e-001									
dibenzofuran	132-64-9										
dibromo-3-chloropropane;1,2-	96-12-8	3.13e-001				2.86e+001		9.38e+001	3.50e+004	3.13e-002	3.50e+001
dibromobenzene;1,4-	106-37-6										
dibromochloromethane	124-48-1	5.21e+000	3.50e+002	5.14e+002	3.46e+004	4.76e+002	6.40e+003	1.56e+003	7.00e+004	5.21e-001	3.50e+001
dibromoethane;1,2-	106-93-4	5.15e-003				4.71e-001		1.54e+000		5.15e-004	
dicamba	1918-00-9	1.05e+003				9.60e+003			1.05e+005		1.05e+002
dichloro-2-butene;1,4-	764-41-0										
dichlorobenzene;1,2-	95-50-1										
dichlorobenzene;1,4-	106-46-7	1.82e+001	1.58e+003	1.21e+002	1.05e+004	1.67e+003	2.88e+004	5.47e+003	3.15e+005	1.82e+000	1.58e+002
dichlorobenzidine;3,3'-	91-94-1	1.94e+000		1.15e+000		8.89e+001		2.92e+002		1.94e-001	
dichlorodifluoromethane	75-71-8										
dichloroethane;1,-	75-34-3	4.81e+000		1.48e+003		4.40e+002		1.44e+003		4.81e-001	
dichloroethane;1,2-	107-06-2	7.29e-001	1.58e+002	4.82e+001	1.04e+004	6.67e+001	2.88e+003	2.19e+002	3.15e+004	7.29e-002	1.58e+001
dichloroethylene;1,-	75-35-4										
dichloroethylene;1,2-,cis	156-59-2	1.75e+002				3.20e+003			3.50e+004		1.75e+001
dichloroethylene;1,2-,trans	156-60-5	3.50e+002				6.40e+003			7.00e+004		3.50e+001
dichloromethane	75-09-2	5.83e+001	1.05e+003	2.40e+004	4.32e+005	5.33e+003	1.92e+004	1.75e+004	2.10e+005	5.83e+000	1.05e+002
dichlorophenol;2,4-	120-83-2	1.05e+002		4.78e+002		9.60e+002			1.05e+004		1.05e+001
dichlorophenoxyacidic acid;2,4-	94-75-7	3.50e+002				3.20e+003			3.50e+004		3.50e+001

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
dichloropropane;1,2-	78-87-5	6.43e+000	5.80e+002	5.80e+002	5.88e+002	1.93e+003	1.05e+004	6.43e-001	1.05e+001		
dichloropropanol;2,3-	616-23-9	2.43e+000	4.71e+002	4.71e+002	2.22e+002	9.60e+002	1.05e+003	2.43e-001	1.05e+001		
dichloropropene;1,3-	542-75-6	3.01e+000	1.02e+003	1.02e+003	1.37e+002	1.60e+002	1.75e+003	3.01e-001	1.75e+001		
dichlorvos	62-73-7	1.75e+001	1.05e+003	1.05e+003	9.60e+003	9.60e+003	1.05e+005	1.05e+002	1.05e+002		
dicofof	115-32-2	1.05e+003	1.05e+003	1.05e+003	9.60e+003	9.60e+003	1.05e+005	1.05e+002	1.05e+002		
dicyclopentadiene	77-73-6	1.75e+000	1.75e+000	1.75e+000	2.50e+000	1.60e+001	1.75e+002	5.47e-003	1.75e+001		
dieldrin	60-57-1	5.47e-002	2.80e+004	2.17e-003	2.50e+000	1.60e+001	1.60e+001	5.47e-003	1.75e+001		
diethyl phthalate	84-66-2	2.80e+004	2.80e+004	7.10e+004	2.56e+005	2.56e+005	2.80e+006	2.80e+003	2.80e+003		
diethyl-p-	311-45-5										
nitrophenylphosphate											
diethylene glycol	111-46-6	7.00e+004	7.00e+004	7.00e+004	6.40e+005	6.40e+005	7.00e+006	7.00e+003	7.00e+003		
diethylene glycol dinitrate	693-21-0										
diethylformamide	617-84-5	3.85e+002	3.85e+002	3.85e+002	3.52e+003	3.52e+003	3.85e+004	3.85e+001	3.85e+001		
diethylstilbestrol	56-53-1	1.86e-004	1.86e-004	1.86e-004	8.51e-003	2.79e-002	2.79e-002	1.86e-005	1.86e-005		
difenzoquat	43222-48-6	2.80e+003	2.80e+003	2.80e+003	2.56e+004	2.56e+004	2.80e+005	2.80e+002	2.80e+002		
diflubenzuron	35367-38-5	7.00e+002	7.00e+002	7.00e+002	6.40e+003	6.40e+003	7.00e+004	7.00e+001	7.00e+001		
difluoroethane;1,1-	75-37-6	2.80e+003	2.80e+003	2.80e+003	2.56e+004	2.56e+004	2.80e+005	2.80e+002	2.80e+002		
diisopropyl	1445-75-6										
methylphosphonate											
dimethipin	55290-64-7	7.00e+002	7.00e+002	7.00e+002	6.40e+003	6.40e+003	7.00e+004	7.00e+001	7.00e+001		
dimethoate	60-51-5	7.00e+000	7.00e+000	7.00e+000	6.40e+001	6.40e+001	7.00e+002	7.00e-001	7.00e-001		
dimethoxybenzidine;3,3'-	119-90-4	6.25e+001	6.25e+001	6.25e+001	2.86e+003	9.37e+003	9.37e+003	6.25e+000	6.25e+000		
dimethyl phthalate	131-11-3	3.50e+004	3.50e+004	1.80e+005	3.20e+005	3.20e+004	3.50e+006	3.50e+003	3.50e+003		
dimethyl terephthalate	120-61-6	3.50e+003	3.50e+003	3.50e+003	3.20e+004	3.20e+004	3.50e+005	3.50e+002	3.50e+002		
dimethylaniline	21436-96-4	1.51e+000	1.51e+000	1.51e+000	6.90e+001	2.26e+002	2.26e+002	1.51e-001	1.51e-001		
hydrochloride;2,4-											
dimethylaniline;2,4-	95-68-1	1.17e+000	1.17e+000	1.17e+000	5.33e+001	1.75e+002	1.75e+002	1.17e-001	1.17e-001		
dimethylaniline;N,N-	121-69-7	1.90e+001	1.90e+001	1.90e+001	8.70e+002	6.40e+002	2.85e+003	1.90e+000	1.90e+000		
dimethylbenzidine;3,3'-	119-93-7	9.51e-002	9.51e-002	9.51e-002	4.35e+000	1.43e+001	1.43e+001	9.51e-003	9.51e-003		
dimethylformamide;N,N-	68-12-2	3.50e+003	3.50e+003	3.50e+003	3.20e+004	3.20e+004	3.50e+005	3.50e+002	3.50e+002		

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
dimethylhydrazine;1,1-dimethylhydrazine;1,2-dimethylphenol;2,4-dimethylphenol;2,6-dimethylphenol;3,4-dinitro-o-cyclohexylphenol;4,6-dinitrobenzene;m-dinitrobenzene;o-dinitrobenzene;p-dinitrophenol;2,4-dinitrotoluene mixture 2,4-/2,6-	57-14-7 540-73-8 105-67-9 576-26-1 95-65-8 131-89-5	3.37e-001				1.54e+001	6.40e+003	5.05e+001	7.00e+004	3.37e-002	7.00e+001
dinitrotoluene;2,4-dinitrotoluene;2,6-dinitrotoluene;2,6-dinoseb	121-14-2 606-20-2 88-85-1	7.00e+001	3.41e+003	6.40e+002	3.20e+002	6.40e+003	3.20e+002	1.19e+004	7.00e+003	7.95e+000	7.00e+000
dioxane;1,4-diphenamid	123-91-1 957-51-7	7.95e+001		9.60e+003	3.64e+003	3.64e+003	9.60e+003	1.19e+004	1.05e+005	7.95e+000	1.05e+002
diphenylamine	122-39-4	1.09e+000	5.40e+003	8.00e+003	8.00e+003	8.00e+003	8.00e+003	1.64e+002	8.75e+004	1.09e-001	8.75e+001
diphenylhydrazine;1,2-diquat	122-66-7 85-00-7	1.09e+000	8.13e+000	7.04e+002	5.00e+001	7.04e+002	7.04e+002	1.64e+002	7.70e+003	1.09e-001	7.70e+000
direct black 38	1937-37-7	1.02e-001		4.65e+000	4.65e+000	4.65e+000	4.65e+000	1.53e+001	1.53e+001	1.02e-002	1.40e-001
direct blue 6	2602-46-2	1.08e-001		4.94e+000	4.94e+000	4.94e+000	4.94e+000	1.62e+001	1.62e+001	1.08e-002	3.50e+001
direct brown 95	16071-86-6	9.41e-002		4.30e+000	4.30e+000	4.30e+000	4.30e+000	1.41e+001	1.41e+001	9.41e-003	7.00e+000
disulfoton	298-04-4	1.40e+000		1.28e+001	1.28e+001	1.28e+001	1.28e+001	1.40e+002	1.40e+002	1.40e-001	1.40e-001
dithiane;1,4-diuron	505-29-3 330-54-1	3.50e+002		3.20e+003	3.20e+003	3.20e+003	3.20e+003	3.50e+004	3.50e+004	3.50e+001	3.50e+001
dodine	2439-10-3	1.40e+002		1.28e+003	1.28e+003	1.28e+003	1.28e+003	1.40e+004	1.40e+004	1.40e+001	1.40e+001
endosulfan	115-29-7	2.10e+002	1.44e+002	1.92e+003	1.92e+003	1.92e+003	1.92e+003	2.10e+004	2.10e+004	2.10e+001	2.10e+001
endothall	145-73-3	7.00e+002		6.40e+003	6.40e+003	6.40e+003	6.40e+003	7.00e+004	7.00e+004	7.00e+001	7.00e+001

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	100 x Groundwater	Non-Carcinogen
endrin	72-20-8	1.05e+001	8.84e+001	4.90e-001	9.60e+001	1.33e+004	1.05e+003	8.84e+000	1.05e+000	1.05e+000	
epichlorohydrin	106-89-8	1.75e+002			1.60e+003		1.75e+004		1.75e+001	1.75e+001	
epoxybutane	106-88-7	1.75e+001			1.60e+002		1.75e+003		1.75e+000	1.75e+000	
ethephon	16672-87-0	1.05e+004			9.60e+004		1.05e+006		1.05e+003	1.05e+003	
ethion	-563-12-2	1.40e+004			1.28e+005		1.40e+006		1.40e+003	1.40e+003	
ethoxyethanol acetate;2-	111-15-9	3.15e+004			2.88e+005		3.15e+006		3.15e+003	3.15e+003	
ethoxyethanol;2-	110-80-5	1.82e+001			8.33e+002		1.82e+000		1.82e+000		
ethyl acetate	141-78-6	8.75e+002			8.00e+003		8.75e+004		8.75e+001	8.75e+001	
ethyl acrylate	140-88-5	3.50e+003			6.40e+004		3.50e+005		3.50e+002	3.50e+002	
ethyl chloride	75-00-3	1.58e+003			2.88e+004		1.58e+005		1.58e+002	1.58e+002	
ethyl	759-94-4	3.50e-001			3.20e+000		3.50e+001		3.50e-002	3.50e-002	
dipropylthiocarbamate;S-	60-29-7	1.75e+003		1.73e+004	3.20e+004		3.50e+005		1.75e+002	1.75e+002	
ethyl ether	109-78-4	1.05e+004			9.60e+004		1.05e+006		1.05e+003	1.05e+003	
ethyl methacrylate	97-63-2	7.00e+002			6.40e+003		7.00e+004		7.00e+001	7.00e+001	
ethyl p-nitrophenyl	2104-64-5	7.00e+004			6.40e+005		7.00e+006		7.00e+001	7.00e+001	
phenylphosphorothioate	107-21-1	4.29e-001			3.92e+001		4.29e-002		4.29e-002		
ethylbenzene	100-41-4	2.80e+000			3.64e+002		2.80e+002		2.80e-001	2.80e-001	
ethylene cyanohydrin	109-78-4	1.05e+005			9.60e+005		1.05e+007		1.05e+004	1.05e+004	
ethylene diamine	107-15-3	2.80e+002			2.56e+003		2.80e+004		2.80e+001	2.80e+001	
ethylene glycol	107-21-1	8.75e+000			8.00e+001		8.75e+002		8.75e-001	8.75e-001	
ethylene oxide	75-21-8	4.55e+002			8.00e+001		4.55e+004		4.55e+001	4.55e+001	
ethylene thiourea	96-45-7	1.40e+003		2.25e+002	1.28e+004		1.40e+005		1.40e+002	1.40e+002	
ethylphthalyl ethylglycolate	84-72-0	1.40e+003		8.64e+003	1.28e+004		1.40e+005		1.40e+002	1.40e+002	
express	101200-48-0	2.10e+003			1.92e+004		2.10e+005		2.10e+002	2.10e+002	
fenamiphos	22224-92-6										
fensulfothion	115-90-2										
fluometuron	2164-17-2										
fluoranthene	206-44-0										
fluorene	86-73-7										
fluorine, soluble fluoride	7782-41-4										

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
fluridone	59756-60-4	2.80e+003				2.56e+004		2.80e+005		2.80e+005	2.80e+002
flurprimidol	56425-91-3	7.00e+002				6.40e+003		7.00e+004		7.00e+004	7.00e+001
flutolanil	66332-96-5	2.10e+003				1.92e+004		2.10e+005		2.10e+005	2.10e+002
fluvalinate	69409-94-5	3.50e+002				3.20e+003		3.50e+004		3.50e+004	3.50e+001
folpet	133-07-3	2.50e+002				1.14e+004		3.75e+004		3.50e+005	3.50e+002
fomesafen	72178-02-0	4.61e+000				2.11e+002		6.91e+002		4.61e-001	
fonfos	944-22-9	7.00e+001				6.40e+002		7.00e+003		7.00e+003	7.00e+000
formaldehyde	50-00-0	1.46e+001				1.33e+003		4.38e+003		7.00e+005	3.50e+002
formic acid	64-18-6	7.00e+004				6.40e+005		7.00e+006		7.00e+006	7.00e+003
fosetyl-al	39148-24-8	1.05e+005				9.60e+005		1.05e+007		1.05e+007	1.05e+004
furan	110-00-9	3.50e+001				3.20e+002		3.50e+003		3.50e+003	3.50e+000
furazolidone	67-45-8	2.30e-001				1.05e+001		3.45e+001		2.30e-002	
furfural	98-01-1	1.05e+002				9.60e+002		1.05e+004		1.05e+004	1.05e+001
furium	531-82-8	1.75e-002				8.00e-001		2.63e+000		1.75e-003	
furfurylcyclo	60568-05-0	2.92e+001				1.33e+003		4.38e+003		2.92e+000	
glufosinate-ammonium	77182-82-2	1.40e+001				1.28e+002		1.40e+003		1.40e+003	1.40e+000
glycidaldehyde	765-34-4	1.40e+001				1.28e+002		1.40e+003		1.40e+003	1.40e+000
glyphosate	1071-83-6	3.50e+003				3.20e+004		3.50e+005		3.50e+005	3.50e+002
haloxyfop-methyl	69806-40-2	1.75e+000				1.60e+001		1.75e+002		1.75e+002	1.75e-001
harmony	79277-27-3	4.55e+002				4.16e+003		4.55e+004		4.55e+004	4.55e+001
heptachlor	76-44-8	1.94e-001		3.22e-003	2.89e-001	8.89e+000		2.92e+001		1.75e+003	1.94e-002
heptachlor epoxide	1024-57-3	9.62e-002		1.59e-003	7.52e-003	4.40e+000		1.44e+001		4.55e+001	9.62e-003
heptane;n-	142-82-5	7.00e+001				6.40e+002		7.00e+003		7.00e+003	7.00e+000
hexabromobenzene	87-82-1	1.41e-004				6.45e-003		2.12e-002		1.41e-005	
hexachloro-p-dioxin, mixture	19408-74-3	5.47e-001		1.17e-002	5.97e-001	2.50e+001		8.20e+001		2.80e+003	2.80e+000
hexachlorobenzene	118-74-1	5.61e+000		3.50e+000	4.66e+002	5.13e+002		1.68e+003		7.00e+002	5.61e-001
hexachlorobutadiene	87-68-3	1.39e-001		1.98e-001		6.35e+000		2.08e+001		1.39e-002	
hexachlorocyclohexane;alpha	319-84-6	4.86e-001		6.92e-001		2.22e+001		7.29e+001		4.86e-002	
hexachlorocyclohexane;beta-	319-85-7										
hexachlorocyclohexane;delta-	319-86-8										

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
hexachlorocyclohexane; technical	608-73-1	4.86e-001				2.22e+001	7.29e+001			4.86e-002	
hexachlorocyclopentadiene	77-47-4	2.45e+002		1.05e+004		2.24e+003	2.45e+004			2.45e+004	2.45e+001
hexachloroethane	67-72-1	6.25e+001		1.33e+002	7.46e+001	3.20e+002	9.37e+003	3.50e+003	6.25e+000	3.50e+000	3.50e+000
hexachlorophene	70-30-4	1.05e+001				9.60e+001		1.05e+003		1.05e+003	1.05e+000
hexamethylene diisocyanate; 1,6-	822-06-0										
hexane;n-	110-54-3	1.05e+003				1.92e+004	2.10e+005	2.10e+005		1.05e+002	
hexazinone	51235-04-2	1.16e+003				1.06e+004	1.16e+005	1.16e+005		1.16e+002	
hydrazine/hydrazine sulfate	302-01-2	1.46e-001				1.33e+001	4.38e+001		1.46e-002		
hydrogen chloride	7647-01-0										
hydrogen cyanide	74-90-8	7.00e+002				6.40e+003	7.00e+004	7.00e+004		7.00e+001	
hydrogen sulfide	7783-06-4	5.25e+001				9.60e+002	1.05e+004	1.05e+004		5.25e+000	
hydroquinone	123-31-9	1.40e+003				1.28e+004	1.40e+005	1.40e+005		1.40e+002	
imazalil	35554-44-0	4.55e+002				4.16e+003	4.55e+004	4.55e+004		4.55e+001	
imazaquin	81335-37-7	8.75e+003				8.00e+004	8.75e+005	8.75e+005		8.75e+002	
indeno[1,2,3-cd]pyrene	193-39-5	1.20e-001				5.48e+000	1.80e+001		1.20e-002		
iprodione	36734-19-7	1.40e+003				1.28e+004	1.40e+005	1.40e+005		1.40e+002	
isobutyl alcohol	78-83-1	1.05e+004				9.60e+004	1.05e+006	1.05e+006		1.05e+003	
isophorone	78-59-1	7.00e+003		2.96e+005		6.40e+004	1.38e+005	7.00e+005	9.21e+001	7.00e+002	
isopropalin	33820-53-0	5.25e+002				4.80e+003		5.25e+004		5.25e+001	
isopropyl methyl phosphonic acid	1832-54-8	3.50e+003				3.20e+004		3.50e+005		3.50e+002	
isoxaben	82558-50-7	1.75e+003				1.60e+004		1.75e+005		1.75e+002	
lactofen	77501-63-4	7.00e+001				6.40e+002		7.00e+003		7.00e+000	
lead	7439-92-1										
lead alkyls	unavailable	3.50e-003				3.20e-002		3.50e-001		3.50e-004	
lindane	58-89-9	1.05e+001		1.50e+001		9.60e+001	1.01e+002	1.05e+003	6.73e-002	1.05e+000	
linuron	330-55-2	7.00e+001				6.40e+002		7.00e+003		7.00e+000	
londax	83055-99-6	7.00e+003				6.40e+004		7.00e+005		7.00e+002	

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen
malathion	121-75-5	7.00e+002				6.40e+003		7.00e+004		7.00e+001	
maleic anhydride	108-31-6	3.50e+003				3.20e+004		3.50e+005		3.50e+002	
maleic hydrazide	123-33-1	1.75e+004				1.60e+005		1.75e+006		1.75e+003	
malononitrile	109-77-3	7.00e-001				6.40e+000		7.00e+001		7.00e-002	
mancozeb	8018-01-7	1.05e+003				9.60e+003		1.05e+005		1.05e+002	
maneb	12427-38-2	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
manganese	7439-96-5a	4.90e+003				4.48e+004		4.90e+005		4.90e+002	
mephofofan	950-10-7	3.15e+000				2.88e+001		3.15e+002		3.15e-001	
mepiquat chloride	24307-26-4	1.05e+003				9.60e+003		1.05e+005		1.05e+002	
mercuric chloride	7487-94-7	1.05e+001				9.60e+001		1.05e+003		1.05e+000	
mercury	7439-97-6	1.05e+001				9.60e+001		1.05e+003		1.05e+000	
merphos	150-50-5	1.05e+000				9.60e+000		1.05e+002		1.05e-001	
merphos oxide	78-48-8	1.05e+000				9.60e+000		1.05e+002		1.05e-001	
metalaxyl	57837-19-1	2.10e+003				1.92e+004		2.10e+005		2.10e+002	
methacrylonitrile	126-98-7	3.50e+000				3.20e+001		3.50e+002		3.50e-001	
methamidophos	10265-92-6	1.75e+000				1.60e+001		1.75e+002		1.75e-001	
methanol	67-56-1	8.75e+003				1.60e+005		1.75e+006		8.75e+002	
methidathion	950-37-8	3.50e+001				3.20e+002		3.50e+003		3.50e+000	
methomyl	16752-77-5	8.75e+002				8.00e+003		8.75e+004		8.75e+001	
methoxy-5-nitroaniline;2-	99-59-2	1.90e+001				8.70e+002		2.85e+003		1.90e+000	
methoxychlor	72-43-5	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
methoxyethanol acetate;2-	110-49-6	7.00e+001				6.40e+002		7.00e+003		7.00e+000	
methoxyethanol;2-	109-86-4	1.40e+002				1.28e+003		1.40e+004		1.40e+001	
methyl acetate	79-20-9	1.75e+004				3.20e+005		3.50e+006		1.75e+003	
methyl acrylate	96-33-3	1.05e+003				9.60e+003		1.05e+005		1.05e+002	
methyl ethyl ketone	78-93-3	1.05e+004				1.92e+005		2.10e+006		1.05e+003	
methyl isobutyl ketone	108-10-1	1.40e+003				2.56e+004		2.80e+005		1.40e+002	
methyl mercury	22967-92-6	3.50e+000				3.20e+001		3.50e+002		3.50e-001	
methyl methacrylate	80-62-6	1.40e+003				2.56e+004		2.80e+005		1.40e+002	
methyl parathion	298-00-0	8.75e+000				8.00e+001		8.75e+002		8.75e-001	

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Non-Carcinogen
methyl styrene	25013-15-4	2.10e+002		2.10e+002		1.92e+003	2.10e+004	2.10e+004	2.10e+001	2.10e+001	
methyl styrene, alpha	98-83-9	2.45e+003		2.45e+003		2.24e+004	2.45e+005	2.45e+005	2.45e+002	2.45e+002	
methyl tert-butyl ether	1634-04-4										
methyl-4-chlorophenoxy-	94-74-6	1.75e+001		1.75e+001		1.60e+002	1.75e+003	1.75e+003	1.75e+000	1.75e+000	
acetic acid;2-											
methyl-5-nitroaniline;2-	99-55-8	2.65e+001		2.65e+001		1.21e+003	3.98e+003	3.98e+003	2.65e+000	2.65e+000	
methylaniline	636-21-5	4.86e+000		4.86e+000		2.22e+002	7.29e+002	7.29e+002	4.86e-001	4.86e-001	
hydrochloride;2-											
methylchloride;2-	95-53-4	3.65e+000		3.65e+000		1.67e+002	5.47e+002	5.47e+002	3.65e-001	3.65e-001	
methylene bis(2-	101-14-4	6.73e+000	2.45e+001	6.73e+000	2.45e+001	3.08e+002	2.24e+002	1.01e+003	2.45e+003	6.73e-001	2.45e+000
chloroaniline);4,4'-											
methylene bis(n,n'-	101-61-1	1.90e+001		1.90e+001		8.70e+002	2.85e+003	2.85e+003	1.90e+000	1.90e+000	
dimethyl)aniline;4,4'-											
methylene bromide	74-95-3	1.75e+002		1.75e+002		3.20e+003	3.50e+004	3.50e+004	1.75e+001	1.75e+001	
methylene diphenyl	101-68-8										
isocyanate											
methylenebisbenzenamine;4,4-	101-77-9					1.60e+002	5.25e+002	5.25e+002			
methylhydrazine	60-34-4	7.95e-001		7.95e-001		3.64e+001	1.19e+002	1.19e+002	7.95e-002	7.95e-002	
metolachlor	51218-45-2	5.25e+003		5.25e+003		4.80e+004	5.25e+005	5.25e+005	5.25e+002	5.25e+002	
metribuzin	21087-64-9	8.75e+002		8.75e+002		8.00e+003	8.75e+004	8.75e+004	8.75e+001	8.75e+001	
mevinphos	7786-34-7	8.75e+000		8.75e+000		8.00e+001	8.75e+002	8.75e+002	8.75e-001	8.75e-001	
mirex	2385-85-5	4.86e-001		4.86e-001		2.22e+001	7.29e+001	7.29e+001	4.86e-002	4.86e-002	
molinate	2212-67-1	7.00e+001		7.00e+001		6.40e+002	7.00e+003	7.00e+003	7.00e+000	7.00e+000	
molybdenum	7439-98-7	1.75e+002		1.75e+002		1.60e+003	1.75e+004	1.75e+004	1.75e+001	1.75e+001	
monochloramine	10599-90-3	3.50e+003		3.50e+003		3.20e+004	3.50e+005	3.50e+005	3.50e+002	3.50e+002	
monochlorobutanes	unavailable	1.40e+004		1.40e+004		1.28e+005	1.40e+006	1.40e+006	1.40e+003	1.40e+003	
naled	300-76-5	7.00e+001		7.00e+001		6.40e+002	7.00e+003	7.00e+003	7.00e+000	7.00e+000	
naphthalene	91-20-3	7.00e+002		7.00e+002		1.28e+004	1.40e+005	1.40e+005	7.00e+001	7.00e+001	
napropamide	15299-99-7	3.50e+003		3.50e+003		3.20e+004	3.50e+005	3.50e+005	3.50e+002	3.50e+002	
nickel subsulfide	12035-72-2										

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen
nickel, refinery dust	unavailable										
nickel, soluble salts	7440-02-0	7.00e+002		2.76e+003		6.40e+003	7.00e+004			7.00e+001	7.00e+001
nitrate	14797-55-8	5.60e+004				5.12e+005	5.60e+006			5.60e+002	5.60e+003
nitric oxide	10102-43-9										
nitrite	14797-65-0	3.50e+003				3.20e+004				3.50e+005	3.50e+002
nitrobenzene	98-95-3	1.75e+001		1.12e+003		1.60e+002				1.75e+003	1.75e+000
nitrofurantoin	67-20-9	2.45e+003				2.24e+004				2.45e+005	2.45e+002
nitrofurazone	59-87-0	5.83e-001				2.67e+001		8.75e+001		5.83e-002	
nitrogen dioxide	10102-44-0										
nitroguanidine	556-88-7	3.50e+003				3.20e+004		1.38e+001		3.50e+005	3.50e+002
nitropropane;2-	79-46-9	4.61e-002				4.21e+000		5.97e+000		4.61e-003	
nitroso-N-	10595-95-6	3.98e-002				1.82e+000				3.98e-003	
methylethylamine;N-											
nitroso-di-n-butylamine;N-	924-16-3	1.62e-001				7.41e+000		2.43e+001		1.62e-002	
nitroso-di-n-propylamine;N-	621-64-7	1.25e-001				5.71e+000		1.88e+001		1.25e-002	
nitroso-n-ethylurea;n-	759-73-9	6.16e-003		2.05e+001		2.82e-001		9.24e-001		6.16e-004	
nitrosodietanolamine;N-	1116-54-7	3.13e-001				1.43e+001		4.69e+001		3.13e-002	
nitrosodimethylamine;N-	55-18-5	5.83e-003				2.67e-001		8.75e-001		5.83e-004	
nitrosodimethylamine;N-	62-75-9	1.72e-002				7.84e-001		2.57e+000		1.72e-003	
nitrosodiphenylamine;N-	86-30-6	1.79e+002		1.22e+002		8.16e+003		2.68e+004		1.79e+001	
nitrosopyrrolidine;N-	930-55-2	4.17e-001		2.43e+002		1.90e+001		6.25e+001		4.17e-002	
nitrotoluenes;o-,m-,p-	1321-12-6	3.50e+002				3.20e+003				3.50e+004	3.50e+001
norflurazon	27314-13-2	1.40e+003				1.28e+004				1.40e+005	1.40e+002
nustar	85509-19-9	2.45e+001				2.24e+002				2.45e+003	2.45e+000
octabromodiphenyl ether	32536-52-0	1.05e+002				9.60e+002				1.05e+004	1.05e+001
octahydro-1,3,5,7-	2691-41-0	1.75e+003				1.60e+004				1.75e+005	1.75e+002
tetranitro-1,3,5,7-											
octamethylpyrophosphoramide	152-16-9	7.00e+001				6.40e+002				7.00e+003	7.00e+000
oryzalin	19044-88-3	1.75e+003				1.60e+004				1.75e+005	1.75e+002
oxadiazon	19666-30-9	1.75e+002				1.60e+003				1.75e+004	1.75e+001

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 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Carcinogen
oxamyl	23135-22-0	8.75e+002				8.00e+003		8.75e+004		8.75e+001	8.75e+001
oxyfluorfen	42874-03-3	1.05e+002				9.60e+002		1.05e+004		1.05e+001	1.05e+001
paclobutrazol	76738-62-0	4.55e+002				4.16e+003		4.55e+004		4.55e+001	4.55e+001
pah	unavailable	1.20e-001				5.48e+000		1.80e+001		1.20e-002	
paraquat	1910-42-5	1.58e+002				1.44e+003		1.58e+004		1.58e+001	1.58e+001
parathion	56-38-2	2.10e+002				1.92e+003		2.10e+004		2.10e+001	2.10e+001
pebulate	1114-71-2	1.75e+003				1.60e+004		1.75e+005		1.75e+002	1.75e+002
pendimethalin	40487-42-1	1.40e+003				1.28e+004		1.40e+005		1.40e+002	1.40e+002
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3	3.80e+001				1.74e+003		5.71e+003		3.80e+000	
pentabromodiphenyl ether	32534-81-9	7.00e+001				6.40e+002		7.00e+003		7.00e+000	7.00e+000
pentachlorobenzene	608-93-5	2.80e+001				2.56e+002		2.80e+003		2.80e+000	2.80e+000
pentachloronitrobenzene	82-68-8	3.37e+000				1.54e+002		5.05e+002		3.37e-001	1.05e+001
pentachlorophenol	87-86-5	7.29e+000		1.23e+002	1.77e+004	3.33e+002		1.09e+003		7.29e-001	1.05e+002
permethrin	52645-53-1	1.75e+003				1.60e+004		1.75e+005		1.75e+002	1.75e+002
perthane	72-56-0	2.65e+003				1.21e+005		3.98e+005		2.65e+002	1.05e+001
phermedipham	13684-63-4	8.75e+003				8.00e+004		8.75e+005		8.75e+002	8.75e+002
phenol	108-95-2	2.10e+004			2.78e+006	1.92e+005		2.10e+006		2.10e+003	2.10e+003
phenylenediamine;m-	108-45-2	2.10e+002				1.92e+003		2.10e+004		2.10e+001	2.10e+001
phenylenediamine;o-	95-54-5	1.86e+001				8.51e+002		2.79e+003		1.86e+000	2.80e-001
phenylmercuric acetate	62-38-4	2.80e+000				2.56e+001		2.80e+002		2.80e-001	2.80e-001
phenylphenol;2-	90-43-7	4.61e+002				2.11e+004		6.91e+004		4.61e+001	7.00e+001
phosmet	732-11-6	7.00e+002				6.40e+003		7.00e+004		7.00e+001	7.00e+001
phosphine	7803-51-2	1.05e+001				9.60e+001		1.05e+003		1.05e+000	1.05e+000
phosphorus	7723-14-0	7.00e-001				6.40e+000		7.00e+001		7.00e-002	7.00e-002
phthalic acid;p-	100-21-0	3.50e+004				3.20e+005		3.50e+006		3.50e+003	3.50e+003
phthalic anhydride	85-44-9	7.00e+004				6.40e+005		7.00e+006		7.00e+003	7.00e+003
picloram	1918-02-1	2.45e+003				2.24e+004		2.45e+005		2.45e+002	2.45e+002
pirimiphos-methyl	29232-93-7	3.50e+002				3.20e+003		3.50e+004		3.50e+001	3.50e+001
polybrominated biphenyls	unavailable	9.83e-002				4.49e+000		1.47e+001		9.83e-003	2.45e-002

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	100 x Groundwater	Non-Carcinogen
polychlorinated biphenyls	1336-36-3	1.14e-001	6.74e-004	5.19e+000	1.60e+004	1.70e+001	1.75e+005	1.14e-002	1.75e+002	1.75e+002	
potassium cyanide	151-50-8	7.00e+003		6.40e+004		7.00e+005		7.00e+002	7.00e+002	7.00e+002	
potassium silver cyanide	506-61-6	3.15e+002		2.67e+002		8.75e+002		5.83e-001	3.15e+004	3.15e+001	
prochloraz	67747-09-5	2.10e+002		1.92e+003		2.10e+004			2.10e+004	2.10e+001	
profluralin	26399-36-0	5.25e+002		4.80e+003		5.25e+004			5.25e+004	5.25e+001	
prometon	1610-18-0	1.40e+002		1.28e+003		1.40e+004			1.40e+004	1.40e+001	
prometryn	7287-19-6	2.62e+003		2.40e+004		2.62e+005			2.62e+005	2.62e+002	
pronamide	23950-58-5	4.55e+002		4.16e+003		4.55e+004			4.55e+004	4.55e+001	
propachlor	1918-16-7	1.75e+002		1.60e+003		1.75e+004			1.75e+004	1.75e+001	
propanil	709-98-8	7.00e+002		6.40e+003		7.00e+004			7.00e+004	7.00e+001	
propargite	2312-35-8	7.00e+001		6.40e+002		7.00e+003			7.00e+003	7.00e+000	
propargyl alcohol	107-19-7	7.00e+002		6.40e+003		7.00e+004			7.00e+004	7.00e+001	
propazine	139-40-2	7.00e+002		6.40e+003		7.00e+004			7.00e+004	7.00e+001	
propham	122-42-9	4.55e+002		4.16e+003		4.55e+004			4.55e+004	4.55e+001	
propiconazole	60207-90-1	3.50e+001		3.20e+002		3.50e+003			3.50e+003	3.50e+000	
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2	7.00e+005		6.40e+006		7.00e+007			7.00e+007	7.00e+004	
propylene glycol	57-55-6	2.45e+004		2.24e+005		2.45e+006			2.45e+006	2.45e+003	
propylene glycol	6423-43-4	2.45e+004		2.24e+005		2.45e+006			2.45e+006	2.45e+003	
dinitrate;1,2-	52125-53-8	2.45e+004		2.24e+005		2.45e+006			2.45e+006	2.45e+003	
propylene glycol monoethyl ether	107-98-2	1.82e+000		1.67e+002		1.82e-001			1.82e-001	1.82e+000	
propylene glycol monomethyl ether	75-56-9	8.75e+003		8.00e+004		8.75e+005			8.75e+005	8.75e+002	
propylene oxide	81335-77-5	8.75e+002		8.00e+003		8.75e+004			8.75e+004	8.75e+001	
pursuit	51630-58-1	1.05e+003		9.60e+003		1.05e+005			1.05e+005	1.05e+002	
pydrin	129-00-0	3.50e+001		3.20e+002		3.50e+003			3.50e+003	3.50e+000	
pyrene	110-86-1	1.75e+001		1.60e+002		1.75e+003			1.75e+003	1.75e+000	
pyridine	13593-03-8										
quinalphos											

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Carcinogen
quinoline	91-22-5	7.29e+002				3.33e+000		1.09e+001		7.29e-003	
rdx	121-82-4	7.95e+000	1.05e+002			3.64e+002	9.60e+002	1.19e+003	1.05e+004	7.95e-001	1.05e+001
refractory ceramic fibers	unavailable										
resmethrin	10453-86-8		1.05e+003				9.60e+003		1.05e+005		1.05e+002
ronnel	299-84-3		1.75e+003				1.60e+004		1.75e+005		1.75e+002
rotenone	83-79-4		1.40e+002				1.28e+003		1.40e+004		1.40e+001
savey	78587-05-0		8.75e+002				8.00e+003		8.75e+004		8.75e+001
selenious acid	7783-00-8		1.75e+002				1.60e+003		1.75e+004		1.75e+001
selenium and compounds	7782-49-2		1.75e+002				1.60e+003		1.75e+004		1.75e+001
selenourea	630-10-4		1.75e+002				1.60e+003		1.75e+004		1.75e+001
sethoxydim	74051-80-2		3.15e+003				2.88e+004		3.15e+005		3.15e+002
silver	7440-22-4		1.75e+002	6.48e+004			1.60e+003		1.75e+004		1.75e+001
silver cyanide	506-64-9		3.50e+003				3.20e+004		3.50e+005		3.50e+002
simazine	122-34-9	7.29e+000	1.75e+002				1.60e+003	1.09e+003	1.75e+004	7.29e-001	1.75e+001
sodium azide	26628-22-8		1.40e+002				1.28e+003		1.40e+004		1.40e+001
sodium cyanide	143-33-9		1.40e+003				1.28e+004		1.40e+005		1.40e+002
sodium	148-18-5	3.24e+000	1.05e+003				9.60e+003	4.86e+002	1.05e+005	3.24e-001	1.05e+002
diethyldithiocarbamate											
sodium fluoroacetate	62-74-8		7.00e-001				6.40e+000		7.00e+001		7.00e-002
sodium metavanadate	13718-26-8		3.50e+001				3.20e+002		3.50e+003		3.50e+000
strontium	7440-24-6		2.10e+004				1.92e+005		2.10e+006		2.10e+003
strychnine	57-24-9		1.05e+001				9.60e+001		1.05e+003		1.05e+000
styrene	100-42-5	1.46e+001	3.50e+003				6.40e+004	4.38e+003	7.00e+005	1.46e+000	3.50e+002
systhane	88671-89-0		8.75e+002				8.00e+003		8.75e+004		8.75e+001
tcdd;2,3,7,8-	1746-01-6	5.83e-006		2.16e-007			2.67e-004			5.83e-007	
tebuthiuron	34014-18-1		2.45e+003				2.24e+004		2.45e+005		2.45e+002
temephos	3383-96-8		7.00e+002				6.40e+003		7.00e+004		7.00e+001
terbacil	5902-51-2		4.55e+002				4.16e+003		4.55e+004		4.55e+001
terbufos	13071-79-9		8.75e-001				8.00e+000		8.75e+001		8.75e-002
terbutryn	886-50-0		3.50e+001				3.20e+002		3.50e+003		3.50e+000

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 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Carcinogen
tetrachlorobenzene;1,2,4,5-	95-94-3	1.05e+001		1.05e+001		9.60e+001		1.05e+003		1.05e+000	
tetrachloroethane;1,1,1,2-	630-20-6	1.68e+001		1.62e+002		1.54e+003		5.05e+003		1.68e+000	
tetrachloroethane;1,1,2,2-	79-34-5	2.19e+000		1.04e+002		2.00e+002		6.56e+002		2.19e-001	
tetrachloroethylene	127-18-4	8.58e+000		1.04e+002		7.84e+002		2.57e+003		8.58e-001	
tetrachlorophenol;2,3,4,6-	58-90-2	1.05e+003				9.60e+003				1.05e+002	
tetrachlorotoluene;p,a,a,a,-	5216-25-1	4.38e-002				2.00e+000		6.56e+000		4.38e-003	
tetrachlorvinphos	961-11-5	3.65e+001				1.67e+003		5.47e+003		1.05e+002	
tetraethyl	3689-24-5	1.75e+001				1.60e+002		1.75e+003		1.75e+000	
dithiopyrophosphate											
tetraethyl lead	78-00-2	3.50e-003				3.20e-002		3.50e-001		3.50e-004	
tetrafluoroethane;1,1,1,2-	811-97-2										
thallic oxide	1314-32-5	2.45e+000				2.24e+001		2.45e+002		2.45e-001	
thallium acetate	563-68-8	3.15e+000				2.88e+001		3.15e+002		3.15e-001	
thallium carbonate	6533-73-9	2.80e+000				2.56e+001		2.80e+002		2.80e-001	
thallium chloride	7791-12-0	2.80e+000				2.56e+001		2.80e+002		2.80e-001	
thallium nitrate	10102-45-1	3.15e+000				2.88e+001		3.15e+002		3.15e-001	
thallium selenite	12039-52-0										
thallium(I) sulfide	7446-18-6	2.80e+000				2.56e+001		2.80e+002		2.80e-001	
thallium, soluble salts	7440-28-0	2.45e+000		3.91e+000		2.24e+001		2.45e+002		2.45e-001	
thiobencarb	28249-77-6	3.50e+002				3.20e+003		3.50e+004		3.50e+001	
thiocyanomethylthiobenzothiazole;2-	21564-17-0	1.05e+003				9.60e+003		1.05e+005		1.05e+002	
thiofanox	39196-18-4	1.05e+001				9.60e+001		1.05e+003		1.05e+000	
thiophanate-methyl	23564-05-8	2.80e+003				2.56e+004		2.80e+005		2.80e+002	
thiram	137-26-8	1.75e+002				1.60e+003		1.75e+004		1.75e+001	
tin	7440-31-5	2.10e+004				1.92e+005		2.10e+006		2.10e+003	
tnt	118-96-7	2.92e+001				1.33e+003		4.38e+003		2.92e+000	
toluene	108-88-3	3.50e+003				6.40e+004		7.00e+005		3.50e+002	
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5			1.21e+005							

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Carcinogen	Carcinogen	Carcinogen	Carcinogen	Carcinogen	Carcinogen	Carcinogen	100 x Groundwater	Carcinogen
toluenediamine;2,4-	95-80-7	2.73e-001	2.10e+004	1.25e+001	4.10e+001	2.10e+006	2.73e-002	2.10e+006	2.10e+006	2.10e+006	2.10e+003
toluenediamine;2,5-	95-70-5	7.00e+003	7.00e+003	1.92e+005	6.91e+002	7.00e+005	4.61e-001	7.00e+005	7.00e+005	7.00e+005	7.00e+002
toluenediamine;2,6-	823-40-5	4.61e+000	1.12e-002	2.11e+002	6.91e+002	6.40e+004	7.95e-002	6.91e+002	6.91e+002	6.91e+002	4.61e-001
toluidine;p-	106-49-0	7.95e-001	2.80e+002	3.64e+001	1.19e+002	3.64e+001	2.80e+004	1.19e+002	1.19e+002	1.19e+002	7.95e-002
toxaphene	8001-35-2	2.80e+002	2.80e+002	3.64e+001	1.19e+002	3.64e+001	2.80e+004	1.19e+002	1.19e+002	1.19e+002	7.95e-002
tp;2,4,5-	93-72-1										
tph	unavailable										
tph, diesel	unavailable										
tph, gasoline	unavailable										
tph, other	unavailable										
tralomethrin	66841-25-6	2.62e+002	2.62e+002	2.40e+003	2.40e+003	2.40e+003	2.62e+004	2.40e+003	2.40e+003	2.40e+003	2.62e+001
triallate	2303-17-5	4.55e+002	4.55e+002	4.16e+003	4.16e+003	4.16e+003	4.55e+004	4.16e+003	4.16e+003	4.16e+003	4.55e+001
triasulfuron	82097-50-5	3.50e+002	3.50e+002	3.20e+003	3.20e+003	3.20e+003	3.50e+004	3.20e+003	3.20e+003	3.20e+003	3.50e+001
tribromobenzene;1,2,4-	615-54-3	1.75e+002	1.75e+002	1.60e+003	1.60e+003	1.60e+003	1.75e+004	1.60e+003	1.60e+003	1.60e+003	1.75e+001
tributyltin oxide	56-35-9	1.05e+000	1.05e+000	9.60e+000	9.60e+000	9.60e+000	1.05e+002	9.60e+000	9.60e+000	9.60e+000	1.05e+001
trichloro-1,2,2-	76-13-1	1.05e+006	1.05e+006	9.60e+006	9.60e+006	9.60e+006	1.05e+008	9.60e+006	9.60e+006	9.60e+006	1.05e+005
trifluoroethane;1,1,2-											
trichloroamine	33663-50-2	3.02e+001	3.02e+001	1.38e+003	4.53e+003	1.38e+003	3.02e+000	4.53e+003	4.53e+003	4.53e+003	3.02e+000
hydrochloride;2,4,6-											
trichloroamine;2,4,6-	634-93-5	2.57e+001	2.57e+001	1.18e+003	3.86e+003	1.18e+003	2.57e+000	3.86e+003	3.86e+003	3.86e+003	2.57e+000
trichlorobenzene;1,2,4-	120-82-1	1.75e+002	1.75e+002	5.69e+002	5.69e+002	5.69e+002	1.75e+001	5.69e+002	5.69e+002	5.69e+002	1.75e+001
trichloroethane;1,1,1-	71-55-6	1.58e+004	1.58e+004	1.04e+006	1.04e+006	1.04e+006	1.58e+003	1.04e+006	1.04e+006	1.04e+006	1.58e+003
trichloroethane;1,1,2-	79-00-5	7.68e+000	7.00e+001	6.32e+002	5.76e+003	7.02e+002	7.68e+000	6.32e+002	5.76e+003	5.76e+003	7.00e+000
trichloroethylene	-79-01-6	3.98e+001	3.98e+001	1.39e+003	1.39e+003	3.64e+003	3.98e+000	1.39e+003	1.39e+003	1.39e+003	3.98e+000
trichlorofluoromethane	75-69-4	5.25e+003	5.25e+003	9.60e+004	9.60e+004	9.60e+004	5.25e+002	9.60e+004	9.60e+004	9.60e+004	5.25e+002
trichlorophenol;2,4,5-	95-95-4	3.50e+003	3.50e+003	3.20e+004	3.20e+004	3.20e+004	3.50e+005	3.20e+004	3.20e+004	3.20e+004	3.50e+002
trichlorophenol;2,4,6-	88-06-2	7.95e+001	7.95e+001	3.64e+003	3.64e+003	3.64e+003	7.95e+000	3.64e+003	3.64e+003	3.64e+003	7.95e+000
trichlorophenoxyacetic acid;2,4,5-	93-76-5	3.50e+002	3.50e+002	3.20e+003	3.20e+003	3.20e+003	3.50e+004	3.20e+003	3.20e+003	3.20e+003	3.50e+001
trichloropropane;1,1,2-	598-77-6	8.75e+001	8.75e+001	1.60e+003	1.60e+003	1.60e+003	8.75e+004	1.60e+003	1.60e+003	1.60e+003	8.75e+000

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Model Toxics Control Act
 Method C Formula Values
 Data updated: 2/28/96

Chemical Name	CAS Number	Ground Water, (ug/L)		Surface Water, (ug/L)		Commercial Soil (mg/kg)		Industrial Soil (mg/kg)		Soil (mg/kg)	
		Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	Non-Carcinogen	100 x Groundwater	Carcinogen
trichloropropane; 1,2,3-	96-18-4	6.25e-002	1.05e+002	6.25e+003	1.92e+003	5.71e+000	1.05e+000	1.88e+001	2.10e+004	6.25e-003	1.05e+001
trichloropropene; 1,2,3-	96-19-5		1.75e+002		1.60e+003		1.60e+003		1.75e+004		1.75e+001
tridiphane	58138-08-2		1.05e+002		9.60e+002		9.60e+002		1.05e+004		1.05e+001
triethylamine	121-44-8										
trifluralin	1582-09-8	1.14e+002	2.62e+002			5.19e+003	2.40e+003	1.70e+004	2.62e+004	1.14e+001	2.62e+001
trimethyl phosphate	512-56-1	2.36e+001				1.08e+003		3.55e+003		2.36e+000	
trinitrobenzene; 1,3,5-	99-35-4		1.75e+000		1.60e+001		1.60e+001		1.75e+002		1.75e-001
trinitrophenylmethylnitramin	479-45-8		3.50e+002		3.20e+003		3.20e+003		3.50e+004		3.50e+001
uranium, soluble salts	unavailable										
vanadium	7440-62-2		1.05e+002		9.60e+002		9.60e+002		1.05e+004		1.05e+001
vanadium pentoxide	1314-62-1		2.45e+002		2.24e+003		2.24e+003		2.45e+004		2.45e+001
vanadyl sulfate	27774-13-6		3.15e+002		2.88e+003		2.88e+003		3.15e+004		3.15e+001
vernam	1929-77-7		7.00e+002		6.40e+003		6.40e+003		7.00e+004		7.00e+001
vinclozolin	50471-44-8		3.50e+001		3.20e+002		3.20e+002		3.50e+003		3.50e+000
vinyl acetate	108-05-4		8.75e+002		8.00e+003		8.00e+003		8.75e+004		8.75e+001
vinyl chloride	75-01-4	2.30e-001	1.75e+004		3.20e+005		3.20e+005	6.91e+001	3.50e+006	2.30e-002	1.75e+003
warfarin	81-81-2		1.05e+001		9.60e+001		9.60e+001		1.05e+003		1.05e+000
xylene	1330-20-7		3.50e+004		6.40e+005		6.40e+005		7.00e+006		3.50e+003
xylene;m-	108-38-3		3.50e+004		6.40e+005		6.40e+005		7.00e+006		3.50e+003
xylene;o-	95-47-6		3.50e+004		6.40e+005		6.40e+005		7.00e+006		3.50e+003
zinc	7440-66-6		1.05e+004		9.60e+004		9.60e+004		1.05e+006		1.05e+003
zinc cyanide	557-21-1		1.75e+003		1.60e+004		1.60e+004		1.75e+005		1.75e+002
zinc phosphide	1314-84-7		1.05e+001		9.60e+001		9.60e+001		1.05e+003		1.05e+000
zineb	12122-67-7		1.75e+003		1.60e+004		1.60e+004		1.75e+005		1.75e+002

AR 033890

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Reference	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	EPA Carcinogen Classification	Reference
acenaphthene	83-32-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
acephate	30560-19-1	.0087	110/93;10/95		H95a;NI10/95	C	110/93;10/95
acetaldehyde	75-07-0		H95a;NI10/95		H95a;NI10/95	B2	11/91;10/95
acetochlor	34256-82-1		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
acetone	67-64-1		H95a;NI10/95		H95a;NI10/95	D	112/90;10/95
acetone cyanohydrin	75-86-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
acetonitrile	75-05-8		H95a;NI10/95		H95a;NI10/95	D	H95a;NI10/95
acetophenone	98-86-2		H95a;NI10/95		H95a;NI10/95		12/91;10/95
acifluorfen, sodium	62476-59-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
acrolein	107-02-8		H95a;NI10/95		H95a;NI10/95	C	12/94;10/95
acrylamide	79-06-1	4.5000	17/93;10/95	4.5000	H95a;NI10/95	B2	17/93;10/95
acrylic acid	79-10-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
acrylonitrile	107-13-1	.5400	11/91;10/95	.2400	H95a;NI10/95	B1	11/91;10/95
alachlor	15972-60-8	.0810	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
alar	1596-84-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
aldicarb	116-06-3		H91a;110/95		H95a;NI10/95	D	13/91;10/95
aldicarb sulfone	1646-88-4		H95a;110/95		H95a;NI10/95		H95a;NI10/95
aldrin	309-00-2	17.0000	17/93;10/95	17.0000	H95a;NI10/95	B2	17/93;10/95
allyl	74223-64-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
allyl alcohol	107-18-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
allyl chloride	107-05-1		H95a;NI10/95		H95a;NI10/95	C	18/94;10/95
aluminum phosphide	20859-73-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
amdro	67485-29-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ametryn	834-12-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
aminophenol;m-	591-27-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
aminopyridine;4-	504-24-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
amitraz	33089-61-1		H95a;NI10/95		H95a;NI10/95	D	17/93;10/95
ammonia	7664-41-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ammonium sulfamate	7773-06-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
aniline	62-53-3	.0057	12/94;10/95		H95a;NI10/95	B2	12/94;10/95
anthracene	120-12-7		H95a;NI10/95		H95a;NI10/95	D	11/91;10/95
antimony pentoxide	1314-60-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95

Cancer Potency Factor Information

Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Respiratory Cancer Potency Factor (kg*day/mg)	EPA Carcinogen Classification	Reference
antimony potassium tartrate	28300-74-5				H95a;NI10/95
antimony tetroxide	1332-81-6				H95a;NI10/95
antimony trioxide	1309-64-4				H95a;NI10/95
apollto	74115-24-5			C	H95a;NI10/95
aramite	140-57-8	.0250	.0250	B2	H95a;NI10/95
aroclor 1016	12674-11-2				H95a;NI10/95
aroclor 1254	11097-69-1				H95a;NI10/95
arsenic, inorganic	7440-38-2	1.5000	50.0000	A	H95a;NI10/95
arsine	7784-42-1				H95a;NI10/95
asbestos	1332-21-4			A	H95a;NI10/95
assure	76578-14-8			D	H95a;NI10/95
asulam	3337-71-1				H95a;NI10/95
atrazine	1912-24-9	.2200		C	H95a;R17/94
avermectin B1	65195-55-3				H95a;NI10/95
azobenzene	103-33-3	.1100	.1100	B2	H95a;NI10/95
barium	7440-39-3				H95a;NI10/95
barium cyanide	542-62-1				H95a;NI10/95
baygon	114-26-1				H95a;NI10/95
bayleton	43121-43-3				H95a;NI10/95
baythroid	68359-37-5				H95a;NI10/95
benefin	1861-40-1				H95a;NI10/95
benomyl	17804-35-2				H95a;NI10/95
bentazon	25057-89-0				H95a;NI10/95
benzaldehyde	100-52-7				H95a;NI10/95
benzene	71-43-2	.0290	.0290	A	12/94;10/94
benzenethiol	108-98-5				
benzidine	92-87-5	230.0000	230.0000	A	18/92;10/95
benzo[a]anthracene	56-55-3	7.3000		B2	RX7/92;3/93
benzo[a]pyrene	50-32-8	7.3000	6.1000	B2	11/94;10/95
benzo[b]fluoranthene	205-99-2	7.3000		B2	RX7/92;3/93
benzo[k]fluoranthene	207-08-9	7.3000		B2	RX7/92;3/93
benzoic acid	65-85-0			D	H95a;NI10/95
benzotrichloride	98-07-7	13.0000		B2	17/93;10/95

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Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer		Respiratory		EPA		
	Cas Number	Potency Factor (kg*day/mg)	Potency Factor (kg*day/mg)	Reference	Reference	Classification	Reference
benzyl alcohol	100-51-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
benzyl chloride	100-44-7	.1700		18/94;10/95	H95a;NI10/95	B2	18/94;10/95
beryllium	7440-41-7	4.3000	8.4000	19/92;10/95	H95a;NI10/95	B2	19/92;10/95
beta-chloronaphthalene	91-58-7			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
bidrin	141-66-2			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
biphenethrin	82657-04-3			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
biphenyl;1,1-	92-52-4			H95a;NI10/95	H95a;NI10/95	D	13/91;10/95
bis(2-chloro-1-methyl-ethyl)ether	108-60-1	.0700	.0350	H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
bis(2-chloroethyl)ether	111-44-4	1.1000	1.1000	12/94;10/95	H95a;NI10/95	B2	12/94;10/95
bis(2-chloroisopropyl) ether	39638-32-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
bis(2-ethylhexyl) phthalate	117-81-7	.0140		12/93;10/95	H95a;NI10/95	B2	12/93;10/95
bis(chloromethyl)ether	542-88-1	220.0000	220.0000	11/91;10/95	H95a;NI10/95	A	11/91;10/95
bisphenol a	80-05-7			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
boron	7440-42-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
bromodichloromethane	75-27-4	.0620		13/93;10/95	H95a;NI10/95	B2	13/93;10/95
bromoethene	593-60-2		.1100	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
bromoform	75-25-2	.0079	.0039	11/91;10/95	H95a;NI10/95	B2	11/91;10/95
bromomethane	74-83-9			H91a;NI10/95	H95a;NI10/95	D	18/90;10/95
bromophos	2104-96-3			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
bromoxynil	1689-84-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
bromoxynil octanoate	1689-99-2			H91a;NI10/95	H91a;NI10/95		H91a;NI10/95
butadiene;1,3-	106-99-0		1.8000	H91a;NI10/95	H95a;NI10/95	B2	12/91;10/95
butanol;n-	71-36-3			H91a;NI10/95	H95a;NI10/95	D	13/91;110/95
butyl benzyl phthalate	85-68-7			H95a;NI10/95	H95a;NI10/95	C	12/93;10/95
butylate	2008-41-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
butylphthalyl butylglycolate	85-70-1			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
butyric acid;4-(2-methyl-4-chlorophenoxy)-	94-81-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cacodylic acid	75-60-5			H95a;NI10/95	H95a;NI10/95	D	17/93;10/95
cadmium in soil (ignore water values for Metho	7440-43-9a		6.1000	H94a;NI10/95	H91a;NI10/95	B1	16/92;10/95
cadmium in water (ignore soil values for Metho	7440-43-9		6.1000	H95a;NI10/95	H91a;NI10/95	B1	16/92;10/95
calcium cyanide	592-01-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
caprolactam	105-60-2			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
captafol	2425-06-1	.0086		H95a;P12/91	H95a;NI10/95	C	H95a;NI10/95

AR 033893

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Reference	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	EPA Carcinogen Classification	Reference
captan	133-06-2	.0035	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
carbaryl	63-25-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
carbazole	86-74-8	.0200	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
carbofuran	1563-66-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
carbon disulfide	75-15-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
carbon tetrachloride	56-23-5	.1300	110/92;10/95	.0530	H95a;NI10/95	B2	110/92;10/95
carbophenothion	786-19-6						
carbosulfan	55285-14-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
carboxin	5234-68-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloral	75-87-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloramben	133-90-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloranil	118-75-2	.4030	H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
chloridane	57-74-9	1.3000	17/93;10/95	1.3000	H95a;NI10/95	B2	17/93;10/95
chlorimuron-ethyl	90982-32-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chlorine	7782-50-5		IR6/94;10/95		IR6/94;10/95		16/94;10/95
chlorine cyanide	506-77-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chlorine dioxide	10049-04-4		H95a;NI10/95		H95a;NI10/95	D	111/95;12/95
chlorite	7758-19-2		H95a;NI01/96		H95a;NI01/96	D	111/95;01/96
chloro-1,3-butadiene;2-	126-99-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloro-2-methylaniline hydrochloride;4-	3165-93-3	.4600	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
chloro-2-methylaniline;4-	95-69-2	.5800	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
chloroacetic acid	79-11-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloroacetophenone;2-	532-27-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloroaniline;p-	106-47-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chlorobenzene	108-90-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chlorobenzilate	510-15-6	.2700	H95a;NI10/95	.2700	H95a;NI10/95	D	13/91;10/95
chlorobenzoic acid;p-	74-11-3		H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
chlorobenzotrifluoride;4-	98-56-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chlorobutane;1-	109-69-3		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
chloroform	67-66-3	.0061	17/92;10/95	.0810	H95a;NI10/95	B2	17/92;10/95
chloromethane	74-87-3	.0130	H95a;R17/94	.0063	H95a;NI10/95	C	17/92;10/95
chloromethyl methyl ether	107-30-2		H95a;NI10/95		H95a;NI10/95	A	17/93;10/95
chloronitrobenzene;o-	88-73-3	.0250	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95

AR 033894

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer Potency Factor		Respiratory Cancer Potency Factor (kg*day/mg)	EPA Carcinogen Classification		Reference
	Cas Number	(kg*day/mg)		Reference	Reference	
chloronitrobenzene;p-	100-00-5	.0180	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
chlorophenol;2-	95-57-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chlorophenyl methyl sulfide;p-	123-09-1		H95a;NI10/95	H95a;NI10/95	D	17/93;10/95
chlorophenyl methyl sulfone;p-	98-57-1		H95a;NI10/95	H95a;NI10/95	D	17/93;10/95
chlorophenyl methyl sulfoxide;p-	934-73-6		H95a;NI10/95	H95a;NI10/95	D	17/93;10/95
chloropropane;2-	75-29-6		H95a;NI10/95	H91a;NI10/95		H95a;NI10/95
chlorothalonil	1897-45-6	.0110	H95a;NI10/95	H91a;NI10/95	B2	H95a;NI10/95
chlorotoluene;o-	95-49-8		H95a;NI10/95	H91a;NI10/95		H95a;NI10/95
chlorpropam	101-21-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chlorpyrifos	2921-88-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chlorpyrifos-methyl	5598-13-0		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chlorsulfuron	64902-72-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chlorthiophos	21923-23-9		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chromium (total)	7440-47-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chromium(III)	16065-83-1		H93a;R17/94	H95a;NI10/95		H95a;NI10/95
chromium(VI)	18540-29-9		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
chrysene	218-01-9	7.3000	RX7/92;NI10/95	41.0000	A	13/91;10/95
copper	7440-50-8		H95a;NI10/95	H95a;NI10/95	B2	13/94;10/95
copper cyanide	544-92-3		H95a;NI10/95	H95a;NI10/95	D	18/91;10/95
creosote	8001-58-9		H95a;NI10/95	H95a;NI10/95	B1	H95a;NI10/95
resol;m-	108-39-4		H95a;NI10/95	H95a;NI10/95	C	19/88;10/95
resol;o-	95-48-7		H95a;NI10/95	H95a;NI10/95	C	18/91;10/95
resol;p-	106-44-5		H95a;NI10/95	H95a;NI10/95	C	18/91;10/95
crotonaldehyde	123-73-9	1.9000	H95a;NI10/95	H95a;NI10/95	C	18/91;10/95
cumene	98-82-8		H95a;NI10/95	H95a;NI10/95	C	16/91;10/95
cyanazine	21725-46-2	.8400	H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
cyanide	57-12-5		H95a;NI10/95	H95a;NI10/95	D	13/91;10/95
cyanogen	460-19-5		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cyanogen bromide	506-68-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cyclohexanone	108-94-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cyclohexylamine	108-91-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cyclopentadiene	542-92-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
cyhalothrin/karate	68085-85-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

AR 033895

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer Potency Factor		Respiratory Cancer Potency Factor		EPA Carcinogen Classification	Reference
	Cas Number (kg*day/mg)	Reference	(kg*day/mg)	Reference		
cypermethrin	52315-07-8	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
cyromazine	66215-27-8	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
dacthal	1861-32-1	H91a;I10/95		H91a;I10/95	B2	H91a;I10/95
dalapon, sodium salt	75-99-0	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
danitol	39515-41-8	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
db;2,4-	94-82-6	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
ddd	72-54-8	.2400		H95a;NI10/95	B2	18/88;10/95
dde	72-55-9	.3400		H95a;NI10/95	B2	18/88;10/95
ddd	50-29-3	.3400	.3400	H95a;NI10/95	B2	15/91;10/95
decabromodiphenyl ether	1163-19-5	H95a;NI10/95		H95a;NI10/95	C	11/90;10/95
demeton	8065-48-3	H95a;NI10/95		H95a;NI10/95	C	11/90;10/95
di(2-ethylhexyl)adipate	103-23-1	.0012		112/94;10/95	C	112/94;10/95
di-butyl phthalate	84-74-2	H95a;NI10/95		H95a;NI10/95	D	12/93;10/95
di-n-octyl phthalate	117-84-0	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
diallate	2303-16-4	.0610		H95a;NI10/95	B2	H95a;NI10/95
diazinon	333-41-5	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
dibenzo[a,h]anthracene	53-70-3	7.3000		RX7/92;3/93	B2	H95a;NI10/95
dibenzofuran	132-64-9	H95a;NI10/95		H95a;NI10/95	D	13/94;10/95
1,2-dibromo-3-chloropropane	96-12-8	1.4000		H95a;NI10/95	B2	110/90;7/94
1,4-dibromobenzene	106-37-6	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
1,2-dibromochloromethane	124-48-1	.0840		H95a;NI10/95	C	11/92;10/95
1,2-dibromoethane	106-93-4	85.0000		11/91;10/95	B2	11/91;10/95
dicamba	1918-00-9	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
1,4-dichloro-2-butene	764-41-0	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
1,2-dichlorobenzene	95-50-1	H95a;NI10/95		H95a;NI10/95	D	12/91;10/95
1,4-dichlorobenzene	106-46-7	.0240		H93a;NI1/94	B2	H91a;NI10/95
1,3,5-trichlorobenzidine	91-94-1	.4500		17/93;10/95	B2	17/93;10/95
1,2-dichlorodifluoromethane	75-71-8	H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
1,1-dichloroethane	75-34-3					
1,2-dichloroethane	107-06-2	.0910		17/93;10/95	B2	17/93;10/95
1,1-dichloroethylene	75-35-4	.6000		12/91;10/95	C	12/91;10/95
cis-1,2-dichloroethylene	156-59-2	H95a;NI10/95		H95a;NI10/95	D	12/95;10/95
trans-1,2-dichloroethylene	156-60-5	H95a;NI10/95		H95a;NI10/95	D	H95a;NI10/95

AR 033896

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer		Respiratory		EPA Carcinogen Classification	Reference
	Cas Number	Potency Factor (kg*day/mg)	Potency Factor (kg*day/mg)	Potency Factor (kg*day/mg)		
dichloromethane	75-09-2	.0075	12/95;10/95		B2	H91a;7/94 12/95;10/95
dichlorophenol;2,4-	120-83-2		H95a;NI10/95			H95a;NI10/95
dichlorophenoxyacetic acid;2,4-	94-75-7		H95a;NI10/95			H95a;NI10/95
dichloropropane;1,2-	78-87-5	.0680	H95a;NI10/95		B2	H95a;NI10/95
dichloropropanol;2,3-	616-23-9		H95a;NI10/95			H95a;NI10/95
dichloropropene;1,3-	542-75-6	.1800	H95a;NI10/95	.1300	B2	H95a;NI10/95
dichlorvos	62-73-7	.2910	16/95;10/95		B2	H95a;NI10/95
dicolol	115-32-2		NI7/93;10/95			H93a;10/95
dicyclopentadiene	77-73-6		H95a;NI10/95			H95a;NI10/95
dieldrin	60-57-1	16.0000	17/93;10/95	16.0000	B2	H95a;NI10/95
diethyl phthalate	84-66-2		H95a;NI10/95			H95a;NI10/95
diethyl-p-nitrophenylphosphate	311-45-5		H95a;NI10/95		D	12/93;10/95
diethylene glycol	111-46-6		H95a;NI10/95		D	17/93;10/95
diethylene glycol dinitrate	693-21-0		H95a;NI10/95		D	H95a;NI10/95
diethylformamide	617-84-5		H95a;NI10/95		D	17/93;10/95
diethylstilbesterol	56-53-1	4700.0000	H95a;NI10/95	490.0000	A	H95a;NI10/95
difenzoquat	43222-48-6		H95a;NI10/95			H95a;NI10/95
diflubenzuron	35367-38-5		H95a;NI10/95			H95a;NI10/95
difluoroethane;1,1-	75-37-6		H94a;NI10/95			H94a;NI10/95
diisopropyl methylphosphonate	1445-75-6		H95a;NI10/95		D	H95a;NI10/95
dimethipin	55290-64-7		H95a;NI10/95		C	110/93;10/95
dimethoate	60-51-5		H95a;NI10/95			H95a;NI10/95
dimethoxybenzidine;3,3'-	119-90-4	.0140	H95a;NI10/95		B2	H95a;NI10/95
dimethyl phthalate	131-11-3		H95a;NI10/95		D	12/93;10/95
dimethyl terephthalate	120-61-6		H95a;NI10/95			H95a;NI10/95
dimethylaniline hydrochloride;2,4-	21436-96-4	.5800	H95a;NI10/95		C	H95a;NI10/95
dimethylaniline;2,4-	95-68-1	.7500	H95a;NI10/95		C	H95a;NI10/95
dimethylaniline;N,N-	121-69-7	.0460	H91a;NI10/95		B2	H91a;NI10/95
dimethylbenzidine;3,3'-	119-93-7	9.2000	H95a;NI10/95		B2	H95a;NI10/95
dimethylformamide;N,N-	68-12-2		H95a;NI10/95			H95a;NI10/95
dimethylhydrazine;1,1-	57-14-7	2.6000	H93a;NI10/95	3.5000	B2	H93a;NI10/95
dimethylhydrazine;1,2-	540-73-8		H95a;NI10/95		B2	H95a;NI10/95
dimethylphenol;2,4-	105-67-9		H95a;NI10/95			H95a;NI10/95

AR 033897

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer		Respiratory		EPA	
		Potency Factor (kg*day/mg)	Reference	Potency Factor (kg*day/mg)	Reference	Classification	Reference
dimethylphenol;2,6-	576-26-1		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dimethylphenol;3,4-	95-65-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dinitro-o-cyclohexyl phenol;4,6-	131-89-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dinitrobenzene;m-	99-65-0		H95a;NI10/95		H95a;NI10/95	D	12/93;10/95
dinitrobenzene;o-	528-29-0		H95a;NI10/95		H95a;NI10/95	D	17/93;10/95
dinitrobenzene;p-	100-25-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dinitrophenol;2,4-	51-28-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dinitrotoluene mixture 2,4-/2,6-	unavailable01	.6800	19/90;10/95		H95a;NI10/95	B2	19/90;10/95
dinitrotoluene;2,4-	121-14-2		EOTS4/93;4/93		H95a;NI10/95	B2	19/90;10/95
dinitrotoluene;2,6-	606-20-2		EOTS4/93;4/93		H95a;NI10/95	B2	19/90;10/95
dinoseb	88-85-1		H95a;NI10/95		H95a;NI10/95	D	17/93;10/95
dioxane;1,4-	123-91-1	.0110	19/90;10/95		H95a;NI10/95	B2	19/90;10/95
diphenamid	957-51-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
diphenylamine	122-39-4		H91a;RI7/94		H95a;NI10/95		H95a;NI10/95
diphenylhydrazine;1,2-	122-66-7	.8000	11/91;10/95	.8000	H95a;NI10/95	B2	11/91;10/95
diquat	85-00-7		H95a;RI10/95		H95a;NI10/95		H95a;RI10/95
direct black 38	1937-37-7	8.6000	H95a;NI10/95		H95a;NI10/95	A	H95a;NI10/95
direct blue 6	2602-46-2	8.1000	H95a;NI10/95		H95a;NI10/95	A	H95a;NI10/95
direct brown 95	16071-86-6	9.3000	H95a;NI10/95		H95a;NI10/95	A	H95a;NI10/95
disulfoton	298-04-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dithiane;1,4-	505-29-3		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
diuron	330-54-1		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
dodine	2439-10-3		H95a;NI10/95		H95a;NI10/95	D	12/93;10/95
endosulfan	115-29-7		H93a;RI7/94		H95a;NI10/95		H95a;NI10/95
endothall	145-73-3		H93a;RI7/94		H95a;NI10/95		H95a;NI10/95
endrin	72-20-8		H93a;RI7/94		H95a;NI10/95	D	17/93;10/95
epichlorohydrin	106-89-8	.0099	12/94;10/95	.0042	H95a;NI10/95	B2	12/94;10/95
epoxybutane	106-88-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ethephon	16672-87-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ethion	563-12-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ethoxyethanol acetate;2-	111-15-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ethoxyethanol;2-	110-80-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
ethyl acetate	141-78-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95

AR 033898

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer		Respiratory		EPA Carcinogen Classification	Reference
	Cas Number (kg*day/mg)	Potency Factor	Reference	Potency Factor (kg*day/mg)		
ethyl acrylate	140-88-5	.0480	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
ethyl chloride	75-00-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethyl dipropylthiocarbamate;S-	759-94-4		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethyl ether	60-29-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethyl methacrylate	97-63-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethyl p-nitrophenyl phenylphosphorothioate	2104-64-5		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethylbenzene	100-41-4		H95a;NI10/95	H95a;NI10/95	D	18/91;10/95
ethylene cyanohydrin	109-78-4		H95a;NI10/95	H95a;NI10/95	D	H95a;NI10/95
ethylene diamine	107-15-3		H95a;NI10/95	H95a;NI10/95		17/93;10/95
ethylene glycol	107-21-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
ethylene oxide	75-21-8	1.0200	H95a;NI10/96	H95a;NI10/96	B1	H95a;NI10/95
ethylene thiourea	96-45-7	.1100	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
ethylphthalyl ethylglycolate	84-72-0		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
express	101200-48-0		H95a;RI10/95	H95a;RI10/95		H95a;RI10/95
fenamiphos	22224-92-6		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
fensulfothion	115-90-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
fluometuron	2164-17-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
fluoranthene	206-44-0		H95a;NI10/95	H95a;NI10/95	D	112/90;10/95
fluorene	86-73-7		H95a;NI10/95	H95a;NI10/95	D	112/90;10/95
fluorine, soluble fluoride	7782-41-4		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
fluridone	59756-60-4		H95a;RI10/95	H95a;RI10/95		H95a;RI10/95
flurprimidol	56425-91-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
flutolanil	66332-96-5		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
fluvalinate	69409-94-5		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
folpet	133-07-3	.0035	110/93;10/95	H95a;NI10/95	B2	110/93;10/95
fomesafen	72178-02-0	.1900	110/93;10/95	H95a;NI10/95	C	110/93;10/95
fonfos	944-22-9	.0300	H95a;NI10/95	H95a;NI10/95	B1	H95a;NI10/95
formaldehyde	50-00-0		H91a;NI10/95	H95a;NI10/95		19/90;10/95
formic acid	64-18-6		H95a;RI10/95	H95a;NI10/95	C	H95a;NI10/95
fosetyl-al	39148-24-8		H95a;NI10/95	H95a;NI10/95		17/94;10/95
furan	110-00-9		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
furazolidone	67-45-8	3.8000	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
furfural	98-01-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

AR 033899

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer		Respiratory		EPA	
	Cas Number	Potency Factor (kg*day/mg)	Potency Factor (kg*day/mg)	Reference	Reference	Classification
furium	531-82-8	50.0000	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
furmecycloz	60568-05-0	.0300	I10/93;10/95	H95a;NI10/95	B2	I10/93;10/95
glufosinate-ammonium	77182-82-2		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
glycidaldehyde	765-34-4		H95a;NI10/95	H95a;NI10/95	B2	I7/93;10/95
glyphosate	1071-83-6		H95a;NI10/95	H95a;NI10/95	D	I10/93;10/95
haloxyfop-methyl	69806-40-2		H95a;RI10/95	H95a;RI10/95		H95a;RI10/95
harmony	79277-27-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
heptachlor	76-44-8	4.5000	I7/93;10/95	H95a;NI10/95	B2	I7/93;10/95
heptachlor epoxide	1024-57-3	9.1000	I7/93;10/95	H95a;NI10/95	B2	I7/93;10/95
heptane;n-	142-82-5		H95a;NI10/95	H95a;NI10/95	D	I7/93;10/95
hexabromobenzene	87-82-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hexachloro-p-dioxin, mixture	19408-74-3	6200.0000	I3/91;10/95	H95a;NI10/95	B2	I3/91;10/95
hexachlorobenzene	118-74-1	1.6000	I2/94;10/95	H95a;NI10/95	B2	I2/94;10/95
hexachlorobutadiene	87-68-3	.0780	I4/91;10/95	H95a;NI10/95	C	I4/91;10/95
hexachlorocyclohexane;alpha	319-84-6	6.3000	I7/93;10/95	H95a;NI10/95	B2	I7/93;10/95
hexachlorocyclohexane;beta-	319-85-7	1.8000	I7/93;10/95	H95a;NI10/95	C	I7/93;10/95
hexachlorocyclohexane;delta-	319-86-8		I7/93;10/95	H95a;NI10/95	D	I7/93;10/95
hexachlorocyclohexane;technical	608-73-1	1.8000	I7/93;10/95	H95a;NI10/95	B2	I7/93;10/95
hexachlorocyclopentadiene	77-47-4		H95a;NI10/95	H95a;NI10/95	D	I9/90;10/95
hexachloroethane	67-72-1	.0140	I2/94;10/95	H95a;NI10/95	C	I2/94;10/95
hexachlorophene	70-30-4		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hexamethylene diisocyanate;1,6-	822-06-0		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hexane;n-	110-54-3		H95a;NI10/95	H95a;NI10/95	D	I7/93;10/95
hexazinone	51235-04-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hydrazine/hydrazine sulfate	302-01-2	3.0000	I4/91;10/95	H95a;NI10/95	B2	I4/91;10/95
hydrogen chloride	7647-01-0		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hydrogen cyanide	74-90-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hydrogen sulfide	7783-06-4		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
hydroquinone	123-31-9		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
imezalit	35554-44-0		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
imezaquin	81335-37-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
indeno[1,2,3-cd]pyrene	193-39-5	7.3000	RX7/92;3/93	H95a;NI10/95	B2	I3/94;10/95
iprodione	36734-19-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

AR 033900

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer		Respiratory		EPA Carcinogen Classification	Reference
		Potency Factor (kg*day/mg)	Reference	Potency Factor (kg*day/mg)	Reference		
isobutyl alcohol	78-83-1		H95a;N110/95		H95a;N110/95		H95a;N110/95
isophorone	78-59-1	.0010	I11/92;10/95		H95a;N110/95	C	I11/92;10/95
isopropalin	33820-53-0		H95a;N110/95		H95a;N110/95		H95a;N110/95
isopropyl methyl phosphonic acid	1832-54-8		H95a;N110/95		H95a;N110/95	D	I2/93;10/95
isoxaben	82558-50-7		H95a;N110/95		H95a;N110/95	C	I10/93;10/95
lactofen	77501-63-4		H95a;N110/95		H95a;N110/95		H95a;N110/95
lead	7439-92-1		H95a;N110/95		H95a;N110/95	B2	I11/93;10/95
lead alkyls	unavailable02		H95a;N110/95		H95a;N110/95		H95a;N110/95
lindane	58-89-9	1.3000	H95a;N110/95		H95a;N110/95	B2-C	H95a;N110/95
linuron	330-55-2		H95a;N110/95		H95a;N110/95	C	I10/93;10/95
londax	83055-99-6		H95a;N110/95		H95a;N110/95		H95a;N110/95
malathion	121-75-5		H95a;N110/95		H95a;N110/95		H95a;N110/95
maleic anhydride	108-31-6		H95a;N110/95		H95a;N110/95		H95a;N110/95
maleic hydrazide	123-33-1		H95a;N110/95		H95a;N110/95		H95a;N110/95
malonitrile	109-77-3		H95a;N110/95		H95a;N110/95		H95a;N110/95
mancozeb	8018-01-7		H95a;N110/95		H95a;N110/95	D	H95a;N110/95
maneb	12427-38-2		H95a;N110/95		H95a;N110/95		H95a;N110/95
manganese	7439-96-5a		H95a;N110/95		H95a;N110/95		I3/94;10/95
meposfolan	950-10-7		H95a;N110/95		H95a;N110/95		H95a;N110/95
mepiquat chloride	24307-26-4		H95a;N110/95		H95a;N110/95		H95a;N110/95
mercuric chloride	7487-94-7		H95a;N110/95		H95a;N110/95	C	16/95;10/95
mercury	7439-97-6		H95a;N110/95		H95a;N110/95	D	15/95;10/95
merphos	150-50-5		H95a;N110/95		H95a;N110/95		H95a;N110/95
merphos oxide	78-48-8		H95a;N110/95		H95a;N110/95		H95a;N110/95
metalaxyl	57837-19-1		H95a;N110/95		H95a;N110/95		H95a;N110/95
methacrylonitrile	126-98-7		H95a;N110/95		H95a;N110/95		H95a;N110/95
methamidophos	10265-92-6		H95a;N110/95		H95a;N110/95		H95a;N110/95
methanol	67-56-1		H95a;N110/95		H95a;N110/95		H95a;N110/95
methidathion	950-37-8		H95a;N110/95		H95a;N110/95	C	I10/93;10/95
methomyl	16752-77-5		H95a;N110/95		H95a;N110/95		H95a;N110/95
methoxy-5-nitroaniline;2-	99-59-2	.0460	H95a;N110/95		H95a;N110/95	B2	H95a;N110/95
methoxychlor	72-43-5		H95a;N110/95		H95a;N110/95	D	I10/93;10/95
methoxyethanol acetate;2-	110-49-6		H95a;N110/95		H95a;N110/95		H95a;N110/95

AR 033901

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	Reference	EPA Carcinogen Classification	Reference
methoxyethanol;2-	109-86-4			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl acetate	79-20-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl acrylate	96-33-3			H95a;NI10/95	H95a;NI10/95	D	112/90;10/95
methyl ethyl ketone	78-93-3			H95a;NI10/95	H95a;NI10/95	D	16/93;10/95
methyl isobutyl ketone	108-10-1			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl mercury	22967-92-6			H95a;NI10/95	H95a;NI10/95	C	15/95;10/95
methyl methacrylate	80-62-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl parathion	298-00-0			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl styrene	25013-15-4			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl styrene, alpha	98-83-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl tert-butyl ether	1634-04-4			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl-4-chlorophenoxy-acetic acid;2-	94-74-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methyl-5-nitroaniline;2-	99-55-8	.0330		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
methylamine hydrochloride;2-	636-21-5	.1800		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
methylamine;2-	95-53-4	.2400		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
methylene bis(2-chloroaniline);4,4'-	101-14-4	.1300	.1300	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
methylene bis(n,n'-dimethylaniline);4,4'-	101-61-1	.0460		17/93;10/95	H95a;NI10/95	B2	17/93;10/95
methylene bromide	74-95-3			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methylene diphenyl isocyanate	101-68-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
methylenebisbenzenamine;4,4'-	101-77-9	.2500		H91a;NI10/95	H95a;NI10/95	D	H91a;NI10/95
methylhydrazine	60-34-4	1.1000		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
metolachlor	51218-45-2			H95a;NI10/95	H95a;NI10/95	C	110/93;10/95
metribuzin	21087-64-9			H95a;NI10/95	H95a;NI10/95	D	112/93;10/95
mevinphos	7786-34-7			H95a;NI10/95	H95a;NI10/95		112/93;10/95
mirex	2385-85-5	1.8000		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
molinate	2212-67-1			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
molybdenum	7439-98-7			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
monochloramine	10599-90-3			H95a;NI10/95	H95a;NI10/95	D	112/93;10/95
monochlorobutanes	unavailable03			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
naled	300-76-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
naphthalene	91-20-3			H95a;NI10/95	H95a;NI10/95	D	18/95;10/95
napropamide	15299-99-7			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
nickel subsulfide	12035-72-2		1.7000	H95a;01/96	H95a;NI101/96	A	107/93;01/96

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Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer		Respiratory		EPA	
		Potency Factor (kg*day/mg)	Reference	Cancer Potency Factor (kg*day/mg)	Reference	Classification	Reference
nickel, refinery dust	unavailable04		H95a;NI10/95	.8400	H95a;NI10/95	A	11/91;10/95
nickel, soluble salts	7440-02-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nitrate	14797-55-8		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nitric oxide	10102-43-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nitrite	14797-65-0		H93a;RI7/94		H95a;NI10/95		H93a;RI7/94
nitrobenzene	98-95-3		H95a;NI10/95		H95a;NI10/95	D	12/95;10/95
nitrofurantoin	67-20-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nitrofurazone	59-87-0	1.5000	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
nitrogen dioxide	10102-44-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nitroguanidine	556-88-7		H95a;NI10/95		H95a;NI10/95	D	12/93;10/95
nitropropane;2-	79-46-9	9.5000	H91a;NI10/95	9.4000	H95a;NI10/95	B2	H95a;NI10/95
nitroso-N-methylethylamine;N-	10595-95-6	22.0000	17/93;10/95		H95a;NI10/95	B2	17/93;10/95
nitroso-di-n-butylamine;N-	924-16-3	5.4000	17/93;10/95	5.4000	H95a;NI10/95	B2	17/93;10/95
nitroso-di-n-propylamine;N-	621-64-7	7.0000	17/93;10/95		H95a;NI10/95	B2	17/93;10/95
nitroso-n-ethylurea;n-	759-73-9	142.0000	H95a;NI01/96		H95a;NI01/96	B2	H95a;NI01/96
nitrosodiethanolamine;N-	1116-54-7	2.8000	17/93;10/95		H95a;NI10/95	B2	17/93;10/95
nitrosodiethylamine;N-	55-18-5	150.0000	17/93;10/95	150.0000	H95a;NI10/95	B2	17/93;10/95
nitrosodimethylamine;N-	62-75-9	51.0000	17/93;10/95	51.0000	H95a;NI10/95	B2	17/93;10/95
nitrosodiphenylamine;N-	86-30-6	.0049	17/93;10/95		H95a;NI10/95	B2	17/93;10/95
nitrosopyrrolidine;N-	930-55-2	2.1000	12/94;10/95	2.1000	H95a;NI10/95	B2	12/94;10/95
nitrotoluenes;o-,m-,p-	1321-12-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
norflurazon	27314-13-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
nustar	85509-19-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
octabromodiphenyl ether	32536-52-0		H95e;NI10/95		H95a;NI10/95		18/90;10/95
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazoc	2691-41-0		H95e;NI10/95		H95a;NI10/95	D	12/93;10/95
octamethylpyrophosphoramide	152-16-9		H95e;NI10/95		H95a;NI10/95	C	H95a;NI10/95
oryzalin	19044-88-3		H95e;NI10/95		H95a;NI10/95		110/93;10/95
oxadiazon	19666-30-9		H95e;NI10/95		H95a;NI10/95		H95a;NI10/95
oxamyl	23135-22-0		H95e;NI10/95		H95a;NI10/95		H95a;NI10/95
oxyfluorfen	42874-03-3		H95e;NI10/95		H95a;NI10/95		H95a;NI10/95
paclobutrazol	76738-62-0		H95e;NI10/95		H95a;NI10/95		H95a;NI10/95
pah	unavailable05	7.3000	RX7/92;3/93		H95a;NI10/95	B2	RX; 2/91
paraquat	1910-42-5		H95a;NI10/95		H95a;NI10/95	C	110/93;10/95

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Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Reference	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	EPA Carcinogen Classification	Reference
parathion	56-38-2		H95a;NI10/95		H95a;NI10/95	C	I10/93;10/95
pebulate	1114-71-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
pendimethalin	40487-42-1		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3	.0230	H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
pentabromodiphenyl ether	32534-81-9		H95a;NI10/95		H95a;NI10/95	D	18/90;10/95
pentachlorobenzene	608-93-5		H95a;NI10/95		H95a;NI10/95	D	12/95;10/95
pentachloronitrobenzene	82-68-8	.2600	H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
pentachloroophenol	87-86-5	.1200	17/93;10/95		H95a;NI10/95	B2	17/93;10/95
permethrin	52645-53-1		H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
perthane	72-56-0	.0003	ECAO, 12/91		H95a;NI10/95	C	ECAO, 12/91
phenmedipham	13684-63-4		H95a;NI10/95		H95a;NI10/95	D	H95a;NI10/95
phenol	108-95-2		H95a;NI10/95		H95a;NI10/95		I11/90;10/95
phenylenediamine;m-	108-45-2		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
phenylenediamine;o-	95-54-5	.0470	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
phenylmercuric acetate	62-38-4		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
phenylphenol;2-	90-43-7	.0019	H95a;NI10/95		H95a;NI10/95	C	H95a;NI10/95
phosmet	732-11-6		H95a;NI10/95		H95a;NI10/95	D	H95a;NI10/95
phosphine	7803-51-2		H95a;NI10/95		H95a;NI10/95		19/92;10/95
phosphorus	7723-14-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
phthalic acid;p-	100-21-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
phthalic anhydride	85-44-9		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
picloram	1918-02-1		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
pirimiphos-methyl	29232-93-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
polybrominated biphenyls	unavailable06		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
polychlorinated biphenyls	1336-36-3	8.9000	H95a;NI10/95		H95a;NI10/95	B2	H95a;NI10/95
potassium cyanide	151-50-8	7.7000	I01/96;01/96		H95a;NI10/95	B2	101/96;01/96
potassium silver cyanide	506-61-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
prochloraz	67747-09-5	.1500	110/93;10/95		H95a;NI10/95	C	110/93;10/95
profluralin	26399-36-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
prometon	1610-18-0		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
prometryn	7287-19-6		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
pronamide	23950-58-5		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95
propachlor	1918-16-7		H95a;NI10/95		H95a;NI10/95		H95a;NI10/95

AR 033904

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Oral Cancer Potency Factor		Respiratory Cancer Potency Factor (kg*day/mg)	EPA Carcinogen Classification		Reference
	Cas Number	(kg*day/mg)		Reference	Reference	
propanil	709-98-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
propargite	2312-35-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
propargyl alcohol	107-19-7			H95a;N110/95	H95a;N110/95	H95a;N110/95
propazine	139-40-2			H95a;N110/95	H95a;N110/95	H95a;N110/95
propham	122-42-9			H95a;N110/95	H95a;N110/95	H95a;N110/95
propiconazole	60207-90-1			H95a;N110/95	H95a;N110/95	H95a;N110/95
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2			H95a;N110/95	H95a;N110/95	H95a;N110/95
propylene glycol	57-55-6			H95a;N110/95	H95a;N110/95	H95a;N110/95
propylene glycol dinitrate;1,2-	6423-43-4			H95a;N110/95	H95a;N110/95	H95a;N110/95
propylene glycol monoethyl ether	52125-53-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
propylene glycol monomethyl ether	107-98-2			H95a;N110/95	H95a;N110/95	H95a;N110/95
propylene oxide	75-56-9	.2400	.0130	14/94;10/95	H95a;N110/95	14/94;10/95
pursuit	81335-77-5			H95a;N110/95	H95a;N110/95	H95a;N110/95
pydrin	51630-58-1			H95a;N110/95	H95a;N110/95	H95a;N110/95
pyrene	129-00-0			H95a;N110/95	H95a;N110/95	11/91;10/95
pyridine	110-86-1			H95a;N110/95	H95a;N110/95	H95a;N110/95
quinalphos	13593-03-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
quinoline	91-22-5	12.0000		H95a;N110/95	H95a;N110/95	H95a;N110/95
rdk	121-82-4	.1100		17/93;10/95	H95a;N110/95	17/93;10/95
refractory ceramic fibers	unavailable07			H95a;N110/95	H95a;N110/95	17/93;10/95
resmethrin	10453-86-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
ronnel	299-84-3			H95a;N110/95	H95a;N110/95	H95a;N110/95
rotenone	83-79-4			H95a;N110/95	H95a;N110/95	H95a;N110/95
savey	78587-05-0			H95a;N110/95	H95a;N110/95	H95a;N110/95
selenious acid	7783-00-8			H95a;N110/95	H95a;N110/95	17/93;10/95
selenium and compounds	7782-49-2			H95a;N110/95	H95a;N110/95	17/93;10/95
selenourea	630-10-4			H95a;N110/95	H95a;N110/95	H95a;N110/95
sethoxydim	74051-80-2			H95a;N110/95	H95a;N110/95	H95a;N110/95
silver	7440-22-4			H95a;N110/95	H95a;N110/95	16/89;10/95
silver cyanide	506-64-9			H95a;N110/95	H95a;N110/95	H95a;N110/95
simazine	122-34-9	.1200		H95a;N110/95	H95a;N110/95	H95a;N110/95
sodium azide	26628-22-8			H95a;N110/95	H95a;N110/95	H95a;N110/95
sodium cyanide	143-33-9			H95a;N110/95	H95a;N110/95	H95a;N110/95

AR 033905

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	Reference	EPA Carcinogen Classification	Reference
sodium diethyldithiocarbamate	148-18-5	.2700		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
sodium fluoroacetate	62-74-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
sodium metavanadate	13718-26-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
strontium	7440-24-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
strychnine	57-24-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
styrene	100-42-5	.0300	.0020	H91a;NI10/95	H91a;NI10/95	B2	H91a;NI10/95
sythane	88671-89-0			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tcdd;2,3,7,8-	1746-01-6	*****	150000.0000	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
tebuthiuron	34014-18-1			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
temphos	3383-96-8			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
terbacil	5902-51-2			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
terbufos	13071-79-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
terbutryn	886-50-0			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tetrachlorobenzene;1,2,4,5-	95-94-3			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tetrachloroethane;1,1,1,2-	630-20-6	.0260	.0260	11/91;10/95	H95a;NI10/95	C	11/91;10/95
tetrachloroethane;1,1,2,2-	79-34-5	.2000	.2000	12/94;10/95	H95a;NI10/95	C	12/94;10/95
tetrachloroethylene	127-18-4	.0510		H91a;RI10/95	H95a;NI10/95	B2	H91a;RI10/95
tetrachlorophenol;2,3,4,6-	58-90-2			H95a;NI10/95	H91a;NI102/96		H95a;NI10/95
tetrachlorotoluene;p,a,a,a,-	5216-25-1	20.0000		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
tetrachlorvinphos	961-11-5	.0240		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
tetraethyl dithiopyrophosphate	3689-24-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tetraethyl lead	78-00-2			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tetrafluoroethane;1,1,1,2-	811-97-2			H95a;NI01/96	H95a;NI01/96		H95a;NI02/96
thallic oxide	1314-32-5			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium acetate	563-68-8			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium carbonate	6533-73-9			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium chloride	7791-12-0			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium nitrate	10102-45-1			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium selenite	12039-52-0			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium(I) sulfate	7446-18-6			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thallium, soluble salts	7440-28-0			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
thiobencarb	28249-77-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
thiocyanomethylthiobenzothiazole;2-	21564-17-0			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

Cancer Potency Factor Information
Data updated: 2/28/96

Chemical Name	Cas Number	Oral Cancer Potency Factor (kg*day/mg)	Respiratory Cancer Potency Factor (kg*day/mg)	Reference	Reference	EPA Carcinogen Classification	Reference
thiofanox	39196-18-4			H95a;R110/95	H95a;R110/95		H95a;R110/95
thiophanate-methyl	23564-05-8			H95a;NI10/95	H95a;NI10/95		H95a;R110/95
thiram	137-26-8			H95a;R110/95	H95a;R110/95		H95a;R110/95
tin	7440-31-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tnt	118-96-7	.0300		17/93;10/95	H95a;NI10/95	C	17/93;10/95
toluene	108-88-3			H95a;NI10/95	H95a;NI10/95	D	12/94;10/95
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5			H95a;NI01/96	H95a;NI01/96		H95a;NI02/96
toluenediamine;2,4-	95-80-7	3.2000		H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
toluenediamine;2,5-	95-70-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
toluenediamine;2,6-	823-40-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
toluidine;p-	106-49-0	.1900		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
toxaphene	8001-35-2	1.1000	1.1000	11/91;10/95	H95a;NI10/95	B2	11/91;10/95
tp;2,4,5-	93-72-1			H95a;NI10/95	H95a;NI10/95	D	18/88;10/95
tph	unavailable08						
tph, diesel	unavailable09						
tph, gasoline	unavailable10						
tph, other	unavailable11						
tralomethrin	66841-25-6			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
triallate	2303-17-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
triasulfuron	82097-50-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tribromobenzene;1,2,4-	615-54-3			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tributyltin oxide	56-35-9			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trichloro-1,2,2-trifluoroethane;1,1,2-	76-13-1			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trichloroaniline hydrochloride;2,4,6-	33663-50-2	.0290		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
trichloroaniline;2,4,6-	634-93-5	.0340		H95a;NI10/95	H95a;NI10/95	C	H95a;NI10/95
trichlorobenzene;1,2,4-	120-82-1			H95a;NI10/95	H95a;NI10/95	D	19/90;10/95
trichloroethane;1,1,1-	71-55-6			H91a;NI7/94	H95a;NI10/95	D	19/90;10/95
trichloroethane;1,1,2-	79-00-5	.0570	.0570	12/94;10/95	H95a;NI10/95	C	12/94;10/95
trichloroethylene	79-01-6	.0110	.0170	H91a;NI10/95	H91a;NI10/95	B2	H91a;NI10/95
trichlorofluoromethane	75-69-4			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trichlorophenol;2,4,5-	95-95-4			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trichlorophenol;2,4,6-	88-06-2	.0110	.0110	12/94;10/95	H95a;NI10/95	B2	12/94;10/95
trichlorophenoxyacetic acid;2,4,5-	93-76-5			H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

Cancer Potency Factor Information

Data updated: 2/28/96

Chemical Name	Oral Cancer Potency Factor		Respiratory Cancer Potency Factor		EPA Carcinogen Classification	Reference
	Cas Number	(kg*day/mg)	(kg*day/mg)	(kg*day/mg)		
trichloropropane;1,1,2-	598-77-6		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trichloropropane;1,2,3-	96-18-4	7.0000	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
trichloropropene;1,2,3-	96-19-5		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
tridiphane	58138-08-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
triethylamine	121-44-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
trifluralin	1582-09-8	.0077	110/93;10/95	H95a;NI10/95		110/93;10/95
trimethyl phosphate	512-56-1	.0370	H95a;NI10/95	H95a;NI10/95	B2	H95a;NI10/95
trinitrobenzene;1,3,5-	99-35-4		H95a;RI10/95	H95a;RI10/95		H95a;RI10/95
trinitrophenylmethylnitramine	479-65-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
uranium, soluble salts	unavailable12		H95a;NI10/95	H95a;NI10/95		17/93;7/94
vanadium	7440-62-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
vanadium pentoxide	1314-62-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
vanadyl sulfate	27774-13-6		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
vernarn	1929-77-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
vinclozolin	50471-44-8		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
vinyl acetate	108-05-4		H95a;RI10/95	H95a;RI10/95		H95a;RI10/95
vinyl chloride	75-01-4	1.9000	H95a;NI10/95	H95a;NI10/95	A	H95a;NI10/95
warfarin	81-81-2		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
xylene	1330-20-7		H95a;NI10/95	H95a;NI10/95		13/91;7/94
xylene;m-	108-38-3		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
xylene;o-	95-47-6		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
zinc	7440-66-6		H95a;NI10/95	H95a;NI10/95	D	12/91;10/95
zinc cyanide	-557-21-1		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
zinc phosphide	1314-84-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95
zineb	12122-67-7		H95a;NI10/95	H95a;NI10/95		H95a;NI10/95

Oral Reference Dose Information
 Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
acenaphthene	83-32-9	.0600	I4/94;9/95	hepatotoxicity
acephate	30560-19-1	.0040	I2/90;9/95	neurotoxicity
acetaldehyde	75-07-0		H95a;N19/95	
acetochlor	34256-82-1	.0200	I9/93;9/95	
acetone	67-64-1	.1000	I8/93;9/95	nephrotoxicity, hepatotoxicity
acetone cyanohydrin	75-86-5	.0008	H95a;N19/95	weight, neurotoxicity, thyroid
acetonitrile	75-05-8	.0060	I2/90;9/95	hepatotoxicity, hemotoxicity
acetophenone	98-86-2	.1000	I1/89;9/95	
acifluorfen, sodium	62476-59-9	.0132	I12/88;7/94	mortality, nephrotoxicity
acrolein	107-02-8	.0200	H95a;N19/95	
acrylamide	79-06-1	.0002	I3/91;9/95	neurotoxicity
acrylic acid	79-10-7	.5000	I5/94;9/95	weight
acrylonitrile	107-13-1	.0010	H95a;N19/95	Reproductive toxicity
alachlor	15972-60-8	.0100	I9/93;9/95	hemotoxicity
alar	1596-84-5	.1500	I7/91;9/95	
aldicarb	116-06-3	.0010	I11/93;9/95	neurotoxicity
aldicarb sulfone	1646-88-4	.0010	I11/93;9/95	brain cholinesterase inhibition in females
aldrin	309-00-2	.0000	I3/88;9/95	hepatotoxicity
allyl	74223-64-6	.2500	I6/88;9/95	weight
allyl alcohol	107-18-6	.0050	I8/89;9/95	nephrotoxicity, hepatotoxicity
allyl chloride	107-05-1	.0500	H91a;N19/95	neurotoxicity
aluminum phosphide	20859-73-8	.0004	I3/88;9/95	weight
andro	67485-29-4	.0003	I9/87;9/95	
ametryn	834-12-8	.0090	I11/89;9/95	hepatotoxicity
aminophenol;m-	591-27-5	.0700	H95a;N19/95	weight, thyroid
aminopyridine;4-	504-24-5	.0000	H95a;N19/95	hepatotoxicity, neurotoxicity
amitraz	33089-61-1	.0025	I12/88;9/95	hemotoxicity
ammonia	7664-41-7	34.0000	34 mg/l (H95a)	taste threshold
ammonium sulfamate	7773-06-0	.2000	I3/91;9/95	weight
aniline	62-53-3		H95a;N19/95	spleen
anthracene	120-12-7	.3000	I7/93;9/95	
antimony pentoxide	1314-60-9	.0005	H95a;N19/95	hemotoxicity; mortality

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
antimony potassium tartrate	28500-74-5	.0009	H93a;N19/95	hemotoxicity; mortality
antimony tetroxide	1332-81-6	.0004	H95a;N19/95	hemotoxicity; mortality
antimony trioxide	1309-64-4	.0004	H95a;N19/95	hemotoxicity; mortality
apollo	74115-24-5	.0130	I11/89;9/95	hepatotoxicity
aramite	140-57-8	.0500	H95a;N19/95	hepatotoxicity
aroclor 1016	12674-11-2	.0001	I5/94;9/95	weight
aroclor 1254	11097-69-1	.0000	I10/94;9/95	ocular toxicity; immunotoxicity
arsenic, inorganic	7440-38-2	.0003	I3/93;9/95	skin lesions
arsine	7784-42-1		H95a;N19/95	hemotoxicity
asbestos	1332-21-4		H95a;N19/95	
assure	76578-14-8	.0090	I9/88;9/95	hepatotoxicity
asulam	3337-71-1	.0500	I6/88;9/95	reproductive and hepatotoxicity
atrazine	1912-24-9	.0350	I10/93;9/95	developmental toxicity
avermectin 81	65195-55-3	.0004	I7/89;9/95	ocular toxicity
azobenzene	103-33-3		H95a;N19/95	
barium	7440-39-3	.0700	I8/90;9/95	cardiovascular toxicity
barium cyanide	542-62-1	.1000	H93a;N19/95	cardiovascular toxicity
baygon	114-26-1	.0040	I7/92;9/95	
bayleton	43121-43-3	.0300	I3/88;9/95	weight; hemotoxicity
baythroid	68359-37-5	.0250	I3/88;9/95	weight; nephrotoxicity
benefin	1861-40-1	.3000	I3/88;9/95	hemotoxicity
benomyl	17804-35-2	.0500	I3/89;9/95	weight
bentazon	25057-89-0	.0025	I1/95;9/95	prostate
benzaldehyde	100-52-7	.1000	I9/88;9/95	nephrotoxicity, gastrointestinal toxicity
benzene	71-43-2		H95a;N19/95	
benzenethiol	108-98-5	.0000	H95a;N19/95	hepatotoxicity
benzidine	92-87-5	.0030	I2/95;9/95	neurotoxicity, hepatotoxicity
benzo[a]anthracene	56-55-3		H95a;N19/95	
benzo[a]pyrene	50-32-8		H95a;N19/95	
benzo[b]fluoranthene	205-99-2		H95a;N19/95	
benzo[k]fluoranthene	207-08-9		H95a;N19/95	
benzoic acid	65-85-0	4.0000	I7/93;9/95	neurotoxicity
benzotrithloride	98-07-7		H95a;N19/95	

AR 033910

Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
benzyl alcohol	100-51-6	.3000	H95a; N19/95	gastrointestinal toxicity
benzyl chloride	100-44-7		H95a; N19/95	
beryllium	7440-41-7	.0050	12/93; 9/95	
beta-chloronaphthalene	91-58-7	.0800	111/90; 9/95	
bidrin	141-66-2	.0001	111/89; 9/95	
biphenthrin	82657-04-3	.0150	18/88; 9/95	
biphenyl; 1,1-	92-52-4	.0500	18/89; 9/95	nephrotoxicity
bis(2-chloro-1-methyl-ethyl) ether	108-60-1		H95a; N19/95	
bis(2-chloroethyl) ether	111-44-4		H95a; N19/95	
bis(2-chloroisopropyl) ether	39638-32-9	.0400	18/90; 9/95	hemotoxicity
bis(2-ethylhexyl) phthalate	117-81-7	.0200	15/91; 9/95	hepatotoxicity
bis(chloromethyl) ether	542-88-1		H95a; N19/95	
bisphenol a	80-05-7	.0500	17/93; 9/95	weight
boron	7440-42-8	.0900	16/95; 9/95	reproductive toxicity
bromodichloromethane	75-27-4	.0200	13/91; 9/95	nephrotoxicity
bromoethene	593-60-2		H95a; N19/95	
bromoform	75-25-2	.0200	13/91; 9/95	hepatotoxicity
bromomethane	74-83-9	.0014	17/91; 9/95	gastrointestinal toxicity
bromophos	2104-96-3	.0050	H95a; N19/95	neurotoxicity
bromoxynil	1689-84-5	.0200	16/88; 9/95	
bromoxynil octanoate	1689-99-2	.0200	19/88; 9/95	
butadiene; 1,3-	106-99-0		H95a; N19/95	
butanol; n-	71-36-3	.1000	19/90; 19/95	hemotoxicity
butyl benzyl phthalate	85-68-7	.2000	12/93; 9/95	weight
butylate	2008-41-5	.0500	110/94; 9/95	hepatotoxicity
butylphthalyl butylglycolate	85-70-1	1.0000	13/88; 9/95	
butyric acid; 4-(2-methyl-4-chlorophenoxy)-	94-81-5	.0100	17/92; 9/95	reproductive toxicity, hepatotoxicity, nephrotoxicity
cadodylic acid	75-60-5	.0030	H95a; N19/95	
cadmium in soil (ignore water values for Methods B	7440-43-9a	.0010	12/94; 9/95	
cadmium in water (ignore soil values for Methods B	7440-43-9	.0005	12/94; 9/95	nephrotoxicity
calcium cyanide	592-01-8	.0400	11/90; 9/95	weight; thyroid; neurotoxicity
caprolactam	105-60-2	.5000	19/88; 9/95	weight

AR 033911

Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
captafol	2425-06-1	.0020	19/87;9/95	nephrotoxicity, bladder weight
captan	133-06-2	.1300	13/89;9/95	nephrotoxicity; hepatotoxicity
carbaryl	63-25-2	.1000	13/88;9/95	hemotoxicity; reproductive toxicity
carbazole	86-74-8		H95a;N19/95	developmental toxicity
carbofuran	1563-66-2	.0050	19/87;9/95	hepatotoxicity
carbon disulfide	75-15-0	.1000	19/90;9/95	neurotoxicity
carbon tetrachloride	56-23-5	.0007	16/91;9/95	weight
carbophenothion	786-19-6	.0001	ECA06/91;12/91	weight; mortality
carbosulfan	55285-14-8	.0100	112/88;9/95	hepatotoxicity
carboxin	5234-68-4	.1000	17/89;9/95	hepatotoxicity
chloral	75-87-6	.0020	18/88;9/95	hepatotoxicity
chloramben	133-90-4	.0150	13/88;9/95	hepatotoxicity
chloranil	118-75-2	.	H95a;N19/95	hepatotoxicity
chlorodane	57-74-9	.0001	17/89;9/95	hemotoxicity
chlorimuron-ethyl	90982-32-4	.0200	111/89;9/95	hemotoxicity
chlorine	7782-50-5	.1000	16/94;9/95	weight, thyroid, neurotoxicity
chlorine cyanide	506-77-4	.0500	13/88;9/95	weight, thyroid, neurotoxicity
chlorine dioxide	10049-04-4		H95a;N19/95	weight, thyroid, neurotoxicity
chlorite	7758-19-2		H95a;N101/96	alopecia, retarded growth
chloro-1,3-butadiene;2-	126-99-8	.0200	H91a;N19/95	alopecia, retarded growth
chloro-2-methylaniline hydrochloride;4-	3165-93-3		H95a;N19/95	alopecia, retarded growth
chloro-2-methylaniline;4-	95-69-2		H95a;N19/95	alopecia, retarded growth
chloroacetic acid	79-11-8	.0020	H95a;N19/95	cardiovascular toxicity
chloroacetophenone;2-	532-27-4		H95a;N19/95	cardiovascular toxicity
chloroaniline;p-	106-47-8	.0040	12/95;9/95	spleen
chlorobenzene	108-90-7	.0200	17/93;9/95	hepatotoxicity, nephrotoxicity
chlorobenzilate	510-15-6	.0200	112/89;9/95	weight, neurotoxicity
chlorobenzoic acid;p-	74-11-3	.2000	H95a;N19/95	weight, neurotoxicity
chlorobenzotrifluoride;4-	98-56-6	.0200	H95a;N19/95	nephrotoxicity
chlorobutane;1-	109-69-3	.4000	H95a;N19/95	hemotoxicity, neurotoxicity, mortality
chloroform	67-66-3	.0100	19/92;9/95	hepatotoxicity
chloromethane	74-87-3		H95a;N19/95	hepatotoxicity
chloromethyl methyl ether	107-30-2		H95a;N19/95	hepatotoxicity

AR 033912

Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
chloronitrobenzene;o-	88-73-3		H95a;N19/95	
chloronitrobenzene;p-	100-00-5		H95a;N19/95	
chlorophenol;2-	95-57-8	.0050	17/93;9/95	reproductive toxicity
chlorophenyl methyl sulfide;p-	123-09-1		H95a;N19/95	
chlorophenyl methyl sulfone;p-	98-57-1		H95a;N19/95	
chlorophenyl methyl sulfoxide;p-	934-73-6		H95a;N19/95	
chloropropane;2-	75-29-6		H95a;N19/95	
chlorothalonil	1897-45-6	.0150	13/88;9/95	nephrotoxicity
chlorotoluene;o-	95-49-8	.0200	12/90;9/95	weight
chlorpropam	101-21-3	.2000	16/88;9/95	nephrotoxicity; spleen; hepatotoxicity;
chlorpyrifos	2921-88-2	.0030	13/88;9/95	neurotoxicity
chlorpyrifos-methyl	5598-13-0	.0100	H95a;N19/95	reproductive toxicity, hepatotoxicity
chlorsulfuron	64902-72-3	.0500	11/90;9/95	
chlorthiophos	21923-23-9	.0008	H95a;N19/95	
chromium (total)	7440-47-3		H95a;N19/95	
chromium(III)	16065-83-1	1.0000	13/88;9/95	
chromium(VI)	18540-29-9	.0050	12/95;9/95	
chrysene	218-01-9		13/88;7/94	
copper	7440-50-8	.0370	from DWC	gastrointestinal toxicity
copper cyanide	544-92-3	.0050	19/88;;9/95	weight, nephrotoxicity, hepatotoxicity
creosote	8001-58-9		H95a;N19/95	
cresol;m-	108-39-4	.0500	19/90;9/95	weight, neurotoxicity
cresol;o-	95-48-7	.0500	19/90;9/95	weight, neurotoxicity
cresol;p-	106-44-5	.0050	H95a;N17/94	weight, neurotoxicity
crotonaldehyde	123-73-9		H95a;N19/95	
cumene	98-82-8	.0400	14/91;9/95	nephrotoxicity
cyanazine	21725-46-2	.0020	H95a;N17/94	weight, hemotoxicity
cyanide	57-12-5	.0200	12/93;9/95	weight, thyroid, neurotoxicity
cyanogen	460-19-5	.0400	112/89;9/95	weight, thyroid, neurotoxicity
cyanogen bromide	506-68-3	.0900	19/88;9/95	weight; thyroid; neurotoxicity
cyclohexanone	108-94-1	5.0000	19/87;9/95	weight
cyclohexylamine	108-91-8	.2000	19/88;9/95	reproductive toxicity
cyclopentadiene	542-92-7		H95a;N19/95	

AR 033913

Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
cyhalothrin/karate	68085-85-8	.0050	16/88;9/95	weight
cypermethrin	52315-07-8	.0100	11/90;9/95	gastrointestinal toxicity
cyromazine	66215-27-8	.0075	15/91;9/95	hemotoxicity
dacthal	1861-32-1	.0100	18/94;9/95	hepatotoxicity; nephrotoxicity; adrenal; thyroid
dalapon, sodium salt	75-99-0	.0300	16/89;9/95	nephrotoxicity
danitol	39515-41-8	.0250	110/94;9/95	cardiovascular toxicity, mortality
db;2,4-	94-82-6	.0080	18/92;9/95	
ddd	72-54-8		H95a;N19/95	
dde	72-55-9		H95a;N17/95	
ddt	50-29-3	.0005	19/87;9/95	hepatotoxicity
decabromodiphenyl ether	1163-19-5	.0100	12/95;9/95	hepatotoxicity
demeton	8065-48-3	.0000	13/88;9/95	ChE inhibition; ocular toxicity
di(2-ethylhexyl)adipate	103-23-1	.6000	17/92;9/95	mortality
di-butyl phthalate	84-74-2	.1000	18/90;9/95	nephrotoxicity, hepatotoxicity
di-n-octyl phthalate	117-84-0	.0200	H95a;N19/95	
diallate	2303-16-4		H95a;N19/95	
diazinon	333-41-5	.0009	H95a;R17/94	hemotoxicity
dibenzo[a,h]anthracene	53-70-3		H95a;N19/95	
dibenzofuran	132-64-9		H95a;N19/95	
dibromo-3-chloropropane;1,2-	96-12-8		H95a;N19/95	
dibromobenzene;1,4-	106-37-6	.0100	13/88;9/95	hepatotoxicity
dibromochloromethane	124-48-1	.0200	13/91;9/95	hepatotoxicity
dibromoethane;1,2-	106-93-4		H95a;N19/95	
dicamba	1918-00-9	.0300	17/92;9/95	
dichloro-2-butene;1,4-	764-41-0		H95a;N19/95	
dichlorobenzene;1,2-	95-50-1	.0900	13/91;9/95	hepatotoxicity
dichlorobenzene;1,4-	106-46-7		H95a;N19/95	hepatotoxicity, nephrotoxicity
dichlorobenzidine;3,3'-	91-94-1		H95a;N19/95	
dichlorodifluoromethane	75-71-8	.2000	18/90;9/95	weight
dichloroethane;1,1-	75-34-3	.1000	H92a;N19/95	
dichloroethane;1,2-	107-06-2		H95a;N19/95	
dichloroethylene;1,1-	75-35-4	.0090	14/89;9/95	hepatotoxicity

AR 033914

Oral Reference Dose Information
 Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
dichloroethylene;1,2-,cis	156-59-2	.0100	H95a;N19/95	hemotoxicity
dichloroethylene;1,2-,trans	156-60-5	.0200	11/89;9/95	increased alkaline phosphatase activity
dichloromethane	75-09-2	.0600	13/88;9/95	hepatotoxicity
dichlorophenol;2,4-	120-83-2	.0030	16/88;9/95	immunotoxicity
dichlorophenoxyacetic acid;2,4-	94-75-7	.0100	15/88;9/95	hemotoxicity, nephrotoxicity
dichloropropane;1,2-	78-87-5		H95a;N19/95	
dichloropropanol;2,3-	616-23-9	.0030	11/90;9/95	cardiovascular toxicity; hepatotoxicity; nephrotoxicity
dichloropropene;1,3-	542-75-6	.0003	110/90;9/95	weight
dichlorvos	62-73-7	.0005	11/93;9/95	hemotoxicity
dicolol	115-32-2		H95a;N19/95	
dicyclopentadiene	77-73-6	.0300	H95a;N19/95	
dieldrin	60-57-1	.0001	19/90;9/95	hepatotoxicity
diethyl phthalate	84-66-2	.8000	12/93;9/95	weight
diethyl-p-nitrophenylphosphate	311-45-5		H95a;N19/95	
diethylene glycol	111-46-6	2.0000	H91a;N19/95	nephrotoxicity
diethylene glycol dinitrate	693-21-0		H91a;N19/95	
diethylformamide	617-84-5	.0110	H95a;N19/95	
diethylstilbestrol	56-53-1		H95a;N19/95	
difenzoquat	43222-48-6	.0800	18/88;9/95	weight
diflubenuron	35367-38-5	.0200	19/90;9/95	
difluoroethane;1,1-	75-37-6		H94a;N112/94	
diisopropyl methylphosphonate	1445-75-6	.0800	12/93;9/95	hepatotoxicity
dimethipin	55290-64-7	.0200	15/90;9/95	neurotoxicity
dimethoate	60-51-5	.0002	19/90;9/95	
dimethoxybenzidine;3,3'-	119-90-4		H95a;N19/95	
dimethyl phthalate	131-11-3	1.0000	H93a;N19/95	nephrotoxicity
dimethyl terephthalate	120-61-6	.1000	12/95;9/95	nephrotoxicity
dimethylaniline hydrochloride;2,4-	21436-96-4		H95a;N19/95	
dimethylaniline;2,4-	95-68-1		H95a;N19/95	
dimethylaniline;N,N-	121-69-7	.0020	13/88;9/95	spleen
dimethylbenzidine;3,3'-	119-93-7		H95a;N19/95	
dimethylformamide;N,N-	68-12-2	.1000	H95a;N19/95	hepatotoxicity

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Oral Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
dimethylhydrazine;1,1-	57-14-7		H95a;N19/95	
dimethylhydrazine;1,2-	540-73-8		H95a;N19/95	
dimethylphenol;2,4-	105-67-9	.0200	I11/90;9/95	neurotoxicity, hemotoxicity
dimethylphenol;2,6-	576-26-1	.0006	I9/88;9/95	cardiovascular toxicity, weight
dimethylphenol;3,4-	95-65-8	.0010	I1/89;9/95	weight
dinitro-o-cyclohexyl phenol;4,6-	131-89-5	.0020	I1/89;9/95	ocular toxicity
dinitrobenzene;m-	99-65-0	.0001	I8/88;9/95	spleen
dinitrobenzene;o-	528-29-0	.0004	H95a;N19/95	spleen
dinitrobenzene;p-	100-25-4	.0004	H95a;N19/95	
dinitrophenol;2,4-	51-28-5	.0020	I7/91;9/95	ocular toxicity
dinitrotoluene mixture 2,4-/2,6-	unavailable01		H95a;N19/95	
dinitrotoluene;2,4-	121-14-2	.0020	I4/93;9/95	neurotoxicity, hepatotoxicity
dinitrotoluene;2,6-	606-20-2	.0010	ECA011/91;R194	mortality, neurotoxicity, hematotoxicity, hepatotoxicity, nephrotoxicity developmental toxicity
dinoseb	88-85-1	.0010	I8/89;9/95	
dioxane;1,4-	123-91-1		H95a;9/95	
diphenamid	957-51-7	.0300	I3/91;9/95	hepatotoxicity
diphenylamine	122-39-4	.0250	I4/93;9/95	weight, nephrotoxicity, hepatotoxicity
diphenylhydrazine;1,2-	122-66-7		H95a;N19/95	
diquat	85-00-7	.0022	I1/95;9/95	ocular toxicity
direct black 38	1937-37-7		H95a;N19/95	
direct blue 6	2602-46-2		H95a;N19/95	
direct brown 95	16071-86-6		H95a;N19/95	
disulfoton	298-04-4	.0000	I3/88;9/95	neurotoxicity, ocular toxicity
dithiane;1,4-	505-29-3	.0100	I3/93;9/95	olfactory lesions
diuron	330-54-1	.0020	I8/88;9/95	hemotoxicity
dodine	2439-10-3	.0040	I9/90;9/95	thyroid
endosulfan	115-29-7	.0060	I10/94;9/95	nephrotoxicity
endothall	145-73-3	.0200	I3/91;9/95	gastrointestinal toxicity
endrin	72-20-8	.0003	I4/91;9/95	convulsions, hepatotoxicity
epichlorohydrin	106-89-8		W14/92;9/95	
epoxybutane	106-88-7		H95a;N19/95	
ethephon	16672-87-0	.0050	I3/91;9/95	hemotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
ethion	563-12-2	.0005	19/89;9/95	cholinesterase inhibition
ethoxyethanol acetate;2-	111-15-9	.3000	H95a;N19/95	osteotoxicity
ethoxyethanol;2-	110-80-5	.4000	H95a;N19/95	weight
ethyl acetate	141-78-6	.9000	13/88;9/95	mortality, weight
ethyl acrylate	140-88-5		H95a;N19/95	
ethyl chloride	75-00-3		H95a;N19/95	
ethyl dipropylthiocarbamate;S-	759-94-4	.0250	19/90;9/95	cardiovascular toxicity
ethyl ether	60-29-7	.2000	17/93;9/95	weight
ethyl methacrylate	97-63-2	.0900	H95a;N19/95	nephrotoxicity
ethyl p-nitrophenyl phenylphosphorothioate	2104-64-5	.0000	13/91;9/95	nephrotoxicity
ethylbenzene	100-41-4	.1000	16/91;9/95	hepatotoxicity, nephrotoxicity
ethylene cyanohydrin	109-78-4	.3000	H95a;N19/95	cardiovascular toxicity, neurotoxicity
ethylene diamine	107-15-3	.0200	H95a;N19/95	hemotoxicity; cardiovascular toxicity
ethylene glycol	107-21-1	2.0000	19/89;9/95	nephrotoxicity; developmental toxicity
ethylene oxide	75-21-8		H95a;N101/96	
ethylene thiourea	96-45-7	.0001	12/94;9/95	thyroid
ethylphthalyl ethylglycolate	84-72-0	3.0000	12/95;9/95	nephrotoxicity
express	101200-48-0	.0080	14/90;9/95	
fenamiphos	22224-92-6	.0003	19/90;9/95	neurotoxicity
fensulfothion	115-90-2	.0003	ECA06/91;N19/95	
fluometuron	2164-17-2	.0130	19/90;9/95	neurotoxicity
fluoranthene	206-44-0	.0400	17/93;9/95	hepatotoxicity, nephropathy, hemotoxicity
fluorene	86-73-7	.0400	11/90;9/95	hemotoxicity
fluorine, soluble fluoride	7782-41-4	.0600	16/89;9/95	dental fluorosis
fluridone	59756-60-4	.0800	19/90;9/95	nephrotoxicity, reproductive toxicity
flurprimidol	56425-91-3	.0200	14/90;9/95	hepatotoxicity
flutolanil	66332-96-5	.0600	15/90;9/95	weight; hepatotoxicity
fluvalinate	69409-94-5	.0100	13/91;9/95	weight
folpet	133-07-3	.1000	13/91;9/95	weight, hemotoxicity
fomesafen	72178-02-0		H95a;N19/95	
fonfos	944-22-9	.0020	13/91;9/95	cholinesterase inhibition; hapatotoxicity
formaldehyde	50-00-0	.2000	19/90;9/95	weight
formic acid	64-18-6	2.0000	H95a;N17/94	decreased growth

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
fosetyl-al	39148-24-8	3.0000	13/91;9/95	reproductive toxicity
furan	110-00-9	.0010	16/93;9/95	hepatotoxicity
furazolidone	67-45-8		H95a;N19/95	
furfural	98-01-1	.0030	11/90;9/95	hepatotoxicity
furium	531-82-8		H95a;N19/95	hemotoxicity
furmecyclo	60568-05-0		H95a;N19/95	
glufosinate-ammonium	77182-82-2	.0004	15/92;9/95	nephrotoxicity
glycidaldehyde	765-34-4	.0004	14/91;9/95	weight, nephrotoxicity, hematotoxicity
glyphosate	1071-83-6	.1000	19/90;9/95	
haloxyfop-methyl	69806-40-2	.0001	11/91;9/95	nephrotoxicity; reproductive toxicity
harmony	79277-27-3	.0130	14/91;9/95	weight
heptachlor	76-44-8	.0805	13/91;9/95	hepatotoxicity
heptachlor epoxide	1024-57-3	.0000	13/91;9/95	hepatotoxicity
heptane;n-	142-82-5		H95a;N19/95	
hexabromobenzene	87-82-1	.0020	13/88;9/95	induced carboxyl esterase activity
hexachloro-p-dioxin, mixture	19408-74-3		H95a;N19/95	
hexachlorobenzene	118-74-1	.0008	14/91;9/95	hepatotoxicity, hemotoxicity
hexachlorobutadiene	87-68-3	.0002	H95a;M15/93	nephrotoxicity
hexachlorocyclohexane;alpha	319-84-6		H95a;N19/95	
hexachlorocyclohexane;beta-	319-85-7		H95a;N19/95	
hexachlorocyclohexane;delta-	319-86-8		H95a;N19/95	
hexachlorocyclohexane;technical	608-73-1		H95a;N19/95	
hexachlorocyclopentadiene	77-47-4	.0070	19/90;9/95	gastrointestinal toxicity
hexachloroethane	67-72-1	.0010	14/91;9/95	nephrotoxicity
hexachlorophene	70-30-4	.0003	14/91;9/95	neurotoxicity
hexamethylene diisocyanate;1,6-	822-06-0		H94a;N112/94	
hexane;n-	110-54-3	.0600	H95a;N19/95	neurotoxicity
hexazinone	51235-04-2	.0330	19/90;9/95	weight
hydrazine/hydrazine sulfate	302-01-2		H95a;N19/95	
hydrogen chloride	7647-01-0		H95a;N19/95	
hydrogen cyanide	74-90-8	.0200	12/93;9/95	weight; thyroid; neurotoxicity
hydrogen sulfide	7783-06-4	.0030	13/88;9/95	gastrointestinal toxicity
hydroquinone	123-31-9	.0400	H95a;N19/95	hemotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
imazalil	35554-44-0	.0130	19/90;9/95	weight
imazaquin	81335-37-7	.2500	19/90;9/95	weight; hemotoxicity
indeno[1,2,3-cd]pyrene	193-39-5		H95a;N19/95	
iprodione	36734-19-7	.0400	14/91;9/95	hemotoxicity; prostrate
isobutyl alcohol	78-83-1	.3000	14/91;9/95	neurotoxicity
isophorone	78-59-1	.2000	11/91;9/95	nephrotoxicity
isopropalin	33820-53-0	.0150	19/90;9/95	hemotoxicity
isopropyl methyl phosphonic acid	1832-54-8	.1000	14/93;9/95	
isoxaben	82558-50-7	.0500	14/91;9/95	weight
lactofen	77501-63-4	.0020	14/91;9/95	hepatotoxicity
lead	7439-92-1		H95a;N19/95	neurotoxicityh
lead alkyls	unavailable02	.0000	H91a;N19/95	neurotoxicity, hepatotoxicity
lindane	58-89-9	.0003	13/88;9/95	hepatotoxicity, nephrotoxicity
linuron	330-55-2	.0020	18/90;9/95	hemotoxicity
londax	83055-99-6	.2000	14/91;9/95	hepatotoxicity
malathion	121-75-5	.0200	11/92;9/95	hemotoxicity
maleic anhydride	108-31-6	.1000	17/93;9/95	nephrotoxicity
maleic hydrazide	123-33-1	.5000	15/92;9/95	nephrotoxicity
malononitrile	109-77-3	.0000	H95a;N19/95	hepatotoxicity, spleen
mancozeb	8018-01-7	.0300	H95a;N19/95	thyroid
maneb	12427-38-2	.0050	11/92;9/95	thyroid
manganese	7439-96-5a	.1400	16/95;9/95	neurotoxicity
mepfosfolan	950-10-7	.0001	H95a;N19/95	nephrotoxicity, neurotoxicity, hemotoxicity, hepatotoxicity
mepiquat chloride	24307-26-4	.0300	14/91;9/95	hemotoxicity; weight
mercuric chloride	7487-94-7	.0003	15/95;5/95	immunotoxicity
mercury	7439-97-6	.0003	H95a;N19/95	neurotoxicity, nephrotoxicity
merphos	150-50-5	.0000	14/91;9/95	neurotoxicity; weight;
merphos oxide	78-48-8	.0000	14/91;9/95	neurotoxicity; weight;
metalaxyl	57837-19-1	.0600	11/95;9/95	
methacrylonitrile	126-98-7	.0001	11/91;9/95	neurotoxicity; hepatotoxicity
methamidophos	10265-92-6	.0001	13/91;9/95	ChE inhibition
methanol	67-56-1	.5000	17/93;9/95	hemotoxicity; neurotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
methidathion	950-37-8	.0010	18/90;9/95	hepatotoxicity
methomyl	16752-77-5	.0250	13/91;9/95	nephrotoxicity; spleen
methoxy-5-nitroaniline;2-	99-59-2		H95a;N19/95	
methoxychlor	72-43-5	.0050	11/94;9/95	developmental toxicity
methoxyethanol acetate;2-	110-49-6	.0020	H91a;N19/95	reproductive toxicity
methoxyethanol;2-	109-86-4	.0040	H91a;N19/95	reproductive toxicity
methyl acetate	79-20-9	1.0000	H95a;N19/95	hepatotoxicity
methyl acrylate	96-33-3	.0300	H91a;N19/95	developmental toxicity
methyl ethyl ketone	78-93-3	.6000	15/93;9/95	hepatotoxicity, nephrotoxicity
methyl isobutyl ketone	108-10-1	.0800	H95a;N19/95	neurotoxicity
methyl mercury	22967-92-6	.0001	15/95;5/95	nephrotoxicity; cholinesterase inhibition
methyl methacrylate	80-62-6	.0800	H95a;N19/95	nasal lesions
methyl parathion	298-00-0	.0003	13/91;9/95	nephrotoxicity, hepatotoxicity
methyl styrene	25013-15-4	.0060	H91a;N19/95	nephrotoxicity, hepatotoxicity
methyl styrene, alpha	98-83-9	.0700	H91a;N19/95	nephrotoxicity, hepatotoxicity
methyl tert-butyl ether	1634-04-4		H95e;R17/94	
methyl-4-chlorophenoxy-acetic acid;2-	94-74-6	.0005	11/91;9/95	nephrotoxicity, hepatotoxicity
methyl-5-nitroaniline;2-	99-55-8		H95e;N19/95	
methylamine hydrochloride;2-	636-21-5		H95e;N19/95	
methylamine;2-	95-53-4		H95e;N19/95	
methylene bis(2-chloroaniline);4,4'-	101-14-4	.0007	H95e;N19/95	hepatotoxicity, bladder
methylene bis(n,n'-dimethyl)aniline;4,4'-	101-61-1		H95e;N19/95	
methylene bromide	74-95-3	.0100	H91e;N19/95	hemotoxicity
methylene diphenyl isocyanate	101-68-8		H95e;N19/95	
methylenebisbenzenamine;4,4'-	101-77-9		H95e;N19/95	
methylhydrazine	60-34-4		H95e;N19/95	
metolachlor	51218-45-2	.1500	11/94;9/95	decreased body weight gain
metribuzin	21087-64-9	.0250	11/95;9/95	hepatotoxicity, nephrotoxicity, decreased body weight, mortality
mevinphos	7786-34-7	.0003	ECA06/91;N19/95	neurotoxicity
mirex	2385-85-5	.0002	110/92;9/95	developmental toxicity
molinate	2212-67-1	.0020	12/91;9/95	reproductive toxicity
molybdenum	7439-98-7	.0050	18/93;9/95	nephrotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
monochloramine	10599-90-3	.1000	13/94;9/95	mortality
monochlorobutanes	unavailable03	.4000	H91a;N19/95	brain CHE inhibition
naled	300-76-5	.0020	11/95;9/95	weight
naphthalene	91-20-3	.0400	ECA012/94;N195	weight
napropamide	15299-99-7	.1000	15/90;9/95	
nickel subsulfide	12035-72-2		H95a;N101/96	
nickel, refinery dust	unavailable04		H95a;N19/95	
nickel, soluble salts	7440-02-0	.0200	11/92;N19/95	weight
nitrate	14797-55-8	1.6000	110/91;9/95	hemotoxicity
nitric oxide	10102-43-9		W19/94;9/95	hemotoxicity
nitrite	14797-65-0	.1000	18/92;9/95	hemotoxicity
nitrobenzene	98-95-3	.0005	11/91;9/95	hemotoxicity, nephrotoxicity, hepatotoxicity, adrenal gland
nitrofurantoin	67-20-9	.0700	H95a;N19/95	reproductive toxicity
nitrofurazone	59-87-0		H95a;N19/95	
nitrogen dioxide	10102-44-0		W19/94;9/95	hemotoxicity
nitroguanidine	556-88-7	.1000	12/93;9/95	weight; developmental toxicity; mortality
nitropropane;2-	79-46-9		H95a;N19/95	
nitroso-N-methylethylamine;N-	10595-95-6		H95a;N19/95	
nitroso-di-n-butylamine;N-	924-16-3		H95a;N19/95	
nitroso-di-n-propylamine;N-	621-64-7		H95a;N19/95	
nitroso-n-ethylurea;n-	759-73-9		H95a;N101/96	
nitrosodiethanolamine;N-	1116-54-7		H95a;N19/95	
nitrosodiethylamine;N-	55-18-5		H95a;N19/95	
nitrosodimethylamine;N-	62-75-9		H95a;N19/95	
nitrosodiphenylamine;N-	86-30-6		H95a;N19/95	
nitrosopyrrolidine;N-	930-55-2		H95a;N19/95	
nitrotoluenes;o-,m-,p-	1321-12-6	.0100	H95a;N19/95	spleen
norflurazon	27314-13-2	.0400	14/91;9/95	hepatotoxicity; thyroid
nustar	85509-19-9	.0007	12/91;9/95	hepatotoxicity
octabromodiphenyl ether	32536-52-0	.0030	18/90;9/95	hepatotoxicity
octahydro-1,3,5,7-tetrahydro-1,3,5,7-tetrazocine	2691-41-0	.0500	12/93;9/95	hepatotoxicity
octamethylpyrophosphoramide	152-16-9	.0020	H95a;N19/95	neurotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
oryzalin	19044-88-3	.0500	12/91;9/95	weight
oxadiazon	19666-30-9	.0050	13/91;9/95	weight
oxamyl	23135-22-0	.0250	13/91;9/95	weight
oxyfluorfen	42874-03-3	.0030	13/91;9/95	hepatotoxicity
paclobutrazol	76738-62-0	.0130	11/92;9/95	hepatotoxicity
pah	unavailable05		ECA01/92; 5/92	
paraquat	1910-42-5	.0045	12/91;9/95	neurotoxicity
parathion	56-38-2	.0060	H95a;N19/95	cardiovascular toxicity, hemotoxicity
pebulate	1114-71-2	.0500	H95a;N19/95	hepatotoxicity
pendimethalin	40487-42-1	.0400	12/91;9/95	hepatotoxicity
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3		H95a;N19/95	hepatotoxicity
pentabromodiphenyl ether	32534-81-9	.0020	18/90;9/95	hepatotoxicity, nephrotoxicity
pentachlorobenzene	608-93-5	.0008	13/88;9/95	hepatotoxicity
pentachloronitrobenzene	82-68-8	.0030	14/92;9/95	hepatotoxicity, nephrotoxicity
pentachlorophenol	87-86-5	.0300	12/93;9/95	hepatotoxicity, nephrotoxicity
permethrin	52645-53-1	.0500	11/92;9/95	hepatotoxicity
perthane	72-56-0	.0030	ECA0, 12/91	adrenal gland
phenmedipham	13684-63-4	.2500	16/90;9/95	developmental toxicity
phenol	108-95-2	.6000	12/90;9/95	hepatotoxicity
phenylenediamine;m-	108-45-2	.0060	18/91;9/95	nephrotoxicity
phenylenediamine;o-	95-54-5		H95a;N19/95	nephrotoxicity
phenylmercuric acetate	62-38-4	.0001	15/91;9/95	nephrotoxicity
phenylphenol;2-	90-43-7		H95a;N19/95	weight; hepatotoxicity; cholinesterase inhibition
phosmet	732-11-6	.0200	11/92;9/95	weight; hepatotoxicity; cholinesterase inhibition
phosphine	7803-51-2	.0003	11/93;7/94	weight; hepatotoxicity; cholinesterase inhibition
phosphorus	7723-14-0	.0000	12/93;9/95	weight; hepatotoxicity; cholinesterase inhibition
phthalic acid;p-	100-21-0	1.0000	H95a;N19/95	bladder
phthalic anhydride	85-44-9	2.0000	19/88;9/95	pulmonary toxicity, nephrotoxicity
picloram	1918-02-1	.0700	15/92;9/95	nephrotoxicity
pirimiphos-methyl	29232-93-7	.0100	11/92;9/95/	hepatotoxicity
polybrominated biphenyls	unavailable06	.0000	H95a;N19/95	hepatotoxicity
polychlorinated biphenyls	1336-36-3		H95a;N19/95	hepatotoxicity

AR 033922

Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
potassium cyanide	151-50-8	.0500	11/90;9/95	weight, thyroid, neurotoxicity
potassium silver cyanide	506-61-6	.2000	11/90;9/95	weight, thyroid, neurotoxicity
prochloraz	67747-09-5	.0090	11/89;9/95	hepatotoxicity
profluralin	26399-36-0	.0060	H95a;N19/95	
prometon	1610-18-0	.0150	11/92;9/95	
prometryn	7287-19-6	.0040	17/92;9/95	hepatotoxicity; nephrotoxicity; bone marrow atrophy
pronamide	23950-58-5	.0750	11/94;9/95	
propachlor	1918-16-7	.0130	11/92;9/95	weight
propanil	709-98-8	.0050	11/92;9/95	spleen
propargite	2312-35-8	.0200	15/90;9/95	weight
propargyl alcohol	107-19-7	.0020	11/94;9/95	nephrotoxicity, hepatotoxicity
propazine	139-40-2	.0200	11/90;9/95	weight
propham	122-42-9	.0200	19/87;9/95	spleen, cholinesterase depression
propiconazole	60207-90-1	.0130	11/92;9/95	gastrointestinal toxicity
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2	.0010	18/90;9/95	nephrotoxicity
propylene glycol	57-55-6	20.0000	H95a;N19/95	hemotoxicity
propylene glycol dinitrate;1,2-	6423-43-4		ECAO, 11/91	
propylene glycol monomethyl ether	52125-53-8	.7000	H95a;N19/95	weight
propylene glycol monomethyl ether	107-98-2	.7000	H95a;N19/95	nephrotoxicity, hepatotoxicity
propylene oxide	75-56-9		H95a;N19/95	
pursuit	81335-77-5	.2500	11/90;9/95	hemotoxicity
pydrin	51630-58-1	.0250	11/92;9/95	neurotoxicity
pyrene	129-00-0	.0300	17/93;9/95	nephrotoxicity
pyridine	110-86-1	.0010	16/89;9/95	hepatotoxicity
quinalphos	13593-03-8	.0005	11/92;9/95	
quinoline	91-22-5		H95a;N19/95	
rdx	121-82-4	.0030	12/93;9/95	hepatotoxicity, prostate
refractory ceramic fibers	unavailable07		H95a;N19/95	
resmethrin	10453-86-8	.0300	19/88;9/95	reproductive toxicity
ronnel	299-84-3	.0500	H95a;N19/95	hepatotoxicity
rotenone	83-79-4	.0040	19/88;9/95	weight
savey	78587-05-0	.0250	19/88;9/95	hemotoxicity

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
selenious acid	7783-00-8	.0050	19/91;9/95	dermal toxicity
selenium and compounds	7782-49-2	.0050	19/91;9/95	clinical selenosis
selenourea	630-10-4	.0050	H95a;N17/94	hemotoxicity
sethoxydim	74051-80-2	.0900	111/89;9/95	skin
silver	7440-22-4	.0050	112/91;9/95	weight, thyroid, neurotoxicity
silver cyanide	506-64-9	.1000	11/90;9/95	weight, hemotoxicity
simazine	122-34-9	.0050	19/93;9/95	weight
sodium azide	26628-22-8	.0040	13/88;9/95	neurotoxicity; weight; thyroid
sodium cyanide	143-33-9	.0400	13/87;9/95	weight, ocular toxicity
sodium diethyldithiocarbamate	148-18-5	.0300	13/88;9/95	cardiovascular toxicity; reproductive toxicity
sodium fluoroacetate	62-74-8	.0000	17/93;9/95	toxicity
sodium metavanadate	13718-26-8	.0010	H95a;N19/95	nephrotoxicity
strontium	7440-24-6	.6000	110/92;9/95	
strychnine	57-24-9	.0003	13/88;9/95	
styrene	100-42-5	.2000	19/90;9/95	hemotoxicity, hepatotoxicity
sythane	88671-89-0	.0250	19/95;9/95	reproductive toxicity
tddd;2,3,7,8-	1746-01-6		19/90;7/94	weight
tebuthiuron	34014-18-1	.0700	17/92;9/95	
temephos	3383-96-8	.0200	H95a;N19/95	
terbacil	5902-51-2	.0130	19/89;9/95	thyroid; hepatotoxicity
terbufos	13071-79-9	.0000	H95a;N19/95	ChE inhibition
terbutryn	886-50-0	.0010	19/88;9/95	hemotoxicity
tetrachlorobenzene;1,2,4,5-	95-94-3	.0003	13/91;9/95	nephrotoxicity
tetrachloroethane;1,1,1,2-	630-20-6	.0300	18/90;9/95	nephrotoxicity
tetrachloroethane;1,1,2,2-	79-34-5		H95a;N19/95	
tetrachloroethylene	127-18-4	.0100	13/88;9/95	hepatotoxicity
tetrachlorophenol;2,3,4,6-	58-90-2	.0300	112/87;9/95	hepatotoxicity
tetrachlorotoluene;p,a,a,a,-	5216-25-1		H95a;N19/95	
tetrachlorvinphos	961-11-5	.0300	11/92;9/95	hepatotoxicity; nephrotoxicity; weight
tetraethyl dithiopyrophosphate	3689-24-5	.0005	12/95;9/95	hemotoxicity, neurotoxicity
tetraethyl lead	78-00-2	.0000	13/88;9/95	hepatotoxicity, thymus
tetrafluoroethane;1,1,1,2-	811-97-2		H95a;N101/96	

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Oral Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
thallic oxide	1314-32-5	.0001	H93a;N17/94	hepatotoxicity; hemotoxicity; alopecia
thallium acetate	563-68-8	.0001	19/90;9/95	hepatotoxicity; hemotoxicity
thallium carbonate	6533-73-9	.0001	19/90;9/95	hepatotoxicity; hemotoxicity
thallium chloride	7791-12-0	.0001	19/90;9/95	hepatotoxicity; hemotoxicity
thallium nitrate	10102-45-1	.0001	19/90;9/95	hepatotoxicity; hemotoxicity
thallium selenite	12039-52-0		H95a;N18/93	
thallium(I) sulfate	7446-18-6	.0001	19/90;9/95	
thallium, soluble salts	7440-28-0	.0001	H91a;N19/95	
thiobencarb	28249-77-6	.0100	11/92;9/95	weight
thiocyanomethylthiobenzothiazole;2-	21564-17-0	.0300	H95a;N19/95	gastrointestinal toxicity
thiofanox	39196-18-4	.0003	H95a;N19/95	decrease in cholinesterase activity
thiophanate-methyl	23564-05-8	.0800	11/92;9/95	weight; reproductive toxicity; thyroid
thiram	137-26-8	.0050	17/92;9/95	neurotoxicity
tin	7440-31-5	.6000	H95a;N19/95	hepatotoxicity, nephrotoxicity
tnt	118-96-7	.0005	12/93;9/95	hepatotoxicity
toluene	108-88-3	.2000	14/94;9/95	hepatotoxicity; nephrotoxicity; neurotoxicity
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5		H95a;N101/96	
toluenediamine;2,4-	95-80-7		H95a;N19/95	
toluenediamine;2,5-	95-70-5	.6000	H95a;N19/95	
toluenediamine;2,6-	823-40-5	.2000	H95a;N19/95	
toluidine;p-	106-49-0		H95a;N19/95	
toxaphene	8001-35-2		H95a;N19/95	
tp;2,4,5-	93-72-1	.0080	19/88;9/95	hepatotoxicity
tph	unavailable08		H95a;N19/95	
tph, diesel	unavailable09		H95a;N19/95	
tph, gasoline	unavailable10		H95a;N19/95	
tph, other	unavailable11		H95a;N19/95	
tralomethrin	66841-25-6	.0075	18/90;9/95	weight
triallate	2303-17-5	.0130	11/92;9/95	hepatotoxicity, spleen
triasulfuron	82097-50-5	.0100	11/91;9/95	
tribromobenzene;1,2,4-	615-54-3	.0050	16/93;9/95	hepatotoxicity
tributyltin oxide	56-35-9	.0000	19/93;9/95	immunotoxicity
trichloro-1,2,2-trifluoroethane;1,1,2-	76-13-1	30.0000	11/90;9/95	

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Oral Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
trichloroaniline hydrochloride;2,4,6-	33663-50-2		H95a;N19/95	
trichloroaniline;2,4,6-	634-93-5		H95a;N19/95	
trichlorobenzene;1,2,4-	120-82-1	.0100	15/92;9/95	hemotoxicity
trichloroethane;1,1,1-	71-55-6	.9000	H91a;N19/95	hepatotoxicity
trichloroethane;1,1,2-	79-00-5	.0040	12/95;9/95	
trichloroethylene	79-01-6		H95a;N19/95	
trichlorofluoromethane	75-69-4	.3000	18/92;9/95	mortality
trichlorophenol;2,4,5-	95-95-4	.1000	13/88;9/95	hepatotoxicity, nephrotoxicity
trichlorophenol;2,4,6-	88-06-2		H95a;N19/95	
trichlorophenoxyacetic acid;2,4,5-	93-76-5	.0100	16/89;9/95	mortality
trichloropropane;1,1,2-	598-77-6	.0050	19/88;9/95	hepatotoxicity, nephrotoxicity, thyroid
trichloropropane;1,2,3-	96-18-4	.0060	18/90;9/95	hemotoxicity, nephrotoxicity, hepatotoxicity
trichloropropene;1,2,3-	96-19-5	.0050	H95a;N19/95	ocular toxicity
tridiphane	58138-08-2	.0030	11/92;9/95	reproductive toxicity
triethylamine	121-44-8		H95a;N19/95	
trifluralin	1582-09-8	.0075	17/89;9/95	nephrotoxicity, hemotoxicity
trimethyl phosphate	512-56-1		H95a;N19/95	
trinitrobenzene;1,3,5-	99-35-4	.0001	12/95;9/95	spleen
trinitrophenylmethylnitramine	479-45-8	.0100	H95a;N19/95	hepatotoxicity, nephrotoxicity, spleen
uranium, soluble salts	unavailable12	.0030	110/89;9/95	weight; nephrotoxicity
vanadium	7440-62-2	.0070	H95a;N19/95	
vanadium pentoxide	1314-62-1	.0090	16/88;9/95	
vanadyl sulfate	27774-13-6	.0200	H91a;N19/95	
vernarn	1929-77-7	.0010	11/92;9/95	weight
vinclozolin	50471-44-8	.0250	11/92;9/95	weight
vinyl acetate	108-05-4	1.0000	H95a;N19/95	
vinyl chloride	75-01-4		H95a;N19/95	
warfarin	81-81-2	.0003	13/88;9/95	hemotoxicity
xylene	1330-20-7	2.0000	19/87;9/95	weight, mortality
xylene;m-	108-38-3	2.0000	H91a;N19/95	weight, mortality
xylene;o-	95-47-6	2.0000	H91a;N19/95	weight, mortality
zinc	7440-66-6	.3000	110/92;9/95	hemotoxicity
zinc cyanide	557-21-1	.0500	13/88;9/95	weight, thyroid, neurotoxicity

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Oral Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Reference Dose (mg/kg/day)	Reference	Toxic Effect Associated with the Reference Dose
zinc phosphide	1314-84-7	.0003	11/90;9/95	weight
zineb	12122-67-7	.0500	13/88;9/95	thyroid

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Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
acenaphthene	83-32-9		H95a;N12/96
acephate	30560-19-1		H95a;N12/96
acetaldehyde	75-07-0	.0025700	H95a;N12/96
acetochlor	34256-82-1		H95a;N12/96
acetone	67-64-1		H95a;N12/96
acetone cyanohydrin	75-86-5	.0400000	H95a;N12/96
acetonitrile	75-05-8	.0100000	H95a;N12/96
acetophenone	98-86-2	.0000050	H95a;N12/96
acifluorfen, sodium	62476-59-9		H95a;N12/96
acrolein	107-02-8	.0000057	H95a;N12/96
acrylamide	79-06-1		H95a;N12/96
acrylic acid	79-10-7	.0002857	H95a;N12/96
acrylonitrile	107-13-1	.0005700	H95a;N12/96
alachlor	15972-60-8		H95a;N12/96
alar	1596-84-5		H95a;N12/96
aldicarb	116-06-3		H95a;N12/96
aldicarb sulfone	1646-88-4		H95a;N12/96
aldrin	309-00-2		H95a;N12/96
ally	74223-64-6		H95a;N12/96
allyl alcohol	107-18-6		H95a;N12/96
allyl chloride	107-05-1	.0002900	H95a;N12/96
aluminum phosphide	20859-73-8		H95a;N12/96
andro	67485-29-4		H95a;N12/96
ametryn	834-12-8		H95a;N12/96
aminophenol;m-	591-27-5		H95a;N12/96
aminopyridine;4-	504-24-5		H95a;N12/96
amitraz	33089-61-1		H95a;N12/96
ammonia	7664-41-7		H95a;N12/96
ammonium sulfamate	7773-06-0		H95a;N12/96
aniline	62-53-3	.0002900	H95a;N12/96
anthracene	120-12-7		H95a;N12/96
antimony pentoxide	1314-60-9		H95a;N12/96
antimony potassium tartrate	28300-74-5		H95a;N12/96
antimony tetroxide	1332-81-6		H95a;N12/96
antimony trioxide	1309-64-4	.0000571	I9/95;01/96
apollo	74115-24-5		H95a;N12/96
aramite	140-57-8		H95a;N12/96
aroclor 1016	12674-11-2		H95a;N12/96
aroclor 1254	11097-69-1		H95a;N12/96
arsenic, inorganic	7440-38-2		H95a;N12/96
arsine	7784-42-1	.0000142	H95a;N12/96
asbestos	1332-21-4		H95a;N12/96
assure	76578-14-8		H95a;N12/96
asulam	3337-71-1		H95a;N12/96
atrazine	1912-24-9		H95a;N12/96
ivermectin B1	65195-55-3		H95a;N12/96
azobenzene	103-33-3		H95a;N12/96

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Inhalation Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
=====	=====	=====	=====
barium	7440-39-3	.0001000	H95a;NI2/96
barium cyanide	542-62-1		H95a;NI2/96
baygon	114-26-1		H95a;NI2/96
bayleton	43121-43-3		H95a;NI2/96
baythroid	68359-37-5		H95a;NI2/96
benefin	1861-40-1		H95a;NI2/96
benomyl	17804-35-2		H95a;NI2/96
bentazon	25057-89-0		H95a;NI2/96
benzaldehyde	100-52-7		H95a;NI2/96
benzene	71-43-2		H95a;NI2/96
benzenethiol	108-98-5		H95a;NI2/96
benzidine	92-87-5		H95a;NI2/96
benzo[a]anthracene	56-55-3		H95a;NI2/96
benzo[a]pyrene	50-32-8		H95a;NI2/96
benzo[b]fluoranthene	205-99-2		H95a;NI2/96
benzo[k]fluoranthene	207-08-9		H95a;NI2/96
benzoic acid	65-85-0		H95a;NI2/96
benzotrichloride	98-07-7		H95a;NI2/96
benzyl alcohol	100-51-6		H95a;NI2/96
benzyl chloride	100-44-7		H95a;NI2/96
beryllium	7440-41-7		H95a;NI2/96
beta-chloronaphthalene	91-58-7		H95a;NI2/96
bidrin	141-66-2		H95a;NI2/96
biphenthrin	82657-04-3		H95a;NI2/96
biphenyl;1,1-	92-52-4		H95a;NI2/96
bis(2-chloro-1-methyl-ethyl)ether	108-60-1		H95a;NI2/96
bis(2-chloroethyl)ether	111-44-4		H95a;NI2/96
bis(2-chloroisopropyl) ether	39638-32-9		H95a;NI2/96
bis(2-ethylhexyl) phthalate	117-81-7		H95a;NI2/96
bis(chloromethyl)ether	542-88-1		H95a;NI2/96
bisphenol a	80-05-7		H95a;NI2/96
boron	7440-42-8		H95a;NI2/96
Bromodichloromethane	75-27-4		H95a;NI2/96
bromoethene	593-60-2	.0008560	H95a;NI2/96
bromoform	75-25-2		H95a;NI2/96
bromomethane	74-83-9	.0014300	H95a;NI2/96
bromophos	2104-96-3		H95a;NI2/96
bromoxynil	1689-84-5		H95a;NI2/96
bromoxynil octanoate	1689-99-2		H95a;NI2/96
butadiene;1,3-	106-99-0		H95a;NI2/96
butanol;n-	71-36-3		H95a;NI2/96
butyl benzyl phthalate	85-68-7		H95a;NI2/96
butylate	2008-41-5		H95a;NI2/96
butylphthalyl butylglycolate	85-70-1		H95a;NI2/96
butyric acid;4-(2-methyl-4-chlorophenoxy)-	94-81-5		H95a;NI2/96
cacodylic acid	75-60-5		H95a;NI2/96
cadmium in soil (ignore water values for Method	7440-43-9a		H95a;NI2/96
cadmium in water (ignore soil values for Method	7440-43-9		H95a;NI2/96

Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
calcium cyanide	592-01-8		H95a;N12/96
caprolactam	105-60-2		H95a;N12/96
captafol	2425-06-1		H95a;N12/96
captan	133-06-2		H95a;N12/96
carbaryl	63-25-2		H95a;N12/96
carbazole	86-74-8		H95a;N12/96
carbofuran	1563-66-2		H95a;N12/96
carbon disulfide	75-15-0	.0028600	H95a;N12/96
carbon tetrachloride	56-23-5		H95a;N12/96
carbophenothion	786-19-6		H95a;N12/96
carbosulfan	55285-14-8		H95a;N12/96
carboxin	5234-68-4		H95a;N12/96
chloral	75-87-6		H95a;N12/96
chloramben	133-90-4		H95a;N12/96
chloranil	118-75-2		H95a;N12/96
chlordane	57-74-9		H95a;N12/96
chlorimuron-ethyl	90982-32-4		H95a;N12/96
chlorine	7782-50-5		H95a;N12/96
chlorine cyanide	506-77-4		H95a;N12/96
chlorine dioxide	10049-04-4	.0000600	H95a;N12/96
chlorite	7758-19-2		H95a;N101/96
chloro-1,3-butadiene;2-	126-99-8	.0400000	H95a;N12/96
chloro-2-methylaniline hydrochloride;4-	3165-93-3		H95a;N12/96
chloro-2-methylaniline;4-	95-69-2		H95a;N12/96
chloroacetic acid	79-11-8		H95a;N12/96
chloroacetophenone;2-	532-27-4	.0000086	H95a;N12/96
chloroaniline;p-	106-47-8		H95a;N12/96
chlorobenzene	108-90-7	.0050000	H95a;N12/96
chlorobenzilate	510-15-6		H95a;N12/96
chlorobenzoic acid;p-	74-11-3		H95a;N12/96
chlorobenzotrifluoride;4-	98-56-6		H95a;N12/96
chlorobutane;1-	109-69-3		H95a;N12/96
chloroform	67-66-3		H95a;N12/96
chloromethane	74-87-3		H95a;N12/96
chloromethyl methyl ether	107-30-2		H95a;N12/96
chloronitrobenzene;o-	88-73-3		H95a;N12/96
chloronitrobenzene;p-	100-00-5		H95a;N12/96
chlorophenol;2-	95-57-8		H95a;N12/96
chlorophenyl methyl sulfide;p-	123-09-1		H95a;N12/96
chlorophenyl methyl sulfone;p-	98-57-1		H95a;N12/96
chlorophenyl methyl sulfoxide;p-	934-73-6		H95a;N12/96
chloropropane;2-	75-29-6	.0290000	H95a;N12/96
chlorothalonil	1897-45-6		H95a;N12/96
chlorotoluene;o-	95-49-8		H95a;N12/96
chlorpropham	101-21-3		H95a;N12/96
chlorpyrifos	2921-88-2		H95a;N12/96
chlorpyrifos-methyl	5598-13-0		H95a;N12/96
chlorsulfuron	64902-72-3		H95a;N12/96

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Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
chlorthiophos	21923-23-9		H95a;N12/96
chromium (total)	7440-47-3		H95a;N12/96
chromium(III)	16065-83-1		H95a;N12/96
chromium(VI)	18540-29-9		H95a;N12/96
chrysene	218-01-9		H95a;N12/96
copper	7440-50-8		H95a;N12/96
copper cyanide	544-92-3		H95a;N12/96
creosote	8001-58-9		H95a;N12/96
cresol;m-	108-39-4		H95a;N12/96
cresol;o-	95-48-7		H95a;N12/96
cresol;p-	106-44-5		H95a;N12/96
crotonaldehyde	123-73-9		H95a;N12/96
cumene	98-82-8	.0026000	H95a;N12/96
cyanazine	21725-46-2		H95a;N12/96
cyanide	57-12-5		H95a;N12/96
cyanogen	460-19-5		H95a;N12/96
cyanogen bromide	506-68-3		H95a;N12/96
cyclohexanone	108-94-1		H95a;N12/96
cyclohexylamine	108-91-8		H95a;N12/96
cyclopentadiene	542-92-7		H95a;N12/96
cyhalothrin/karate	68085-85-8		H95a;N12/96
cypermethrin	52315-07-8		H95a;N12/96
cyromazine	66215-27-8		H95a;N12/96
dacthal	1861-32-1		H95a;N12/96
dalapon, sodium salt	75-99-0		H95a;N12/96
danitol	39515-41-8		H95a;N12/96
db;2,4-	94-82-6		H95a;N12/96
ddd	72-54-8		H95a;N12/96
dde	72-55-9		H95a;N12/96
ddt	50-29-3		H95a;N12/96
decabromodiphenyl ether	1163-19-5		H95a;N12/96
demeton	8065-48-3		H95a;N12/96
di(2-ethylhexyl)adipate	103-23-1		H95a;N12/96
di-butyl phthalate	84-74-2		H95a;N12/96
di-n-octyl phthalate	117-84-0		H95a;N12/96
diallate	2303-16-4		H95a;N12/96
diazinon	333-41-5		H95a;N12/96
dibenzo[a,h]anthracene	53-70-3		H95a;N12/96
dibenzofuran	132-64-9		H95a;N12/96
dibromo-3-chloropropane;1,2-	96-12-8	.0000600	H95a;N12/96
dibromobenzene;1,4-	106-37-6		H95a;N12/96
dibromochloromethane	124-48-1		H95a;N12/96
dibromoethane;1,2-	106-93-4	.0000571	H95a;N12/96
dicamba	1918-00-9		H95a;N12/96
dichloro-2-butene;1,4-	764-41-0		H95a;N12/96
dichlorobenzene;1,2-	95-50-1	.0400000	H95a;N12/96
dichlorobenzene;1,4-	106-46-7	.2286000	H95a;N12/96
dichlorobenzidine;3,3'	91-94-1		H95a;N12/96

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Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
dichlorodifluoromethane	75-71-8	.0500000	H95a;N12/96
dichloroethane;1,1-	75-34-3	.1000000	H95a;N12/96
dichloroethane;1,2-	107-06-2		H95a;N12/96
dichloroethylene;1,1-	75-35-4		H95a;N12/96
dichloroethylene;1,2-,cis	156-59-2		H95a;N12/96
dichloroethylene;1,2-,trans	156-60-5		H95a;N12/96
dichloromethane	75-09-2		H95a;N12/96
dichlorophenol;2,4-	120-83-2		H95a;N12/96
dichlorophenoxyacidic acid;2,4-	94-75-7		H95a;N12/96
dichloropropane;1,2-	78-87-5	.0011400	H95a;N12/96
dichloropropanol;2,3-	616-23-9		H95a;N12/96
dichloropropene;1,3-	542-75-6	.0057143	H95a;N12/96
dichlorvos	62-73-7	.0001429	H95a;N12/96
dicofol	115-32-2		H95a;N12/96
dicyclopentadiene	77-73-6	.0000600	H95a;N12/96
dieldrin	60-57-1		H95a;N12/96
diethyl phthalate	84-66-2		H95a;N12/96
diethyl-p-nitrophenylphosphate	311-45-5		H95a;N12/96
diethylene glycol	111-46-6		H95a;N12/96
diethylene glycol dinitrate	693-21-0		H95a;N12/96
diethylformamide	617-84-5		H95a;N12/96
diethylstilbesterol	56-53-1		H95a;N12/96
difenzoquat	43222-48-6		H95a;N12/96
diflubenzuron	35367-38-5		H95a;N12/96
difluoroethane;1,1-	75-37-6	11.4285714	H95a;N12/96
diisopropyl methylphosphonate	1445-75-6		H95a;N12/96
dimethipin	55290-64-7		H95a;N12/96
dimethoate	60-51-5		H95a;N12/96
dimethoxybenzidine;3,3'-	119-90-4		H95a;N12/96
dimethyl phthalate	131-11-3		H95a;N12/96
dimethyl terephthalate	120-61-6		H95a;N12/96
dimethylaniline hydrochloride;2,4-	21436-96-4		H95a;N12/96
dimethylaniline;2,4-	95-68-1		H95a;N12/96
dimethylaniline;N,N-	121-69-7		H95a;N12/96
dimethylbenzidine;3,3'-	119-93-7		H95a;N12/96
dimethylformamide;N,N-	68-12-2	.0085700	H95a;N12/96
dimethylhydrazine;1,1-	57-14-7		H95a;N12/96
dimethylhydrazine;1,2-	540-73-8		H95a;N12/96
dimethylphenol;2,4-	105-67-9		H95a;N12/96
dimethylphenol;2,6-	576-26-1		H95a;N12/96
dimethylphenol;3,4-	95-65-8		H95a;N12/96
dinitro-o-cyclohexyl phenol;4,6-	131-89-5		H95a;N12/96
dinitrobenzene;m-	99-65-0		H95a;N12/96
dinitrobenzene;o-	528-29-0		H95a;N12/96
dinitrobenzene;p-	100-25-4		H95a;N12/96
dinitrophenol;2,4-	51-28-5		H95a;N12/96
dinitrotoluene mixture 2,4-/2,6-	unavailable01		H95a;N12/96
dinitrotoluene;2,4-	121-14-2		H95a;N12/96

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Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
dinitrotoluene;2,6-	606-20-2		H95a;NI2/96
dinoseb	88-85-1		H95a;NI2/96
dioxane;1,4-	123-91-1		H95a;NI2/96
diphenamid	957-51-7		H95a;NI2/96
diphenylamine	122-39-4		H95a;NI2/96
diphenylhydrazine;1,2-	122-66-7		H95a;NI2/96
diquat	85-00-7		H95a;NI2/96
direct black 38	1937-37-7		H95a;NI2/96
direct blue 6	2602-46-2		H95a;NI2/96
direct brown 95	16071-86-6		H95a;NI2/96
disulfoton	298-04-4		H95a;NI2/96
dithiane;1,4-	505-29-3		H95a;NI2/96
diuron	330-54-1		H95a;NI2/96
dodine	2439-10-3		H95a;NI2/96
endosulfan	115-29-7		H95a;NI2/96
endothall	145-73-3		H95a;NI2/96
endrin	72-20-8		H95a;NI2/96
epichlorohydrin	106-89-8	.0002850	H95a;NI2/96
epoxybutane	106-88-7	.0057000	H95a;NI2/96
ethephon	16672-87-0		H95a;NI2/96
ethion	563-12-2		H95a;NI2/96
ethoxyethanol acetate;2-	111-15-9		H95a;NI2/96
ethoxyethanol;2-	110-80-5	.0571400	H95a;NI2/96
ethyl acetate	141-78-6		H95a;NI2/96
ethyl acrylate	140-88-5		H95a;NI2/96
ethyl chloride	75-00-3	2.8571400	H95a;NI2/96
ethyl dipropylthiocarbamate;S-	759-94-4		H95a;NI2/96
ethyl ether	60-29-7		H95a;NI2/96
ethyl methacrylate	97-63-2		H95a;NI2/96
ethyl p-nitrophenyl phenylphosphorothioate	2104-64-5		H95a;NI2/96
ethylbenzene	100-41-4	.2857100	H95a;NI2/96
ethylene cyanohydrin	109-78-4		H95a;NI2/96
ethylene diamine	107-15-3		H95a;NI2/96
ethylene glycol	107-21-1		H95a;NI2/96
ethylene oxide	75-21-8		H95a;NI01/96
ethylene thiourea	96-45-7		H95a;NI2/96
ethylphthalyl ethylglycolate	84-72-0		H95a;NI2/96
express	101200-48-0		H95a;NI2/96
fenamiphos	22224-92-6		H95a;NI2/96
fensulfothion	115-90-2		H95a;NI2/96
fluometuron	2164-17-2		H95a;NI2/96
fluoranthene	206-44-0		H95a;NI2/96
fluorene	86-73-7		H95a;NI2/96
fluorine, soluble fluoride	7782-41-4		H95a;NI2/96
fluridone	59756-60-4		H95a;NI2/96
flurprimidol	56425-91-3		H95a;NI2/96
flutolanil	66332-96-5		H95a;NI2/96
flualinate	69409-94-5		H95a;NI2/96

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Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
folpet	133-07-3		H95a;N12/96
fomesafen	72178-02-0		H95a;N12/96
fonfos	944-22-9		H95a;N12/96
formaldehyde	50-00-0		H95a;N12/96
formic acid	64-18-6		H95a;N12/96
fosetyl-al	39148-24-8		H95a;N12/96
furan	110-00-9		H95a;N12/96
furazolidone	67-45-8		H95a;N12/96
furfural	98-01-1	.0100000	H95a;N12/96
furium	531-82-8		H95a;N12/96
furmecyclox	60568-05-0		H95a;N12/96
glufosinate-ammonium	77182-82-2		H95a;N12/96
glycidaldehyde	765-34-4		H95a;N12/96
glyphosate	1071-83-6		H95a;N12/96
haloxyfop-methyl	69806-40-2		H95a;N12/96
harmony	79277-27-3		H95a;N12/96
heptachlor	76-44-8		H95a;N12/96
heptachlor epoxide	1024-57-3		H95a;N12/96
heptane;n-	142-82-5		H95a;N12/96
hexabromobenzene	87-82-1		H95a;N12/96
hexachloro-p-dioxin, mixture	19408-74-3		H95a;N12/96
hexachlorobenzene	118-74-1		H95a;N12/96
hexachlorobutadiene	87-68-3		H95a;N12/96
hexachlorocyclohexane;alpha	319-84-6		H95a;N12/96
hexachlorocyclohexane;beta-	319-85-7		H95a;N12/96
hexachlorocyclohexane;delta-	319-86-8		H95a;N12/96
hexachlorocyclohexane;technical	608-73-1		H95a;N12/96
hexachlorocyclopentadiene	77-47-4	.0000200	H95a;N12/96
hexachloroethane	67-72-1		H95a;N12/96
hexachlorophene	70-30-4		H95a;N12/96
hexamethylene diisocyanate;1,6-	822-06-0	.0000029	H95a;N12/96
hexane;n-	110-54-3	.0571400	H95a;N12/96
hexazinone	51235-04-2		H95a;N12/96
hydrazine/hydrazine sulfate	302-01-2		H95a;N12/96
hydrogen chloride	7647-01-0	.0020000	H95a;N12/96
hydrogen cyanide	74-90-8	.0008571	H95a;N12/96
hydrogen sulfide	7783-06-4	.0002600	H95a;N12/96
hydroquinone	123-31-9		H95a;N12/96
imazalil	35554-44-0		H95a;N12/96
imazaquin	81335-37-7		H95a;N12/96
indeno[1,2,3-cd]pyrene	193-39-5		H95a;N12/96
iprodione	36734-19-7		H95a;N12/96
isobutyl alcohol	78-83-1		H95a;N12/96
isophorone	78-59-1		H95a;N12/96
isopropalin	33820-53-0		H95a;N12/96
isopropyl methyl phosphonic acid	1832-54-8		H95a;N12/96
isoxaben	82558-50-7		H95a;N12/96
lactofen	77501-63-4		H95a;N12/96

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Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
lead	7439-92-1		H95a;N12/96
lead alkyls	unavailable02		H95a;N12/96
lindane	58-89-9		H95a;N12/96
linuron	330-55-2		H95a;N12/96
londax	83055-99-6		H95a;N12/96
malathion	121-75-5		H95a;N12/96
maleic anhydride	108-31-6		H95a;N12/96
maleic hydrazide	123-33-1		H95a;N12/96
malononitrile	109-77-3		H95a;N12/96
mancozeb	8018-01-7		H95a;N12/96
maneb	12427-38-2		H95a;N12/96
manganese	7439-96-5a	.0000143	H95a;N12/96
mephosfolan	950-10-7		H95a;N12/96
mepiquat chloride	24307-26-4		H95a;N12/96
mercuric chloride	7487-94-7		H95a;N12/96
mercury	7439-97-6	.0000857	H95a;N12/96
merphos	150-50-5		H95a;N12/96
merphos oxide	78-48-8		H95a;N12/96
metalaxyl	57837-19-1		H95a;N12/96
methacrylonitrile	126-98-7	.0002000	H95a;N12/96
methamidophos	10265-92-6		H95a;N12/96
methanol	67-56-1		H95a;N12/96
methidathion	950-37-8		H95a;N12/96
methomyl	16752-77-5		H95a;N12/96
methoxy-5-nitroaniline;2-	99-59-2		H95a;N12/96
methoxychlor	72-43-5		H95a;N12/96
methoxyethanol acetate;2-	110-49-6		H95a;N12/96
methoxyethanol;2-	109-86-4	.0057100	H95a;N12/96
methyl acetate	79-20-9		H95a;N12/96
methyl acrylate	96-33-3		H95a;N12/96
methyl ethyl ketone	78-93-3	.2857100	H95a;N12/96
methyl isobutyl ketone	108-10-1	.0200000	H95a;N12/96
methyl mercury	22967-92-6		H95a;N12/96
methyl methacrylate	80-62-6		H95a;N12/96
methyl parathion	298-00-0		H95a;N12/96
methyl styrene	25013-15-4	.0100000	H95a;N12/96
methyl styrene, alpha	98-83-9		H95a;N12/96
methyl tert-butyl ether	1634-04-4	.8571400	H95a;N12/96
methyl-4-chlorophenoxy-acetic acid;2-	94-74-6		H95a;N12/96
methyl-5-nitroaniline;2-	99-55-8		H95a;N12/96
methylaniline hydrochloride;2-	636-21-5		H95a;N12/96
methylaniline;2-	95-53-4		H95a;N12/96
methylene bis(2-chloroaniline);4,4'-	101-14-4		H95a;N12/96
methylene bis(n,n'-dimethyl)aniline;4,4'-	101-61-1		H95a;N12/96
methylene bromide	74-95-3		H95a;N12/96
methylene diphenyl isocyanate	101-68-8	.0000057	H95a;N12/96
methylenebisbenzenamine;4,4-	101-77-9		H95a;N12/96
methylhydrazine	60-34-4		H95a;N12/96

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Inhalation Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
metolachlor	51218-45-2		H95a;N12/96
metribuzin	21087-64-9		H95a;N12/96
mevinphos	7786-34-7		H95a;N12/96
mirex	2385-85-5		H95a;N12/96
molinate	2212-67-1		H95a;N12/96
molybdenum	7439-98-7		H95a;N12/96
monochloramine	10599-90-3		H95a;N12/96
monochlorobutanes	unavailable03		H95a;N12/96
naled	300-76-5		H95a;N12/96
naphthalene	91-20-3		H95a;N12/96
napropamide	15299-99-7		H95a;N12/96
nickel subsulfide	12035-72-2		H95a;N101/96
nickel, refinery dust	unavailable04		H95a;N12/96
nickel, soluble salts	7440-02-0		H95a;N12/96
nitrate	14797-55-8		H95a;N12/96
nitric oxide	10102-43-9		H95a;N12/96
nitrite	14797-65-0		H95a;N12/96
nitrobenzene	98-95-3		H95a;N12/96
nitrofurantoin	67-20-9		H95a;N12/96
nitrofurazone	59-87-0		H95a;N12/96
nitrogen dioxide	10102-44-0		H95a;N12/96
nitroguanidine	556-88-7		H95a;N12/96
nitropropane;2-	79-46-9	.0057100	H95a;N12/96
nitroso-N-methylethylamine;N-	10595-95-6		H95a;N12/96
nitroso-di-n-butylamine;N-	924-16-3		H95a;N12/96
nitroso-di-n-propylamine;N-	621-64-7		H95a;N12/96
nitroso-n-ethylurea;n-	759-73-9		H95a;N101/96
nitrosodiethanolamine;N-	1116-54-7		H95a;N12/96
nitrosodiethylamine;N-	55-18-5		H95a;N12/96
nitrosodimethylamine;N-	62-75-9		H95a;N12/96
nitrosodiphenylamine;N-	86-30-6		H95a;N12/96
nitrosopyrrolidine;N-	930-55-2		H95a;N12/96
nitrotoluenes;o-,m-,p-	1321-12-6		H95a;N12/96
norflurazon	27314-13-2		H95a;N12/96
nustar	85509-19-9		H95a;N12/96
octabromodiphenyl ether	32536-52-0		H95a;N12/96
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocin	2691-41-0		H95a;N12/96
octamethylpyrophosphoramidate	152-16-9		H95a;N12/96
oryzalin	19044-88-3		H95a;N12/96
oxadiazon	19666-30-9		H95a;N12/96
oxamyl	23135-22-0		H95a;N12/96
oxyfluorfen	42874-03-3		H95a;N12/96
paclobutrazol	76738-62-0		H95a;N12/96
pah	unavailable05		H95a;N12/96
paraquat	1910-42-5		H95a;N12/96
parathion	56-38-2		H95a;N12/96
pebulate	1114-71-2		H95a;N12/96
pendimethalin	40487-42-1		H95a;N12/96

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Inhalation Reference Dose Information
Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3		H95a;N12/96
pentabromodiphenyl ether	32534-81-9		H95a;N12/96
pentachlorobenzene	608-93-5		H95a;N12/96
pentachloronitrobenzene	82-68-8		H95a;N12/96
pentachlorophenol	87-86-5		H95a;N12/96
permethrin	52645-53-1		H95a;N12/96
perthane	72-56-0		H95a;N12/96
phenmedipham	13684-63-4		H95a;N12/96
phenol	108-95-2		H95a;N12/96
phenylenediamine;m-	108-45-2		H95a;N12/96
phenylenediamine;o-	95-54-5		H95a;N12/96
phenylmercuric acetate	62-38-4		H95a;N12/96
phenylphenol;2-	90-43-7		H95a;N12/96
phosmet	732-11-6		H95a;N12/96
phosphine	7803-51-2		H95a;N12/96
phosphorus	7723-14-0		H95a;N12/96
phthalic acid;p-	100-21-0		H95a;N12/96
phthalic anhydride	85-44-9		H95a;N12/96
picloram	1918-02-1		H95a;N12/96
pirimiphos-methyl	29232-93-7		H95a;N12/96
polybrominated biphenyls	unavailable06		H95a;N12/96
polychlorinated biphenyls	1336-36-3		H95a;N12/96
potassium cyanide	151-50-8		H95a;N12/96
potassium silver cyanide	506-61-6		H95a;N12/96
prochloraz	67747-09-5		H95a;N12/96
profluralin	26399-36-0		H95a;N12/96
prometon	1610-18-0		H95a;N12/96
prometryn	7287-19-6		H95a;N12/96
pronamide	23950-58-5		H95a;N12/96
propachlor	1918-16-7		H95a;N12/96
propanil	709-98-8		H95a;N12/96
propargite	2312-35-8		H95a;N12/96
propargyl alcohol	107-19-7		H95a;N12/96
propazine	139-40-2		H95a;N12/96
propham	122-42-9		H95a;N12/96
propiconazole	60207-90-1		H95a;N12/96
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2		H95a;N12/96
propylene glycol	57-55-6	2.0000000	H95a;N12/96
propylene glycol dinitrate;1,2-	6423-43-4		H95a;N12/96
propylene glycol monoethyl ether	52125-53-8		H95a;N12/96
propylene glycol monomethyl ether	107-98-2	.5714300	H95a;N12/96
propylene oxide	75-56-9	.0085714	H95a;N12/96
pursuit	81335-77-5		H95a;N12/96
pydrin	51630-58-1		H95a;N12/96
pyrene	129-00-0		H95a;N12/96
pyridine	110-86-1		H95a;N12/96
quinalphos	13593-03-8		H95a;N12/96
quinoline	91-22-5		H95a;N12/96

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Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
rdx	121-82-4		H95a;N12/96
refractory ceramic fibers	unavailable07		H95a;N12/96
resmethrin	10453-86-8		H95a;N12/96
ronnel	299-84-3		H95a;N12/96
rotenone	83-79-4		H95a;N12/96
savey	78587-05-0		H95a;N12/96
selenious acid	7783-00-8		H95a;N12/96
selenium and compounds	7782-49-2		H95a;N12/96
selenourea	630-10-4		H95a;N12/96
sethoxydim	74051-80-2		H95a;N12/96
silver	7440-22-4		H95a;N12/96
silver cyanide	506-64-9		H95a;N12/96
simazine	122-34-9		H95a;N12/96
sodium azide	26628-22-8		H95a;N12/96
sodium cyanide	143-33-9		H95a;N12/96
sodium diethyldithiocarbamate	148-18-5		H95a;N12/96
sodium fluoroacetate	62-74-8		H95a;N12/96
sodium metavanadate	13718-26-8		H95a;N12/96
strontium	7440-24-6		H95a;N12/96
strychnine	57-24-9		H95a;N12/96
styrene	100-42-5	.2857143	H95a;N12/96
systhane	88671-89-0		H95a;N12/96
tcdd;2,3,7,8-	1746-01-6		H95a;N12/96
tebuthiuron	34014-18-1		H95a;N12/96
temephos	3383-96-8		H95a;N12/96
terbacil	5902-51-2		H95a;N12/96
terbufos	13071-79-9		H95a;N12/96
terbutryn	886-50-0		H95a;N12/96
tetrachlorobenzene;1,2,4,5-	95-94-3		H95a;N12/96
tetrachloroethane;1,1,1,2-	630-20-6		H95a;N12/96
tetrachloroethane;1,1,2,2-	79-34-5		H95a;N12/96
tetrachloroethylene	127-18-4		H95a;N12/96
tetrachlorophenol;2,3,4,6-	58-90-2		H95a;N12/96
tetrachlorotoluene;p,a,a,a,-	5216-25-1		H95a;N12/96
tetrachlorvinphos	961-11-5		H95a;N12/96
tetraethyl dithiopyrophosphate	3689-24-5		H95a;N12/96
tetraethyl lead	78-00-2		H95a;N12/96
tetrafluoroethane;1,1,1,2-	811-97-2	22.9000000	19/95;01/96
thallic oxide	1314-32-5		H95a;N12/96
thallium acetate	563-68-8		H95a;N12/96
thallium carbonate	6533-73-9		H95a;N12/96
thallium chloride	7791-12-0		H95a;N12/96
thallium nitrate	10102-45-1		H95a;N12/96
thallium selenite	12039-52-0		H95a;N12/96
thallium(I) sulfate	7446-18-6		H95a;N12/96
thallium, soluble salts	7440-28-0		H95a;N12/96
thiobencarb	28249-77-6		H95a;N12/96
thiocyanomethylthiobenzothiazole;2-	21564-17-0		H95a;N12/96

AR 033938

Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
thiofanox	39196-18-4		H95a;NI2/96
thiophanate-methyl	23564-05-8		H95a;NI2/96
thiram	137-26-8		H95a;NI2/96
tin	7440-31-5		H95a;NI2/96
tnt	118-96-7		H95a;NI2/96
toluene	108-88-3	.1142900	H95a;NI2/96
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5	.0000200	I9/95;01/96
toluenediamine;2,4-	95-80-7		H95a;NI2/96
toluenediamine;2,5-	95-70-5		H95a;NI2/96
toluenediamine;2,6-	823-40-5		H95a;NI2/96
toluidine;p-	106-49-0		H95a;NI2/96
toxaphene	8001-35-2		H95a;NI2/96
tp;2,4,5-	93-72-1		H95a;NI2/96
tph	unavailable08		H95a;NI2/96
tph, diesel	unavailable09		H95a;NI2/96
tph, gasoline	unavailable10		H95a;NI2/96
tph, other	unavailable11		H95a;NI2/96
tralomethrin	66841-25-6		H95a;NI2/96
triallate	2303-17-5		H95a;NI2/96
triasulfuron	82097-50-5		H95a;NI2/96
tribromobenzene;1,2,4-	615-54-3		H95a;NI2/96
tributyltin oxide	56-35-9		H95a;NI2/96
trichloro-1,2,2-trifluoroethane;1,1,2-	76-13-1	8.5714000	H95a;NI2/96
trichloroaniline hydrochloride;2,4,6-	33663-50-2		H95a;NI2/96
trichloroaniline;2,4,6-	634-93-5		H95a;NI2/96
trichlorobenzene;1,2,4-	120-82-1	.0030000	H95a;NI2/96
trichloroethane;1,1,1-	71-55-6	3.0000000	H95a;NI2/96
trichloroethane;1,1,2-	79-00-5		H95a;NI2/96
trichloroethylene	79-01-6		H95a;NI2/96
trichlorofluoromethane	75-69-4	.2000000	H95a;NI2/96
trichlorophenol;2,4,5-	95-95-4		H95a;NI2/96
trichlorophenol;2,4,6-	88-06-2		H95a;NI2/96
trichlorophenoxyacetic acid;2,4,5-	93-76-5		H95a;NI2/96
trichloropropane;1,1,2-	598-77-6		H95a;NI2/96
trichloropropane;1,2,3-	96-18-4		H95a;NI2/96
trichloropropene;1,2,3-	96-19-5		H95a;NI2/96
tridiphane	58138-08-2		H95a;NI2/96
triethylamine	121-44-8	.0020000	H95a;NI2/96
trifluralin	1582-09-8		H95a;NI2/96
trimethyl phosphate	512-56-1		H95a;NI2/96
trinitrobenzene;1,3,5-	99-35-4		H95a;NI2/96
trinitrophenylmethylnitramine	479-45-8		H95a;NI2/96
uranium, soluble salts	unavailable12		H95a;NI2/96
vanadium	7440-62-2		H95a;NI2/96
vanadium pentoxide	1314-62-1		H95a;NI2/96
vanadyl sulfate	27774-13-6		H95a;NI2/96
vernam	1929-77-7		H95a;NI2/96
vinclozolin	50471-44-8		H95a;NI2/96

AR 033939

Inhalation Reference Dose Information

Data updated: 2/28/96

Chemical Name	CAS Number	Inhalation Reference Dose (mg/kg/day)	Reference
vinyl acetate	108-05-4	.0571400	H95a;NI2/96
vinyl chloride	75-01-4		H95a;NI2/96
warfarin	81-81-2		H95a;NI2/96
xylene	1330-20-7		H95a;NI2/96
xylene;m-	108-38-3	.2000000	H95a;NI2/96
xylene;o-	95-47-6	.2000000	H95a;NI2/96
zinc	7440-66-6		H95a;NI2/96
zinc cyanide	557-21-1		H95a;NI2/96
zinc phosphide	1314-84-7		H95a;NI2/96
zineb	12122-67-7		H95a;NI2/96

AR 033940

Ground Water ARARS and MTCA Values for Protecting Drinking Water
 Data updated: 2/28/96
 Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk	Hazard Quotient	Method	Method B	Method C	Method C	
	MCL	MCL	MCL	MCL	MCL	at the MCL	at the MCL	A	Carcinogen	N-Carcinogen	Carcinogen	N-Carcinogen
acnaphthene								NA	9.60e+002		2.10e+003	
acephate								NA	1.01e+001		1.01e+002	1.40e+002
acetaldehyde								NA				
acetochlor								NA	3.20e+002		7.00e+002	
acetone								NA	8.00e+002		1.75e+003	
acetone cyanohydrin								NA	1.28e+001		2.80e+001	
acetonitrile								NA	4.80e+001		1.05e+002	
acetophenone								NA	1.60e+003		3.50e+003	
acifluorfen, sodium								NA	2.11e+002		4.62e+002	
acrolein			0.00					NA	1.60e+002		3.50e+002	
acrylamide								NA	1.60e+000	9.72e-002	3.50e+000	
acrylic acid								NA	8.00e+003		1.75e+004	
acrylonitrile								NA	8.10e-002	8.10e-001	1.75e+001	
alachlor	2.00000		0.00			1.85e-006	1.25e-002	NA	1.08e+000	1.08e+001	3.50e+002	
alar								NA	2.40e+003		5.25e+003	
aldicarb	3.00000		1.00				1.88e-001	NA	1.60e+001		3.50e+001	
aldicarb sulfone	2.00000		1.00				1.25e-001	NA	1.60e+001		3.50e+001	
aldrin								NA	4.80e-001	5.15e-002	1.05e+000	
ally								NA	4.00e+003		8.75e+003	
allyl alcohol								NA	8.00e+001		1.75e+002	
allyl chloride								NA	8.00e+002		1.75e+003	
aluminum phosphide								NA	6.40e+000		1.40e+001	
amdro								NA	4.80e+000		1.05e+001	
ametryn								NA	1.44e+002		3.15e+002	
aminophenol;m-								NA	1.12e+003		2.45e+003	
aminopyridine;4-								NA	3.20e-001		7.00e-001	
amitraz								NA	4.00e+001		8.75e+001	
ammonia								NA	2.72e+005		5.95e+005	
ammonium sulfamate								NA	3.20e+003		7.00e+003	
aniline								NA	1.54e+001	1.54e+002		
anthracene								NA	4.80e+003		1.05e+004	

AR 033941

Ground Water ARARS and MICA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk	Hazard Quotient	Method	Method B	Method C	Method C
	MCL	MCL	MCL	MCL	MCL	at the MCL	at the MCL	A	Carcinogen	Carcinogen	N-Carcinogen
antimony pentoxide								NA	8.00e+000		1.75e+001
antimony potassium tartrate								NA	1.44e+001		3.15e+001
antimony tetroxide								NA	6.40e+000		1.40e+001
antimony trioxide								NA	6.40e+000		1.40e+001
apollo								NA	2.08e+002		4.55e+002
aramite								NA	3.50e+000	3.50e+001	1.75e+003
aroclor 1016								NA	1.12e+000		2.45e+000
aroclor 1254								NA	3.20e-001		7.00e-001
arsenic, inorganic	50.00000					8.57e-004	1.04e+001	5	5.83e-002	5.83e-001	1.05e+001
arsine											
asbestos								NA			
assure								NA	1.44e+002		3.15e+002
asulam								NA	8.00e+002		1.75e+003
atrazine	3.00000		3.00			7.54e-006	5.36e-003	NA	3.98e-001	3.98e+000	1.22e+003
avermectin B1								NA	6.40e+000	7.95e+000	1.40e+001
azobenzene								NA			
barium	2000.00000		2000.00				1.79e+000	NA	1.12e+003		2.45e+003
barium cyanide								NA	1.60e+003		3.50e+003
baygon								NA	6.40e+001		1.40e+002
bayleton								NA	4.80e+002		1.05e+003
baythroid								NA	4.00e+002		8.75e+002
benefin								NA	4.80e+003		1.05e+004
benomyl								NA	8.00e+002		1.75e+003
bentazon								NA	4.00e+001		8.75e+001
benzaldehyde								NA	1.60e+003		3.50e+003
benzene	5.00000		0.00			3.31e-006		5	1.51e+000	1.51e+001	
benzenethiol								NA	1.60e-001		3.50e-001
benzidine								NA	4.80e+001		1.05e+002
benzo[a]anthracene								NA	3.80e-004		
benzo[a]pyrene								NA	1.20e-002		1.20e-001
benzo[b]fluoranthene								NA	1.20e-002		1.20e-001
benzo[k]fluoranthene								NA	1.20e-002		1.20e-001

AR 033942

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
benzoic acid							NA	6.40e+004		6.73e-002	1.40e+005
benzotrichloride							NA	6.73e-003			
benzyl alcohol							NA	4.80e+003		2.57e+000	1.05e+004
benzyl chloride							NA	2.57e-001			
beryllium	4.00000		4.00			1.97e-004	NA	2.03e-002	8.00e+001	2.03e-001	1.75e+002
beta-chloronaphthalene						5.00e-002	NA	1.28e+003			2.80e+003
bidrin							NA	1.60e+000			3.50e+000
biphenrin							NA	2.40e+002			5.25e+002
biphenyl;1,1-							NA	8.00e+002			1.75e+003
bis(2-chloro-1-methyl-ethyl)ether							NA	1.25e+000		1.25e+001	
bis(2-chloroethyl)ether							NA	3.98e-002		3.98e-001	
bis(2-chloroisopropyl) ether							NA	3.20e+002	3.20e+002		7.00e+002
bis(2-ethylhexyl) phthalate	6.00000		0.00			9.60e-007	NA	6.25e+000	3.20e+002	6.25e+001	7.00e+002
bis(chloromethyl)ether						1.87e-002	NA	1.99e-004		1.99e-003	
bisphenol a							NA	8.00e+002			1.75e+003
boron							NA	1.44e+003			3.15e+003
bromodichloromethane							NA	7.06e-001	1.60e+002	7.06e+000	3.50e+002
bromoethene							NA				
bromoform							NA	5.54e+000	1.60e+002	5.54e+001	3.50e+002
bromomethane							NA	1.12e+001	1.12e+001		2.45e+001
bromophos							NA	8.00e+001	8.00e+001		1.75e+002
bromoxynil							NA	3.20e+002	3.20e+002		7.00e+002
bromoxynil octanoate							NA	3.20e+002	3.20e+002		7.00e+002
butadiene;1,3-							NA				
butanol;n-							NA	1.60e+003	1.60e+003		3.50e+003
butyl benzyl phthalate							NA	3.20e+003	3.20e+003		7.00e+003
butylate							NA	8.00e+002	8.00e+002		1.75e+003
butylphthalyl butylglycolate							NA	1.60e+004	1.60e+004		3.50e+004
butyric acid;4-(2-methyl-4-chlorophenoxy)-							NA	1.60e+002	1.60e+002		3.50e+002
cacodylic acid							NA	4.80e+001	4.80e+001		1.05e+002

AR 033943

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
						at the MCL					
cadmium in soil (ignore water values for Methods B and C)	5.00000		5.00			3.12e-001	5		1.60e+001		3.50e+001
cadmium in water (ignore soil values for Methods B and C)	5.00000		5.00			6.25e-001	5		8.00e+000		1.75e+001
calcium cyanide					NA		NA		6.40e+002		1.40e+003
caprolactam					NA		NA		8.00e+003		1.75e+004
captafol					NA		NA	1.02e+001	3.20e+001	1.02e+002	7.00e+001
captan					NA		NA	2.50e+001	2.08e+003	2.50e+002	4.55e+003
carbaryl					NA		NA		1.60e+003		3.50e+003
carbazole					NA		NA	4.37e+000		4.38e+001	
carbofuran	40.00000		40.00		NA	5.00e-001	NA		8.00e+001		1.75e+002
carbon disulfide					NA		NA		8.00e+002		1.75e+003
carbon tetrachloride	5.00000		0.00		NA	8.93e-001	NA	3.37e-001	5.60e+000	3.37e+000	1.22e+001
carbophenothion					NA	1.49e-005	NA		2.08e+000		4.55e+000
carbosulfan					NA		NA		1.60e+002		3.50e+002
carboxin					NA		NA		1.60e+003		3.50e+003
chloral					NA		NA		3.20e+001		7.00e+001
chloramben					NA		NA		2.40e+002		5.25e+002
chloranil					NA		NA	2.17e-001		2.17e+000	
chlorodane	2.00000		0.00		NA	2.97e-005	NA	6.73e-002	9.60e-001	6.73e-001	2.10e+000
chlorimuron-ethyl					NA	2.08e+000	NA		3.20e+002		7.00e+002
chlorine					NA		NA		1.60e+003		3.50e+003
chlorine cyanide					NA		NA		8.00e+002		1.75e+003
chlorine dioxide					NA		NA				
chlorite					NA		NA				
chloro-1,3-butadiene;2-					NA		NA	1.90e-001	3.20e+002		7.00e+002
chloro-2-methylaniline					NA		NA			1.51e+000	
hydrochloride;4-					NA		NA				
chloro-2-methylaniline;4-					NA		NA				
chloroacetic acid					NA		NA		3.20e+001		7.00e+001
chloroacetophenone;2-					NA		NA				
chloroaniline;p-					NA		NA		6.40e+001		1.40e+002

AR 033944

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk Hazard Quotient	Method	Method B	Method C	Method C
	MCL	MCL	MCL	MCL	MCL	at the MCL	A	Carcinogen	N-Carcinogen	N-Carcinogen
chlorobenzene	100.00000		100.00			6.25e-001	NA	1.60e+002	3.50e+002	3.50e+002
chlorobenzilate							NA	3.24e-001	3.24e+000	7.00e+002
chlorobenzoic acid;p-							NA	3.20e+003	7.00e+003	7.00e+003
chlorobenzotrifluoride;4-							NA	3.20e+002	7.00e+002	7.00e+002
chlorobutane;1-							NA	6.40e+003	1.40e+004	1.40e+004
chloroform							NA	7.17e+000	7.17e+001	1.75e+002
chloromethane							NA	3.37e+000	3.37e+001	
chloromethyl methyl ether							NA			
chloronitrobenzene;o-							NA	3.50e+000	3.50e+001	
chloronitrobenzene;p-							NA	4.86e+000	4.86e+001	
chlorophenol;2-							NA	8.00e+001	8.00e+001	1.75e+002
chlorophenyl methyl sulfide;p-							NA			
chlorophenyl methyl sulfone;p-							NA			
chlorophenyl methyl							NA			
sulfoxide;p-							NA			
chloropropane;2-							NA	7.95e+000	7.95e+001	5.25e+002
chlorothalonil							NA	1.60e+002	3.50e+002	3.50e+002
chlorotoluene;o-							NA	3.20e+003	7.00e+003	7.00e+003
chloroprotham							NA	4.80e+001	1.05e+002	1.05e+002
chlorpyrifos							NA	1.60e+002	3.50e+002	3.50e+002
chlorpyrifos-methyl							NA	8.00e+002	1.75e+003	1.75e+003
chlorosulfuron							NA	1.28e+001	2.80e+001	2.80e+001
chlorthiophos							NA			
chromium (total)	100.00000		100.00				50			
chromium(III)							50	1.60e+004	3.50e+004	3.50e+004
chromium(VI)							50	8.00e+001	1.75e+002	1.75e+002
chrysene							NA	1.20e-002	1.20e-001	
copper		1300.00					NA			
copper cyanide							NA	5.92e+002	1.30e+003	1.30e+003
creosote							NA	8.00e+001	1.75e+002	1.75e+002
cresol;m-							NA			
cresol;o-							NA	8.00e+002	1.75e+003	1.75e+003
							NA	8.00e+002	1.75e+003	1.75e+003

AR 033945

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
cresol;p-							NA	8.00e+001		4.61e-001	1.75e+002
crotonaldehyde							NA	4.61e-002			
cumene							NA	6.40e+002			1.40e+003
cyanazine							NA	1.04e-001		1.04e+000	7.00e+001
cyanide	200.00000		200.00			6.25e-001	NA	3.20e+002			7.00e+002
cytogen							NA	6.40e+002			1.40e+003
cytogen bromide							NA	1.44e+003			3.15e+003
cyclohexanone							NA	8.00e+004			1.75e+005
cyclohexylamine							NA	3.20e+003			7.00e+003
cyclopentadiene							NA	8.00e+001			1.75e+002
cyhalothrin/karate							NA	1.60e+002			3.50e+002
cypermethrin							NA	1.60e+002			1.05e+003
cyromazine							NA	4.80e+002			8.75e+002
dacthal							NA	4.00e+002			2.80e+002
dalapon, sodium salt	200.00000		200.00			4.17e-001	NA	1.28e+002			
danitol							NA	3.65e+001		3.65e+000	
db;2,4-							NA	2.57e-001		2.57e+000	
ddd							NA	2.57e-001		2.57e+000	
dde							.1	8.00e+000		8.00e+000	1.75e+001
ddt							NA	1.60e+002		1.60e+002	3.50e+002
decabromodiphenyl ether							NA	6.40e-001		6.40e+000	1.40e+000
demeton							NA	9.60e+003		7.29e+002	2.10e+004
di(2-ethylhexyl)adipate	400.00000		400.00			4.17e-002	NA	1.60e+003		1.60e+003	3.50e+003
di-butyl phthalate							NA	3.20e+002		3.20e+002	7.00e+002
di-n-octyl phthalate							NA	1.43e+000		1.43e+001	
diallate							NA	1.44e+001		1.44e+001	3.15e+001
diazinon							NA	1.20e-002		1.20e-001	
dibenz[a,h]anthracene							NA	3.12e-002		3.13e-001	
dibenzofuran	.20000		0.00			6.40e-006	NA	1.60e+002		1.60e+002	3.50e+002
dibromo-3-chloropropane;1,2-							NA	1.60e+002		1.60e+002	3.50e+002
dibromobenzene;1,4-							NA	5.21e-001		5.21e+000	
dibromochloromethane		100.00					NA				

AR 033946

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk at the MCL	Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method C Carcinogen	Method C N-Carcinogen
	MCL	MCL	MCL	MCL	MCL						
di-bromoethane;1,2-	.05000		0.00			9.71e-005		.01	5.15e-004	5.15e-003	1.05e+003
dicamba								NA	4.80e+002		
dichloro-2-butene;1,4-								NA			
dichlorobenzene;1,2-	600.00000		600.00			8.33e-001		NA	7.20e+002	1.82e+001	1.58e+003
dichlorobenzene;1,4-	75.00000		75.00			4.11e-005		NA	1.82e+000	1.94e+000	
dichlorobenzidine;3,3'-								NA	1.60e+003		3.50e+003
dichlorodifluoromethane								NA	8.00e+002		1.75e+003
dichloroethane;1,1-								NA	4.81e-001	4.81e+000	
dichloroethane;1,2-	5.00000		0.00			1.04e-005		5	7.20e+001	7.29e-001	1.58e+002
dichloroethylene;1,1-	7.00000		7.00			9.60e-005		NA	8.00e+001		1.75e+002
dichloroethylene;1,2-,cis	70.00000		70.00					NA	1.60e+002		3.50e+002
dichloroethylene;1,2-,trans	100.00000		100.00					NA	4.80e+002	5.83e+001	1.05e+003
dichloromethane	5.00000		0.00			8.57e-007		5	4.80e+001		1.05e+002
dichlorophenol;2,4-								NA	1.60e+002	6.43e+000	3.50e+002
dichlorophenoxyacidic acid;2,4-	70.00000		70.00			4.38e-001		NA			
dichloropropane;1,2-	5.00000		0.00			7.77e-006		NA	6.43e-001		
dichloropropanol;2,3-								NA	4.80e+001		1.05e+002
dichloropropene;1,3-								NA	2.43e-001	2.43e+000	5.25e+000
dichlorvos								NA	3.01e-001	3.01e+000	1.75e+001
dicofof								NA			
dicyclopentadiene								NA	4.80e+002		1.05e+003
dieldrin								NA	8.00e-001	5.47e-002	1.75e+000
diethyl phthalate								NA	1.28e+004		2.80e+004
diethyl-p-nitrophenylphosphate								NA	3.20e+004		7.00e+004
diethylene glycol								NA			
diethylene glycol dinitrate								NA	1.76e+002		3.85e+002
diethylformamide								NA			
diethylstilbesterol								NA	1.86e-005	1.86e-004	2.80e+003
difenzoquat								NA			7.00e+002
diflubenzuron								NA	1.28e+003		
difluoroethane;1,1-								NA	3.20e+002		
diisopropyl methylphosphonate								NA	1.28e+003		2.80e+003

AR 033947

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
dimethipin							NA		3.20e+002		7.00e+002
dimethoate							NA		3.20e+000		7.00e+000
dimethoxybenzidine;3,3'							NA	6.25e+000		6.25e+001	
dimethyl phthalate							NA		1.60e+004		3.50e+004
dimethyl terephthalate							NA		1.60e+003		3.50e+003
dimethylaniiline							NA	1.51e-001		1.51e+000	
hydrochloride;2,4-							NA				
dimethylaniiline;2,4-							NA	1.17e-001		1.17e+000	
dimethylaniiline;N,N-							NA	1.90e+000	3.20e+001	1.90e+001	7.00e+001
dimethylbenzidine;3,3'							NA	9.51e-003		9.51e-002	
dimethylformamide;N,N-							NA		1.60e+003		3.50e+003
dimethylhydrazine;1,1-							NA	3.37e-002		3.37e-001	
dimethylhydrazine;1,2-							NA				
dimethylphenol;2,4-							NA		3.20e+002		7.00e+002
dimethylphenol;2,6-							NA		9.60e+000		2.10e+001
dimethylphenol;3,4-							NA		1.60e+001		3.50e+001
dinitro-o-cyclohexyl							NA		3.20e+001		7.00e+001
phenol;4,6-							NA				
dinitrobenzene;m-							NA		1.60e+000		3.50e+000
dinitrobenzene;o-							NA		6.40e+000		1.40e+001
dinitrobenzene;p-							NA		6.40e+000		1.40e+001
dinitrophenol;2,4-							NA		3.20e+001		7.00e+001
dinitrotoluene mixture 2,4-							NA	1.29e-001		1.29e+000	
/2,6-							NA				
dinitrotoluene;2,4-							NA		3.20e+001		7.00e+001
dinitrotoluene;2,6-							NA		1.60e+001		3.50e+001
dinoseb	7.00000		7.00			4.38e-001	NA		1.60e+001	7.95e+001	3.50e+001
dioxane;1,4-							NA	7.95e+000			
diphenamid							NA		4.80e+002		1.05e+003
diphenylamine							NA		4.00e+002		8.75e+002
diphenylhydrazine;1,2-							NA	1.09e-001		1.09e+000	
diquat	20.00000		20.00			5.68e-001	NA		3.52e+001		7.70e+001

AR 033948

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk at the MCL	Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
direct black 38								NA	1.02e-002		1.02e-001	
direct blue 6								NA	1.08e-002		1.08e-001	
direct brown 95								NA	9.41e-003		9.41e-002	
disulfoton								NA	6.40e-001	6.40e-001		1.40e+000
dithiane;1,4-								NA	1.60e+002	1.60e+002		3.50e+002
diuron								NA	3.20e+001	3.20e+001		7.00e+001
dodine								NA	6.40e+001	6.40e+001		1.40e+002
endosulfan								NA	9.60e+001	9.60e+001		2.10e+002
endothall	100.00000		100.00			3.12e-001		NA	3.20e+002	3.20e+002		7.00e+002
endrin	2.00000		2.00			4.17e-001		NA	4.80e+000	4.80e+000		1.05e+001
epichlorohydrin			0.00					NA	8.84e+000		8.84e+001	
epoxybutane								NA				
ethephon								NA	8.00e+001	8.00e+001		1.75e+002
ethion								NA	8.00e+000	8.00e+000		1.75e+001
ethoxyethanol acetate;2-								NA	4.80e+003	4.80e+003		1.05e+004
ethoxyethanol;2-								NA	6.40e+003	6.40e+003		1.40e+004
ethyl acetate								NA	1.44e+004	1.44e+004		3.15e+004
ethyl acrylate								NA	1.82e+000		1.82e+001	
ethyl chloride								NA				
ethyl dipropylthiocarbamate;S-								NA				
ethyl ether								NA				
ethyl methacrylate								NA	4.00e+002	4.00e+002		8.75e+002
ethyl p-nitrophenyl								NA	1.60e+003	1.60e+003		3.50e+003
ethyl phosphorothioate								NA	7.20e+002	7.20e+002		1.58e+003
ethyl phosphorothioate								NA	1.60e-001	1.60e-001		3.50e-001
ethylbenzene	700.00000		700.00			8.75e-001		30	8.00e+002	8.00e+002		1.75e+003
ethylene cyanohydrin								NA	4.80e+003	4.80e+003		1.05e+004
ethylene diamine								NA	3.20e+002	3.20e+002		7.00e+002
ethylene glycol								NA	3.20e+004	3.20e+004		7.00e+004
ethylene oxide								NA	4.29e-002	4.29e-002		4.29e-001
ethylene thiourea								NA	7.95e-001	7.95e-001		7.95e+000
ethylphthalyl ethylglycolate express								NA	4.80e+004	4.80e+004		1.05e+005
								NA	1.28e+002	1.28e+002		2.80e+002

AR 033949

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk at the MCL	Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
fenamiphos								NA	4.00e+000	4.00e+000		8.75e+000
fensulfothion								NA	4.00e+000	4.00e+000		8.75e+000
fluometuron								NA	2.08e+002	2.08e+002		4.55e+002
fluoranthene								NA	6.40e+002	6.40e+002		1.40e+003
fluorene								NA	6.40e+002	6.40e+002		1.40e+003
fluorine, soluble fluoride	4000.00000		4000.00			4.17e+000		NA	9.60e+002	9.60e+002		2.10e+003
fluridone								NA	1.28e+003	1.28e+003		2.80e+003
flurprimidol								NA	3.20e+002	3.20e+002		7.00e+002
flutolanil								NA	9.60e+002	9.60e+002		2.10e+003
fluvalinate								NA	1.60e+002	1.60e+002		3.50e+002
folpet								NA	2.50e+001	2.50e+001		3.50e+003
fomesafen								NA	4.61e-001	4.61e+000		7.00e+001
fonfos								NA	3.20e+001	3.20e+001		7.00e+001
formaldehyde								NA	1.46e+000	1.46e+000		3.50e+003
formic acid								NA	3.20e+004	3.20e+004		7.00e+004
fosetyl-al								NA	4.80e+004	4.80e+004		1.05e+005
furan								NA	1.60e+001	1.60e+001		3.50e+001
furazolidone								NA	2.30e-002	2.30e-001		1.05e+002
furfural								NA	4.80e+001	4.80e+001		1.05e+002
furium								NA	1.75e-003	1.75e-002		1.05e+002
furmecycloz								NA	2.92e+000	2.92e+001		1.05e+002
glufosinate-ammonium								NA				
glycidaldehyde								NA	6.40e+000	6.40e+000		1.40e+001
glyphosate	700.00000		700.00			4.38e-001		NA	6.40e+000	6.40e+000		1.40e+001
haloxyfop-methyl								NA	1.60e+003	1.60e+003		3.50e+003
harmony								NA	8.00e-001	8.00e-001		1.75e+000
heptachlor	.40000		0.00			2.06e-005		NA	2.08e+002	2.08e+002		4.55e+002
heptachlor epoxide	.20000		0.00			2.08e-005		NA	8.00e+000	8.00e+000		1.75e+001
heptane;n-								NA	9.62e-003	9.62e-001		4.55e-001
hexabromobenzene								NA	3.20e+001	3.20e+001		7.00e+001
hexachloro-p-dioxin, mixture								NA	1.41e-005	1.41e-004		7.00e+001
hexachlorobenzene	1.00000		0.00			1.83e-005	7.81e-002	NA	5.47e-002	1.28e+001		2.80e+001

AR 033950

Ground Water ARARs and MTC Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
hexachlorobutadiene							NA	5.61e-001	1.60e+000	5.61e+000	3.50e+000
hexachlorocyclohexane;alpha							NA	1.39e-002		1.39e-001	
hexachlorocyclohexane;beta-							NA	4.86e-002		4.86e-001	
hexachlorocyclohexane;delta-							NA				
hexachlorocyclohexane;technical						4.46e-001	NA	4.86e-002	1.12e+002	4.86e-001	2.45e+002
hexachlorocyclopentadiene	50.00000		50.00				NA	6.25e+000	1.60e+001	6.25e+001	3.50e+001
hexachloroethane							NA	4.80e+000			1.05e+001
hexachlorophene							NA				
hexamethylene diisocyanate;1,6-							NA				1.05e+003
hexane;n-							NA				
hexazinone							NA	1.46e-002	5.28e+002	1.46e-001	1.16e+003
hydrazine/hydrazine sulfate							NA				
hydrogen chloride		200.00					NA				
hydrogen cyanide							NA	3.20e+002			7.00e+002
hydrogen sulfide							NA	2.40e+001			5.25e+001
hydroquinone							NA	6.40e+002			1.40e+003
imazalil							NA	2.08e+002			4.55e+002
imazaquin							NA	4.00e+003			8.75e+003
indeno[1,2,3-cd]pyrene							NA	1.20e-002		1.20e-001	
iprodione							NA		6.40e+002		1.40e+003
isobutyl alcohol							NA	4.80e+003			1.05e+004
isophorone							NA	9.21e+001	3.20e+003	9.21e+002	7.00e+003
isopropalin							NA	2.40e+002			5.25e+002
isopropyl methyl phosphonic acid							NA	1.60e+003			3.50e+003
isoxaben							NA		8.00e+002		1.75e+003
lactofen							NA	3.20e+001			7.00e+001
lead			0.00				5				
lead alkyls							NA		1.60e-003		3.50e-003
lindane						4.17e-002	.2	6.73e-002	4.80e+000	6.73e-001	1.05e+001
linuron	.20000						NA		3.20e+001		7.00e+001
londax							NA		3.20e+003		7.00e+003

AR 033951

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk Hazard Quotient	Method	Method B	Method B	Method C	Method C
	MCL	MCL	MCL	MCL	MCL	at the MCL at the MCL	A	Carcinogen	N-Carcinogen	Carcinogen	N-Carcinogen
malathion							NA	3.20e+002			7.00e+002
maleic anhydride							NA	1.60e+003			3.50e+003
maleic hydrazide							NA	8.00e+003			1.75e+004
malononitrile							NA	3.20e-001			7.00e-001
mancozeb							NA	4.80e+002			1.05e+003
maneb							NA	8.00e+001			1.75e+002
manganese							NA	2.24e+003			4.90e+003
mepfosfolan							NA	1.44e+000			3.15e+000
mepiquat chloride							NA	4.80e+002			1.05e+003
mercuric chloride							NA	4.80e+000			1.05e+001
mercury	2.00000		2.00			4.17e-001	2	4.80e+000			1.05e+001
merphos							NA	4.80e-001			1.05e+000
merphos oxide							NA	4.80e-001			1.05e+000
metalaxyl							NA	9.60e+002			2.10e+003
methacrylonitrile							NA	1.60e+000			3.50e+000
methamidophos							NA	8.00e-001			1.75e+000
methanol							NA	4.00e+003			8.75e+003
methidathion							NA	1.60e+001			3.50e+001
methomyl							NA	4.00e+002			8.75e+002
methoxy-5-nitroaniline;2-							NA	1.90e+000		1.90e+001	
methoxychlor	40.00000		40.00			5.00e-001	NA	8.00e+001			1.75e+002
methoxyethanol acetate;2-							NA	3.20e+001			7.00e+001
methoxyethanol;2-							NA	6.40e+001			1.40e+002
methyl acetate							NA	8.00e+003			1.75e+004
methyl acrylate							NA	4.80e+002			1.05e+003
methyl ethyl ketone							NA	4.80e+003			1.05e+004
methyl isobutyl ketone							NA	6.40e+002			1.40e+003
methyl mercury							NA	1.60e+000			3.50e+000
methyl methacrylate							NA	6.40e+002			1.40e+003
methyl parathion							NA	4.00e+000			8.75e+000
methyl styrene							NA	9.60e+001			2.10e+002
methyl styrene, alpha							NA	1.12e+003			2.45e+003

AR 033952

Ground Water ARARs and MTCA Values for Protecting Drinking Water
 Data updated: 2/28/96
 Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
methyl tert-butyl ether							NA				1.75e+001
methyl-4-chlorophenoxy-acetic acid;2-							NA	8.00e+000			
methyl-5-nitroaniline;2-							NA	2.65e+000		2.65e+001	
methylaniline hydrochloride;2-							NA	4.86e-001		4.86e+000	
methylaniline;2-							NA	3.65e-001		3.65e+000	
methylene bis(2-chloroaniline);4,4'-							NA	6.73e-001	1.12e+001	6.73e+000	2.45e+001
methylene bis(n,n'-dimethyl)aniline;4,4'-							NA	1.90e+000		1.90e+001	
methylene bromide							NA	8.00e+001			1.75e+002
methylene diphenyl isocyanate							NA				
methylenebisbenzenamine;4,4'-							NA	7.95e-002		7.95e-001	
methylhydrazine							NA				
metolachlor							NA	2.40e+003			5.25e+003
metribuzin							NA	4.00e+002			8.75e+002
mevinphos							NA	4.00e+000			8.75e+000
mirex							NA	4.86e-002	3.20e+000	4.86e-001	7.00e+000
molinate							NA	3.20e+001			7.00e+001
molybdenum							NA	8.00e+001			1.75e+002
monochloramine							NA	1.60e+003			3.50e+003
monochlorobutanes							NA	6.40e+003			1.40e+004
naled							NA	3.20e+001			7.00e+001
naphthalene							NA	3.20e+002			7.00e+002
napropamide							NA	1.60e+003			3.50e+003
nickel subsulfide							NA	6.40e+003			1.40e+004
nickel, refinery dust						3.12e-001	NA				
nickel, soluble salts			100.00			3.91e-001	NA				
nitrate	100.00000		10000.00				NA				
nitric oxide							NA				
nitrite	1000.00000		1000.00			6.25e-001	NA				
nitrobenzene							NA				

AR 033953

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk Hazard Quotient	Method	Method B	Method C	Method C
	MCL	MCL	MCL	MCL	MCL	at the MCL at the MCL	A	Carcinogen N-Carcinogen	Carcinogen	N-Carcinogen
nitrofurantoin							NA	1.12e+003		2.45e+003
nitrofurazone							NA	5.83e-002	5.83e-001	
nitrogen dioxide							NA			
nitroguanidine							NA	1.60e+003		3.50e+003
nitropropane;2-							NA	4.61e-003	4.61e-002	
nitroso-N-methylethylamine;N-							NA	3.98e-003	3.98e-002	
nitroso-di-n-butylamine;N-							NA	1.62e-002	1.62e-001	
nitroso-di-n-propylamine;N-							NA	1.25e-002	1.25e-001	
nitroso-n-ethylurea;n-							NA	6.16e-004	6.16e-003	
nitrosodiethanolamine;N-							NA	3.12e-002	3.13e-001	
nitrosodimethylamine;N-							NA	5.83e-004	5.83e-003	
nitrosodimethylamine;N-							NA	1.72e-003	1.72e-002	
nitrosodiphenylamine;N-							NA	1.79e+001	1.79e+002	
nitrosopyrrolidine;N-							NA	4.17e-002	4.17e-001	
nitrotoluenes;o-,m-,p-							NA			3.50e+002
norflurazon							NA	1.60e+002		1.40e+003
nustar							NA	6.40e+002		2.45e+001
octabromodiphenyl ether							NA	1.12e+001		1.05e+002
octahydro-1,3,5,7-tetranitro-							NA	4.80e+001		1.75e+003
1,3,5,7-tetrazocine							NA	8.00e+002		
octamethylpyrophosphoramide							NA			7.00e+001
oryzalin							NA	3.20e+001		1.75e+003
oxadiazon							NA	8.00e+002		1.75e+002
oxamyl							NA	8.00e+001		8.75e+002
oxyfluorfen							NA	4.00e+002		1.05e+002
paclobutrazol							NA	4.80e+001		4.55e+002
pah							NA	2.08e+002	1.20e-001	
paraquat							.1	1.20e-002		
parathion							NA	7.20e+001		1.58e+002
pebulate							NA	9.60e+001		2.10e+002
pendimethalin							NA	8.00e+002		1.75e+003
pentabromo-6-chloro-							NA	6.40e+002		1.40e+003
cyclohexane;1,2,3,4,5-							NA	3.80e+000	3.80e+001	

AR 033954

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk	Hazard	Quotient	Method	Method B	Method C	Method C
	MCL	MCL	MCL	MCL	MCL	at the MCL	at the MCL	A	Carcinogen	N-Carcinogen	Carcinogen	N-Carcinogen
pentabromodiphenyl ether								NA	3.20e+001			7.00e+001
pentachlorobenzene								NA	1.28e+001			2.80e+001
pentachloronitrobenzene								NA	3.37e-001	3.37e+000		1.05e+002
pentachlorophenol	1.00000		0.00			1.37e-006	2.08e-003	NA	7.29e-001	7.29e+000		1.05e+003
permethrin								NA	8.00e+002			1.75e+003
perthane								NA	4.80e+001	2.65e+003		1.05e+002
phenmedipham								NA	4.00e+003			8.75e+003
phenol								NA	9.60e+003			2.10e+004
phenylenediamine;m-								NA	9.60e+001			2.10e+002
phenylenediamine;o-								NA	1.86e+000	1.86e+001		
phenylmercuric acetate								NA	1.28e+000			2.80e+000
phenylphenol;2-								NA	4.61e+001	4.61e+002		
phosmet								NA	3.20e+002			7.00e+002
phosphine								NA	4.80e+000			1.05e+001
phosphorus								NA	3.20e-001			7.00e-001
phthalic acid;p-								NA	1.60e+004			3.50e+004
phthalic anhydride							4.46e-001	NA	3.20e+004			7.00e+004
picloram	500.00000		500.00					NA	1.12e+003			2.45e+003
pirimiphos-methyl								NA	1.60e+002			3.50e+002
polybrominated biphenyls								NA	9.83e-003	9.83e-002		2.45e-001
polychlorinated biphenyls	.50000		0.00			4.40e-005		.1	1.14e-002	1.14e-001		
potassium cyanide								NA	8.00e+002			1.75e+003
potassium silver cyanide								NA	3.20e+003			7.00e+003
prochloraz								NA	1.44e+002	5.83e+001		3.15e+002
profluralin								NA	9.60e+001			2.10e+002
prometon								NA	2.40e+002			5.25e+002
prometryn								NA	6.40e+001			1.40e+002
pronamide								NA	1.20e+003			2.62e+003
propachlor								NA	2.08e+002			4.55e+002
propanil								NA	8.00e+001			1.75e+002
propargite								NA	3.20e+002			7.00e+002
propargyl alcohol								NA	3.20e+001			7.00e+001

AR 033955

Ground Water ARARs and MTCA Values for Protecting Drinking Water
 Data updated: 2/28/96
 Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
propazine							NA	3.20e+002			7.00e+002
propham							NA	3.20e+002			7.00e+002
propiconazole							NA	2.08e+002			4.55e+002
propionic acid;(2-methyl-4-chlorophenoxy)2-							NA	1.60e+001			3.50e+001
propylene glycol							NA	3.20e+005			7.00e+005
propylene glycol dinitrate;1,2-							NA	1.12e+004			2.45e+004
propylene glycol monoethyl ether							NA	1.12e+004			2.45e+004
propylene glycol monomethyl ether							NA	1.12e+004			2.45e+004
propylene oxide							NA	1.82e-001		1.82e+000	
pursuit							NA	4.00e+003			8.75e+003
pydrin							NA	4.00e+002			8.75e+002
pyrene							NA	4.80e+002			1.05e+003
pyridine							NA	1.60e+001			3.50e+001
quinatphos							NA	8.00e+000			1.75e+001
quinoline							NA	7.29e-003		7.29e-002	
rdx							NA	7.95e-001		7.95e+000	
refractory ceramic fibers							NA				1.05e+002
resmethrin							NA	4.80e+002			1.05e+003
ronnel							NA	8.00e+002			1.75e+003
rotenone							NA	6.40e+001			1.40e+002
savay							NA	4.00e+002			8.75e+002
selenious acid			50.00			6.25e-001	NA	8.00e+001			1.75e+002
selenium and compounds							NA	8.00e+001			1.75e+002
selenourea							NA	8.00e+001			1.75e+002
sethoxydim							NA	1.44e+003			3.15e+003
silver							NA	8.00e+001			1.75e+002
silver cyanide			4.00			5.49e-006	NA	1.60e+003			3.50e+003
simazine						5.00e-002	NA	8.00e+001		7.29e+000	1.75e+002
sodium azide							NA	6.40e+001			1.40e+002

AR 033956

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal	Proposed	MCL goal	Secondary	State	Cancer Risk	Hazard	Quotient	Method	Method B	Method C	Method C	
	MCL	MCL	MCL	MCL	MCL	at the MCL	at the MCL	at the MCL	A	Carcinogen	N-Carcinogen	Carcinogen	N-Carcinogen
sodium cyanide									NA	6.40e+002			1.40e+003
sodium diethyldithiocarbamate									NA	3.24e-001		3.24e+000	1.05e+003
sodium fluoroacetate									NA	3.20e-001			7.00e-001
sodium metavanadate									NA	1.60e+001			3.50e+001
strontium									NA	9.60e+003			2.10e+004
strychnine									NA	4.80e+000			1.05e+001
styrene	100.00000		100.00			6.86e-005	6.25e-002		NA	1.60e+000		1.46e+001	3.50e+003
systhane									NA	4.00e+002			8.75e+002
tcdd;2,3,7,8-	.00003		0.00			5.14e-005			NA	5.83e-007		5.83e-006	
tebuthiuron									NA	1.12e+003			2.45e+003
temephos									NA	3.20e+002			7.00e+002
terbacil									NA	2.08e+002			4.55e+002
terbufos									NA	4.00e-001			8.75e-001
terbutryn									NA	1.60e+001			3.50e+001
tetrachlorobenzene;1,2,4,5-									NA	4.80e+000			1.05e+001
tetrachloroethane;1,1,1,2-									NA	2.40e+002		1.68e+001	5.25e+002
tetrachloroethane;1,1,2,2-									NA	2.19e-001		2.19e+000	
tetrachloroethylene									NA	8.58e-001		8.58e+000	
tetrachlorophenol;2,3,4,6-	5.00000		0.00			5.83e-006	6.25e-002		5				1.75e+002
tetrachlorotoluene;p,a,a,-									NA	4.80e+002			1.05e+003
tetrachlorovinphos									NA	4.37e-003		4.38e-002	
tetraethyl dithiopyrophosphate									NA	3.65e+000		3.65e+001	1.05e+003
tetraethyl lead									NA	8.00e+000			1.75e+001
tetrafluoroethane;1,1,1,2-									NA	1.60e-003			3.50e-003
thalllic oxide									NA	1.12e+000			2.45e+000
thallium acetate									NA	1.44e+000			3.15e+000
thallium carbonate									NA	1.28e+000			2.80e+000
thallium chloride									NA	1.28e+000			2.80e+000
thallium nitrate									NA	1.44e+000			3.15e+000
thallium selenite									NA	1.28e+000			2.80e+000
thallium(I) sulfate									NA	1.12e+000			2.45e+000
thallium, soluble salts	2.00000		.50				1.79e+000		NA	1.28e+000			2.80e+000
									NA	1.12e+000			2.45e+000

AR 033957

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
thiobencarb							NA	1.60e+002			3.50e+002
thiocyanomethylthiobenzothiazol							NA	4.80e+002			1.05e+003
e;2-											
thiofanox							NA	4.80e+000			1.05e+001
thiophanate-methyl							NA	1.28e+003			2.80e+003
thiram							NA	8.00e+001			1.75e+002
tin							NA	9.60e+003			2.10e+004
tnt							NA	2.92e+000	2.92e+001		1.75e+001
toluene	1000.00000		1000.00			6.25e-001	40	1.60e+003			3.50e+003
toluene diisocyanate							NA				
mixture;2,4-/2,6-							NA	2.73e-002		2.73e-001	
toluenediamine;2,4-							NA	9.60e+003			2.10e+004
toluenediamine;2,5-							NA	3.20e+003			7.00e+003
toluenediamine;2,6-							NA	4.61e-001		4.61e+000	
toluidine;p-	3.00000		0.00			6.51e-006	NA	7.95e-002		7.95e-001	
toxaphene	5.00000		50.00			6.29e-005	NA				
tp;2,4,5-	50.00000						NA	1.28e+002			2.80e+002
tph							1000				
tph, diesel							NA				
tph, gasoline							NA				
tph, other							NA				
tralomethrin							NA	1.20e+002			2.62e+002
triallate							NA	2.08e+002			4.55e+002
triasulfuron							NA	1.60e+002			3.50e+002
tribromobenzene;1,2,4-							NA	8.00e+001			1.75e+002
tributyltin oxide							NA	4.80e-001			1.05e+000
trichloro-1,2,2-							NA	4.80e+005			1.05e+006
trifluoroethane;1,1,2-							NA			3.02e+001	
trichloroaniline							NA	3.02e+000			
hydrochloride;2,4,6-							NA	2.57e+000		2.57e+001	
trichloroaniline;2,4,6-							NA				1.75e+002
trichlorobenzene;1,2,4-	70.00000		70.00			8.75e-001	NA	8.00e+001			

AR 033958

Ground Water ARARs and MTC Values for Protecting Drinking Water
 Data updated: 2/28/96
 Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk at the MCL	Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
trichloroethane;1,1,1-	200.00000		200.00			2.78e-002		290	7.20e+003		7.68e+000	1.58e+004
trichloroethane;1,1,2-	5.00000		3.00			6.51e-006	1.56e-001	NA	3.20e+001		7.68e+000	7.00e+001
trichloroethylene	5.00000		0.00			1.26e-006		5	3.98e+000		3.98e+001	
trichlorofluoromethane								NA	2.40e+003			5.25e+003
trichlorophenol;2,4,5-								NA	1.60e+003			3.50e+003
trichlorophenol;2,4,6-								NA	7.95e+000		7.95e+001	
trichlorophenoxyacetic acid;2,4,5-								NA	1.60e+002			3.50e+002
trichloropropane;1,1,2-								NA	4.00e+001			8.75e+001
trichloropropane;1,2,3-								NA	4.80e+001		6.25e-002	1.05e+002
trichloropropene;1,2,3-								NA	8.00e+001			1.75e+002
tridiphane								NA	4.80e+001			1.05e+002
triethylamine								NA	1.20e+002		1.14e+002	2.62e+002
trifluralin								NA	2.36e+000		2.36e+001	
trimethyl phosphate								NA	8.00e-001			1.75e+000
trinitrobenzene;1,3,5-								NA	1.60e+002			3.50e+002
trinitrophenylmethylnitramine								NA	4.80e+001			1.05e+002
uranium, soluble salts								NA	1.12e+002			2.45e+002
vanadium								NA	1.44e+002			3.15e+002
vanadium pentoxide								NA	3.20e+002			7.00e+002
vanadyl sulfate								NA	1.60e+001			3.50e+001
vernarn								NA	4.00e+002			8.75e+002
vinclozolin								NA	8.00e+003			1.75e+004
vinyl acetate								NA	2.30e-002		2.30e-001	
vinyl chloride	2.00000		0.00			8.69e-005		.2				
warfarin								NA	4.80e+000			1.05e+001
xylene	10000.00000		10000.00			6.25e-001		20	1.60e+004			3.50e+004
xylene;m-	10000.00000					6.25e-001		20	1.60e+004			3.50e+004
xylene;o-	10000.00000					6.25e-001		20	1.60e+004			3.50e+004
zinc								NA	4.80e+003			1.05e+004
zinc cyanide								NA	8.00e+002			1.75e+003
zinc phosphide								NA	4.80e+000			1.05e+001

AR 033959

Ground Water ARARs and MTCA Values for Protecting Drinking Water

Data updated: 2/28/96

Values in ug/l

Chemical Name	Federal MCL	Proposed MCL	MCL goal	Secondary MCL	State MCL	Cancer Risk at the MCL	Hazard Quotient at the MCL	Method A	Method B Carcinogen	Method B N-Carcinogen	Method C Carcinogen	Method C N-Carcinogen
zineb								NA	8.00e+002			1.75e+003

AR 033960

Water Quality Bioconcentration Factors

Data updated: 2/28/96

Chemical Name	CAS Number	BCF	BCF Reference
acenaphthene	83-32-9	242.00	AWQC; '80
acephate	30560-19-1		
acetaldehyde	75-07-0		
acetochlor	34256-82-1		
acetone	67-64-1		
acetone cyanohydrin	75-86-5		
acetonitrile	75-05-8		
acetophenone	98-86-2		
acifluorfen, sodium	62476-59-9		
acrolein	107-02-8		NAWQC91;9/
acrylamide	79-06-1		
acrylic acid	79-10-7		
acrylonitrile	107-13-1	30.00	AWQC; '80
alachlor	15972-60-8		
alar	1596-84-5		
aldicarb	116-06-3		
aldicarb sulfone	1646-88-4		
aldrin	309-00-2	4670.00	AWQC; '80
allyl	74223-64-6		
allyl alcohol	107-18-6		
allyl chloride	107-05-1		
aluminum phosphide	20859-73-8		
andro	67485-29-4		
ametryn	834-12-8		
aminophenol;m-	591-27-5		
aminopyridine;4-	504-24-5		
amitraz	33089-61-1		
ammonia	7664-41-7		
ammonium sulfamate	7773-06-0		
aniline	62-53-3		NAWQC91;9/
anthracene	120-12-7	30.00	AWQC; '80
antimony pentoxide	1314-60-9		
antimony potassium tartrate	28300-74-5		
antimony tetroxide	1332-81-6		
antimony trioxide	1309-64-4		NAWQC91;9/
apollo	74115-24-5		
aramite	140-57-8		
aroclor 1016	12674-11-2		
aroclor 1254	11097-69-1		
arsenic, inorganic	7440-38-2	44.00	AWQC; '80
arsine	7784-42-1		
asbestos	1332-21-4		
assure	76578-14-8		
asulam	3337-71-1		
atrazine	1912-24-9		
avermectin B1	65195-55-3		
azobenzene	103-33-3		
barium	7440-39-3		
barium cyanide	542-62-1		
baygon	114-26-1		

AR 033961

Water Quality Bioconcentration Factors

Data updated: 2/28/96

Chemical Name	CAS Number	BCF	Reference
bayleton	43121-43-3		
baythroid	68359-37-5		
benefin	1861-40-1		
benomyl	17804-35-2		
bentazon	25057-89-0		
benzaldehyde	100-52-7		
benzene	71-43-2	5.20	AWQC; '80
benzenethiol	108-98-5		
benzidine	92-87-5	87.50	AWQC; '80
benzo[a]anthracene	56-55-3	30.00	AWQC; '80
benzo[a]pyrene	50-32-8	30.00	AWQC; '80
benzo[b]fluoranthene	205-99-2	30.00	
benzo[k]fluoranthene	207-08-9	30.00	AWQC; '80
benzoic acid	65-85-0		NAWQC91;9/
benzotrichloride	98-07-7		NAWQC91;9/
benzyl alcohol	100-51-6		
benzyl chloride	100-44-7		
beryllium	7440-41-7	19.00	AWQC; '80
beta-chloronaphthalene	91-58-7		
bidrin	141-66-2		
bipenthrin	82657-04-3		
biphenyl;1,1-	92-52-4		NAWQC91;9/
bis(2-chloro-1-methyl-ethyl)ether	108-60-1		NAWQC91;9/
bis(2-chloroethyl)ether	111-44-4	6.90	AWQC; '80
bis(2-chloroisopropyl) ether	39638-32-9	2.47	AWQC; '80
bis(2-ethylhexyl) phthalate	117-81-7	130.00	AWQC91;9/9
bis(chloromethyl)ether	542-88-1		
bisphenol a	80-05-7		
boron	7440-42-8		
bromodichloromethane	75-27-4	3.75	AWQC91;9/9
bromoethene	593-60-2		
bromoform	75-25-2	3.75	AWQC; '80
bromomethane	74-83-9	3.75	AWQC91;9/9
bromophos	2104-96-3		
bromoxynil	1689-84-5		
bromoxynil octanoate	1689-99-2		
butadiene;1,3-	106-99-0		
butanol;n-	71-36-3		
butyl benzyl phthalate	85-68-7	414.00	AWQC; '80
butylate	2008-41-5		
butylphthalyl butylglycolate	85-70-1		
butyric acid;4-(2-methyl-4-chlorophenoxy)-	94-81-5		
cacodylic acid	75-60-5		
cadmium in soil (ignore water values for Methods B and C	7440-43-9a	64.00	AWQC; '80
cadmium in water (ignore soil values for Methods B and C	7440-43-9	64.00	AWQC; '80
calcium cyanide	592-01-8		
caprolactam	105-60-2		
captafol	2425-06-1		
captan	133-06-2		NAWQC91;9/
carbaryl	63-25-2		
carbazole	86-74-8		

AR 033962

Water Quality Bioconcentration Factors

Data updated: 2/28/96

Chemical Name	CAS Number	BCF	Reference
carbofuran	1563-66-2		
carbon disulfide	75-15-0		
carbon tetrachloride	56-23-5	18.75	AWQC; '80
carbophenothion	786-19-6		
carbosulfan	55285-14-8		
carboxin	5234-68-4		
chloral	75-87-6		
chloramben	133-90-4		
chloranil	118-75-2		
chlordane	57-74-9	14100.00	AWQC91;9/9
chlorimuron-ethyl	90982-32-4		
chlorine	7782-50-5		
chlorine cyanide	506-77-4		
chlorine dioxide	10049-04-4		
chlorite	7758-19-2		
chloro-1,3-butadiene;2-	126-99-8		
chloro-2-methylaniline hydrochloride;4-	3165-93-3		
chloro-2-methylaniline;4-	95-69-2		
chloroacetic acid	79-11-8		
chloroacetophenone;2-	532-27-4		
chloroaniline;p-	106-47-8		
chlorobenzene	108-90-7	10.30	AWQC91;9/9
chlorobenzilate	510-15-6		
chlorobenzoic acid;p-	74-11-3		
chlorobenzotrifluoride;4-	98-56-6		NAWQC91;9/
chlorobutane;1-	109-69-3		
chloroform	67-66-3	3.75	AWQC91;9/9
chloromethane	74-87-3	3.75	AWQC91;9/9
chloromethyl methyl ether	107-30-2		
chloronitrobenzene;o-	88-73-3		NAWQC91;9/
chloronitrobenzene;p-	100-00-5		
chlorophenol;2-	95-57-8	134.00	AWQC91;9/9
chlorophenyl methyl sulfide;p-	123-09-1		
chlorophenyl methyl sulfone;p-	98-57-1		
chlorophenyl methyl sulfoxide;p-	934-73-6		
chloropropane;2-	75-29-6		
chlorothalonil	1897-45-6		
chlorotoluene;o-	95-49-8		NAWQC91;9/
chlorpropham	101-21-3		
chlorpyrifos	2921-88-2		
chlorpyrifos-methyl	5598-13-0		
chlorsulfuron	64902-72-3		
chlorthiophos	21923-23-9		
chromium (total)	7440-47-3		
chromium(III)	16065-83-1	16.00	AWQC; '80
chromium(VI)	18540-29-9	16.00	AWQC; '80
chrysene	218-01-9	30.00	AWQC; '80
copper	7440-50-8	36.00	AWQC; '80
copper cyanide	544-92-3		
creosote	8001-58-9		
cresol;m-	108-39-4		

AR 033963

Water Quality Bioconcentration Factors

Data updated: 2/28/96

Chemical Name	CAS Number	BCF	BCF Reference
cresol;o-	95-48-7		
cresol;p-	106-44-5		
crotonaldehyde	123-73-9		
cumene	98-82-8		
cyanazine	21725-46-2		
cyanide	57-12-5	1.00	AWQC; '80
cyanogen	460-19-5		
cyanogen bromide	506-68-3		
cyclohexanone	108-94-1		
cyclohexylamine	108-91-8		
cyclopentadiene	542-92-7		
cyhalothrin/karate	68085-85-8		
cypermethrin	52315-07-8		
cyromazine	66215-27-8		
dacthal	1861-32-1		
dalapon, sodium salt	75-99-0		
danitol	39515-41-8		
db;2,4-	94-82-6		
ddd	72-54-8	53600.00	AWQC91;9/9
dde	72-55-9	53600.00	AWQC91;9/9
ddt	50-29-3	53600.00	AWQC; '80
decabromodiphenyl ether	1163-19-5		
demeton	8065-48-3		
di(2-ethylhexyl)adipate	103-23-1		
di-butyl phthalate	84-74-2	89.00	AWQC91;9/9
di-n-octyl phthalate	117-84-0		
diallate	2303-16-4		
diazinon	333-41-5		NAWQC91;9/
dibenzo[a,h]anthracene	53-70-3	30.00	AWQC; '80
dibenzofuran	132-64-9		
dibromo-3-chloropropane;1,2-	96-12-8		
dibromobenzene;1,4-	106-37-6		
dibromochloromethane	124-48-1	3.75	AWQC91;9/9
dibromoethane;1,2-	106-93-4		
dicamba	1918-00-9		
dichloro-2-butene;1,4-	764-41-0		NAWQC91;9/
dichlorobenzene;1,2-	95-50-1	55.60	AWQC91;9/9
dichlorobenzene;1,4-	106-46-7	55.60	AWQC91;9/9
dichlorobenzidine;3,3'	91-94-1	312.00	AWQC91;9/9
dichlorodifluoromethane	75-71-8		
dichloroethane;1,1-	75-34-3		NAWQC91;9/
dichloroethane;1,2-	107-06-2	1.20	AWQC91;9/9
dichloroethylene;1,1-	75-35-4	5.60	AWQC91;9/9
dichloroethylene;1,2-,cis	156-59-2		
dichloroethylene;1,2-,trans	156-60-5	1.58	AWQC91;9/9
dichloromethane	75-09-2	.90	AWQC91;9/9
dichlorophenol;2,4-	120-83-2	40.70	AWQC91;9/9
dichlorophenoxyacidic acid;2,4-	94-75-7		NAWQC91;9/
dichloropropane;1,2-	78-87-5	4.11	AWQC91;9/9
dichloropropanol;2,3-	616-23-9		
dichloropropene;1,3-	542-75-6	1.91	AWQC91;9/9

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Chemical Name	CAS Number	BCF	BCF Reference
dichlorvos	62-73-7		
dicofol	115-32-2		
dicyclopentadiene	77-73-6		
dieldrin	60-57-1	4670.00	AWQC91;9/9
diethyl phthalate	84-66-2	73.00	AWQC91;9/9
diethyl-p-nitrophenylphosphate	311-45-5		
diethylene glycol	111-46-6		
diethylene glycol dinitrate	693-21-0		
diethylformamide	617-84-5		NAWQC91;9/
diethylstilbesterol	56-53-1		NAWQC91;9/
difenzoquat	43222-48-6		
diflubenzuron	35367-38-5		
difluoroethane;1,1-	75-37-6		
diisopropyl methylphosphonate	1445-75-6		
dimethipin	55290-64-7		
dimethoate	60-51-5		
dimethoxybenzidine;3,3'-	119-90-4		
dimethyl phthalate	131-11-3	36.00	AWQC91;9/9
dimethyl terephthalate	120-61-6		
dimethylaniline hydrochloride;2,4-	21436-96-4		
dimethylaniline;2,4-	95-68-1		NAWQC91;9/
dimethylaniline;N,N-	121-69-7		
dimethylbenzidine;3,3'-	119-93-7		
dimethylformamide;N,N-	68-12-2		
dimethylhydrazine;1,1-	57-14-7		
dimethylhydrazine;1,2-	540-73-8		
dimethylphenol;2,4-	105-67-9	93.80	AWQC91;9/9
dimethylphenol;2,6-	576-26-1		
dimethylphenol;3,4-	95-65-8		
dinitro-o-cyclohexyl phenol;4,6-	131-89-5		
dinitrobenzene;m-	99-65-0		NAWQC91;9/
dinitrobenzene;o-	528-29-0		
dinitrobenzene;p-	100-25-4		
dinitrophenol;2,4-	51-28-5	1.50	AWQC91;9/9
dinitrotoluene mixture 2,4-/2,6-	unavailable0		
dinitrotoluene;2,4-	121-14-2	3.80	AWQC91;9/9
dinitrotoluene;2,6-	606-20-2		
dinoseb	88-85-1		NAWQC91;9/
dioxane;1,4-	123-91-1		NAWQC91;9/
diphenamid	957-51-7		
diphenylamine	122-39-4	30.00	
diphenylhydrazine;1,2-	122-66-7	24.90	AWQC91;9/9
diquat	85-00-7		
direct black 38	1937-37-7		
direct blue 6	2602-46-2		NAWQC91;9/
direct brown 95	16071-86-6		NAWQC91;9/
disulfoton	298-04-4		
dithiane;1,4-	505-29-3		
diuron	330-54-1		
dodine	2439-10-3		
endosulfan	115-29-7	270.00	AWQC; '80

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Chemical Name	CAS Number	BCF	BCF Reference
endothall	145-73-3		
endrin	72-20-8	3970.00	AWQC; '80
epichlorohydrin	106-89-8		
epoxybutane	106-88-7		
ethephon	16672-87-0		
ethion	563-12-2		
ethoxyethanol acetate;2-	111-15-9		
ethoxyethanol;2-	110-80-5		
ethyl acetate	141-78-6		
ethyl acrylate	140-88-5		
ethyl chloride	75-00-3		
ethyl dipropylthiocarbamate;S-	759-94-4		
ethyl ether	60-29-7		
ethyl methacrylate	97-63-2		
ethyl p-nitrophenyl phenylphosphorothioate	2104-64-5		
ethylbenzene	100-41-4	37.50	AWQC; '80
ethylene cyanohydrin	109-78-4		
ethylene diamine	107-15-3		
ethylene glycol	107-21-1		
ethylene oxide	75-21-8		
ethylene thiourea	96-45-7		
ethylphthalyl ethylglycolate	84-72-0		
express	101200-48-0		
fenamiphos	22224-92-6		
fensulfothion	115-90-2		
fluometuron	2164-17-2		
fluoranthene	206-44-0	1150.00	AWQC; '80
fluorene	86-73-7	30.00	AWQC; '80
fluorine, soluble fluoride	7782-41-4		
fluridone	59756-60-4		
flurprimidol	56425-91-3		
flutolanil	66332-96-5		
fluvalinate	69409-94-5		
folpet	133-07-3		
fomesafen	72178-02-0		
fonfos	944-22-9		
formaldehyde	50-00-0		
formic acid	64-18-6		
fosetyl-al	39148-24-8		
furan	110-00-9		
furazolidone	67-45-8		
furfural	98-01-1		
furium	531-82-8		
furmecyclox	60568-05-0		
glufosinate-ammonium	77182-82-2		
glycidaldehyde	765-34-4		
glyphosate	1071-83-6		
haloxyfop-methyl	69806-40-2		
harmony	79277-27-3		
heptachlor	76-44-8	11200.00	AWQC; '80
heptachlor epoxide	1024-57-3	11200.00	AWQC; '80

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Chemical Name	CAS Number	BCF	Reference
heptane;n-	142-82-5		
hexabromobenzene	87-82-1		
hexachloro-p-dioxin, mixture	19408-74-3		
hexachlorobenzene	118-74-1	8690.00	AWQC91;9/9
hexachlorobutadiene	87-68-3	2.78	AWQC91;9/9
hexachlorocyclohexane;alpha	319-84-6	130.00	AWQC91;9/9
hexachlorocyclohexane;beta-	319-85-7	130.00	AWQC91;9/9
hexachlorocyclohexane;delta-	319-86-8		
hexachlorocyclohexane;technical	608-73-1		
hexachlorocyclopentadiene	77-47-4	4.34	AWQC91;9/9
hexachloroethane	67-72-1	86.90	AWQC91;9/9
hexachlorophene	70-30-4		NAWQC91;9/
hexamethylene diisocyanate;1,6-	822-06-0		
hexane;n-	110-54-3		
hexazinone	51235-04-2		
hydrazine/hydrazine sulfate	302-01-2		
hydrogen chloride	7647-01-0		
hydrogen cyanide	74-90-8		
hydrogen sulfide	7783-06-4		
hydroquinone	123-31-9		
imazalil	35554-44-0		
imazaquin	81335-37-7		
indeno[1,2,3-cd]pyrene	193-39-5	30.00	AWQA; '80
iprodione	36734-19-7		
isobutyl alcohol	78-83-1		
isophorone	78-59-1	4.38	AWQC; '80
isopropalin	33820-53-0		
isopropyl methyl phosphonic acid	1832-54-8		
isoxaben	82558-50-7		
lactofen	77501-63-4		
lead	7439-92-1		NAWQC91;9/
lead alkyls	unavailable0		
lindane	58-89-9	130.00	AWQC91;9/9
linuron	330-55-2		
londax	83055-99-6		
malathion	121-75-5		
maleic anhydride	108-31-6		
maleic hydrazide	123-33-1		
malononitrile	109-77-3		
mancozeb	8018-01-7		
maneb	12427-38-2		
manganese	7439-96-5a		
mephosfolan	950-10-7		
mepiquat chloride	24307-26-4		
mercuric chloride	7487-94-7		
mercury	7439-97-6		
merphos	150-50-5		
merphos oxide	78-48-8		
metalaxyl	57837-19-1		
methacrylonitrile	126-98-7		
methamidosphos	10265-92-6		

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Chemical Name	CAS Number	BCF	BCF Reference
methanol	67-56-1		
methidathion	950-37-8		
methomyl	16752-77-5		
methoxy-5-nitroaniline;2-	99-59-2		
methoxychlor	72-43-5	1550.00	1
methoxyethanol acetate;2-	110-49-6		NAWQC91;9/
methoxyethanol;2-	109-86-4		
methyl acetate	79-20-9		
methyl acrylate	96-33-3		
methyl ethyl ketone	78-93-3		
methyl isobutyl ketone	108-10-1		
methyl mercury	22967-92-6		
methyl methacrylate	80-62-6		
methyl parathion	298-00-0		NAWQC91;9/
methyl styrene	25013-15-4		
methyl styrene, alpha	98-83-9		
methyl tert-butyl ether	1634-04-4		
methyl-4-chlorophenoxy-acetic acid;2-	94-74-6		
methyl-5-nitroaniline;2-	99-55-8		
methylaniline hydrochloride;2-	636-21-5		
methylaniline;2-	95-53-4		
methylene bis(2-chloroaniline);4,4'-	101-14-4		
methylene bis(n,n'-dimethyl)aniline;4,4'-	101-61-1		
methylene bromide	74-95-3		
methylene diphenyl isocyanate	101-68-8		
methylenebisbenzenamine;4,4-	101-77-9		
methylhydrazine	60-34-4		NAWQC91;9/
metolachlor	51218-45-2		
metribuzin	21087-64-9		
mevinphos	7786-34-7		
mirax	2385-85-5		NAWQC91;9/
molinate	2212-67-1		
molybdenum	7439-98-7		
monochloramine	10599-90-3		
monochlorobutanes	unavailable0		
naled	300-76-5		
naphthalene	91-20-3	10.50	AWQC; '80
napropamide	15299-99-7		
nickel subsulfide	12035-72-2		
nickel, refinery dust	unavailable0		
nickel, soluble salts	7440-02-0	47.00	AWQC; '80
nitrate	14797-55-8		
nitric oxide	10102-43-9		
nitrite	14797-65-0		
nitrobenzene	98-95-3	2.89	AWQC; '80
nitrofurantoin	67-20-9		
nitrofurazone	59-87-0		
nitrogen dioxide	10102-44-0		
nitroguanidine	556-88-7		
nitropropane;2-	79-46-9		
nitroso-N-methylethylamine;N-	10595-95-6		

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Chemical Name	CAS Number	BCF	Reference
nitroso-di-n-butylamine;N-	924-16-3		NAWQC91;9/
nitroso-di-n-propylamine;N-	621-64-7	1.13	AWQC91;9/9
nitroso-n-ethylurea;n-	759-73-9		
nitrosodiethanolamine;N-	1116-54-7		
nitrosodiethylamine;N-	55-18-5		
nitrosodimethylamine;N-	62-75-9	.03	AWQC91;9/9
nitrosodiphenylamine;N-	86-30-6	136.00	AWQC91;9/9
nitrosopyrrolidine;N-	930-55-2		
nitrotoluenes;o-,m-,p-	1321-12-6		
norflurazon	27314-13-2		
nustar	85509-19-9		
octabromodiphenyl ether	32536-52-0		
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	2691-41-0		
octamethylpyrophosphoramidate	152-16-9		
oryzalin	19044-88-3		
oxadiazon	19666-30-9		
oxamyl	23135-22-0		
oxyfluorfen	42874-03-3		
paclobutrazol	76738-62-0		
pah	unavailable0		
paraquat	1910-42-5		
parathion	56-38-2		NAWQC91;9/
pebulate	1114-71-2		
pendimethalin	40487-42-1		
pentabromo-6-chloro-cyclohexane;1,2,3,4,5-	87-84-3		
pentabromodiphenyl ether	32534-81-9		
pentachlorobenzene	608-93-5		NAWQC91;9/
pentachloronitrobenzene	82-68-8		
pentachlorophenol	87-86-5	11.00	AWQC; '80
permethrin	52645-53-1		
perthane	72-56-0		
phenmedipham	13684-63-4		
phenol	108-95-2	1.40	AWQC; '80
phenylenediamine;m-	108-45-2		
phenylenediamine;o-	95-54-5		
phenylmercuric acetate	62-38-4		
phenylphenol;2-	90-43-7		
phosmet	732-11-6		
phosphine	7803-51-2		
phosphorus	7723-14-0		
phthalic acid;p-	100-21-0		
phthalic anhydride	85-44-9		
picloram	1918-02-1		
pirimiphos-methyl	29232-93-7		
polybrominated biphenyls	unavailable0		
polychlorinated biphenyls	1336-36-3	31200.00	AWQC; '80
potassium cyanide	151-50-8		
potassium silver cyanide	506-61-6		
prochloraz	67747-09-5		
profluralin	26399-36-0		
prometon	1610-18-0		

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Chemical Name	CAS Number	BCF	BCF Reference
prometryn	7287-19-6		
pronamide	23950-58-5		
propachlor	1918-16-7		
propanil	709-98-8		
propargite	2312-35-8		
propargyl alcohol	107-19-7		
propazine	139-40-2		
propham	122-42-9		
propiconazole	60207-90-1		
propionic acid;(2-methyl-4-chlorophenoxy)2-	93-65-2		
propylene glycol	57-55-6		
propylene glycol dinitrate;1,2-	6423-43-4		
propylene glycol monoethyl ether	52125-53-8		
propylene glycol monomethyl ether	107-98-2		
propylene oxide	75-56-9		
pursuit	81335-77-5		
pydrin	51630-58-1		
pyrene	129-00-0	30.00	AWQC; '80
pyridine	110-86-1		
quinalphos	13593-03-8		
quinoline	91-22-5		
rdx	121-82-4		
refractory ceramic fibers	unavailable0		
resmethrin	10453-86-8		
ronnel	299-84-3		
rotenone	83-79-4		
savey	78587-05-0		
selenious acid	7783-00-8		
selenium and compounds	7782-49-2		
selenourea	630-10-4		
sethoxydim	74051-80-2		
silver	7440-22-4	.50	AWQC; '80
silver cyanide	506-64-9		
simazine	122-34-9		
sodium azide	26628-22-8		
sodium cyanide	143-33-9		
sodium diethyldithiocarbamate	148-18-5		
sodium fluoroacetate	.62-74-8		
sodium metavanadate	13718-26-8		
strontium	7440-24-6		
strychnine	57-24-9		
styrene	100-42-5		
systhane	88671-89-0		
tcdd;2,3,7,8-	1746-01-6	5000.00	AWQC; '80
tebuthiuron	34014-18-1		
temephos	3383-96-8		
terbacil	5902-51-2		
terbufos	13071-79-9		
terbutryn	886-50-0		
tetrachlorobenzene;1,2,4,5-	95-94-3		
tetrachloroethane;1,1,1,2-	630-20-6		

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Chemical Name	CAS Number	BCF	BCF Reference
tetrachloroethane;1,1,2,2-	79-34-5	5.00	AWQC; '80
tetrachloroethylene	127-18-4	30.60	AWQC; '80
tetrachlorophenol;2,3,4,6-	58-90-2		NAWQC91;9/
tetrachlorotoluene;p,a,a,a,-	5216-25-1		
tetrachlorvinphos	961-11-5		
tetraethyl dithiopyrophosphate	3689-24-5		
tetraethyl lead	78-00-2		
tetrafluoroethane;1,1,1,2-	811-97-2		
thallic oxide	1314-32-5		
thallium acetate	563-68-8		
thallium carbonate	6533-73-9		
thallium chloride	7791-12-0		
thallium nitrate	10102-45-1		
thallium selenite	12039-52-0		
thallium(I) sulfate	7446-18-6		NAWQC91;9/
thallium, soluble salts	7440-28-0	116.00	AWQC91;9/9
thiobencarb	28249-77-6		
thiocyanomethylthiobenzothiazole;2-	21564-17-0		
thiofanox	39196-18-4		
thiophanate-methyl	23564-05-8		
thiram	137-26-8		
tin	7440-31-5		
tnt	118-96-7		
toluene	108-88-3	10.70	AWQC; '80
toluene diisocyanate mixture;2,4-/2,6-	26471-62-5		
toluenediamine;2,4-	95-80-7		
toluenediamine;2,5-	95-70-5		
toluenediamine;2,6-	823-40-5		
toluidine;p-	106-49-0		
toxaphene	8001-35-2	13100.00	AWQC; '80
tp;2,4,5-	93-72-1		
tph	unavailable0		
tph, diesel	unavailable0		
tph, gasoline	unavailable1		
tph, other	unavailable1		
tralomethrin	66841-25-6		
triallate	2303-17-5		
triasulfuron	82097-50-5		
tribromobenzene;1,2,4-	615-54-3		
tributyltin oxide	56-35-9		
trichloro-1,2,2-trifluoroethane;1,1,2-	76-13-1		
trichloroaniline hydrochloride;2,4,6-	33663-50-2		
trichloroaniline;2,4,6-	634-93-5		
trichlorobenzene;1,2,4-	120-82-1	114.00	AWQC91;9/9
trichloroethane;1,1,1-	71-55-6	5.60	AWQC91;9/9
trichloroethane;1,1,2-	79-00-5	4.50	AWQC91;9/9
trichloroethylene	79-01-6	10.60	AWQC91;9/9
trichlorofluoromethane	75-69-4		NAWQC91;9/
trichlorophenol;2,4,5-	95-95-4		
trichlorophenol;2,4,6-	88-06-2	150.00	AWQC91;9/9
trichlorophenoxyacetic acid;2,4,5-	93-76-5		NAWQC91;9/

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Chemical Name	CAS Number	BCF	Reference
trichloropropane;1,1,2-	598-77-6		NAWQC91;9/
trichloropropane;1,2,3-	96-18-4		
trichloropropene;1,2,3-	96-19-5		
tridiphane	58138-08-2		
triethylamine	121-44-8		
trifluralin	1582-09-8		
trimethyl phosphate	512-56-1		
trinitrobenzene;1,3,5-	99-35-4		
trinitrophenylmethylnitramine	479-45-8		
uranium, soluble salts	unavailable1		
vanadium	7440-62-2		
vanadium pentoxide	1314-62-1		
vanadyl sulfate	27774-13-6		
vernarn	1929-77-7		
vinclozolin	50471-44-8		
vinyl acetate	108-05-4		
vinyl chloride	75-01-4	1.17	AWQC91;9/9
warfarin	81-81-2		
xylene	1330-20-7		NAWQC91;9/
xylene;m-	108-38-3		NAWQC91;9/
xylene;o-	95-47-6		NAWQC91;9/
zinc	7440-66-6	47.00	AWQC; '80
zinc cyanide	557-21-1		
zinc phosphide	1314-84-7		
zineb	12122-67-7		

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CAS Number and Chemical Name

CAS Number	Chemical Name
100-00-5	chloronitrobenzene;p-
100-21-0	phthalic acid;p-
100-25-4	dinitrobenzene;p-
100-41-4	ethylbenzene
100-42-5	styrene
100-44-7	benzyl chloride
100-51-6	benzyl alcohol
100-52-7	benzaldehyde
10049-04-4	chlorine dioxide
101-14-4	methylene bis(2-chloroaniline);4,4'-
101-21-3	chlorpropham
101-61-1	methylene bis(n,n'-dimethyl)aniline;4,4'-
101-68-8	methylene diphenyl isocyanate
101-77-9	methylenebisbenzenamine;4,4-
10102-43-9	nitric oxide
10102-44-0	nitrogen dioxide
10102-45-1	thallium(I) nitrate
101200-48-0	express
1024-57-3	heptachlor epoxide
10265-92-6	methamidophos
103-23-1	di(2-ethylhexyl)adipate
103-33-3	azobenzene
10453-86-8	resmethrin
105-60-2	caprolactam
105-67-9	dimethylphenol;2,4-
10595-95-6	nitroso-N-methylethylamine;N-
10599-90-3	monochloramine
106-37-6	dibromobenzene;1,4-
106-44-5	cresol;p-
106-46-7	dichlorobenzene;1,4-
106-47-8	chloroaniline;4-
106-49-0	toluidine;p-
106-88-7	epoxybutane
106-89-8	epichlorohydrin
106-93-4	dibromoethane;1,2-
106-99-0	butadiene;1,3-
107-02-8	acrolein
107-05-1	allyl chloride
107-06-2	dichloroethane;1,2-
107-13-1	acrylonitrile
107-15-3	ethylenediamine
107-18-6	allyl alcohol
107-19-7	propargyl alcohol
107-21-1	ethylene glycol
107-30-2	chloromethyl methyl ether
107-98-2	propylene glycol monomethyl ether
1071-83-6	glyphosate
108-05-4	vinyl acetate
108-10-1	methyl isobutyl ketone
108-31-6	maleic anhydride
108-38-3	xylene;m-
108-39-4	cresol;m-
108-45-2	phenylenediamine;m-
108-60-1	bis(2-chloro-1-methyl-ethyl)ether
108-88-3	toluene

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CAS Number and Chemical Name

CAS Number	Chemical Name
108-90-7	chlorobenzene
108-91-8	cyclohexylamine
108-94-1	cyclohexanone
108-95-2	phenol
108-98-5	benzenethiol
109-69-3	chlorobutane;1-
109-77-3	malononitrile
109-78-4	ethylene cyanohydrin
109-86-4	methoxyethanol;2-
110-00-9	furan
110-49-6	methoxyethanol acetate;2-
110-54-3	hexane;n-
110-80-5	ethoxyethanol;2-
110-86-1	pyridine
11097-69-1	aroclor 1254
111-15-9	ethoxyethanol acetate;2-
111-44-4	bis(2-chloroethyl) ether
111-46-6	diethylene glycol
1114-71-2	pebulate
1116-54-7	nitrosodiethanolamine;N-
114-26-1	baygon
115-29-7	endosulfan
115-32-2	dicofol
115-90-2	fensulfothion
116-06-3	aldicarb
1163-19-5	decabromodiphenyl ether
117-81-7	bis(2-ethylhexyl) phthalate
117-84-0	di-n-octyl phthalate
118-74-1	hexachlorobenzene
118-75-2	chloranil
118-96-7	tnt
119-90-4	dimethoxybenzidine;3,3'-
119-93-7	dimethylbenzidine;3,3'-
120-12-7	anthracene
120-61-6	dimethyl terephthalate
120-82-1	trichlorobenzene;1,2,4-
120-83-2	dichlorophenol;2,4-
12035-72-2	nickel subsulfide
12039-52-0	thallium(I) selenite
121-14-2	dinitrotoluene;2,4-
121-44-8	triethylamine
121-69-7	dimethylaniline;N,N-
121-75-5	malathion
121-82-4	rdx
12122-67-7	zineb
122-34-9	simazine
122-39-4	diphenylamine
122-42-9	propham
122-66-7	diphenylhydrazine;1,2-
123-09-1	chlorophenyl methyl sulfide;p-
123-31-9	hydroquinone;p-
123-33-1	maleic hydrazide
123-73-9	crotonaldehyde
123-91-1	dioxane;1,4-
124-48-1	dibromochloromethane
12427-38-2	maneb

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CAS Number and Chemical Name

CAS Number	Chemical Name
126-98-7	methacrylonitrile
126-99-8	chloro-1,3-butadiene;2-
12674-11-2	aroclor 1016
127-18-4	tetrachloroethylene
129-00-0	pyrene
13071-79-9	terbufos
1309-64-4	antimony trioxide
131-11-3	dimethyl phthalate
131-89-5	dinitro-o-cyclohexyl phenol;4,6-
1314-32-5	thallic oxide
1314-60-9	antimony pentoxide
1314-62-1	vanadium pentoxide
1314-84-7	zinc phosphide
132-64-9	dibenzofuran
1321-12-6	nitrotoluenes;o-,m-,p-
133-06-2	captan
133-07-3	folpet
133-90-4	chloramben
1330-20-7	xylene
1332-21-4	asbestos
1332-81-6	antimony tetroxide
1336-36-3	polychlorinated biphenyls
13593-03-8	quinalphos
13684-63-4	phenmedipham
137-26-8	thiram
13718-26-8	sodium metavanadate
139-40-2	propazine
140-57-8	aramite
140-88-5	ethyl acrylate
141-66-2	bidrin
141-78-6	ethyl acetate
142-82-5	heptane;n-
143-33-9	sodium cyanide
1445-75-6	diisopropyl methylphosphonate
145-73-3	endothall
14797-55-8	nitrate
14797-65-0	nitrite
148-18-5	sodium diethyldithiocarbamate
150-50-5	merphos
151-50-8	potassium cyanide
152-16-9	octamethylpyrophosphoramidate
15299-99-7	napropamide
156-59-2	dichloroethylene;1,2-,cis
156-60-5	dichloroethylene;1,2-,trans
1563-66-2	carbofuran
1582-09-8	trifluralin
1596-84-5	alar
15972-60-8	alachlor
16065-83-1	chromium(III)
16071-86-6	direct brown 95
1610-18-0	prometon
1634-04-4	methyl tert-butyl ether
1646-88-4	aldicarb sulfone
16672-87-0	ethephon
16752-77-5	methomyl
1689-84-5	bromoxynil

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CAS Number and Chemical Name

CAS Number	Chemical Name
1689-99-2	bromoxynil octanoate
1746-01-6	tcdd;2,3,7,8-
17804-35-2	benomyl
1832-54-8	isopropyl methyl phosphonic acid
18540-29-9	chromium(VI)
1861-32-1	dacthal
1861-40-1	benefin
1897-45-6	chlorothalonil
19044-88-3	oryzalin
1910-42-5	paraquat
1912-24-9	atrazine
1918-00-9	dicamba
1918-02-1	picloram
1918-16-7	propachlor
1929-77-7	vernarn
193-39-5	indeno[1,2,3-cd]pyrene
1937-37-7	direct black 38
19408-74-3	hexachloro-p-dioxin;mixture
19666-30-9	oxadiazon
2008-41-5	butylate
205-99-2	benzo[b]fluoranthene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
20859-73-8	aluminum phosphide
2104-64-5	ethyl p-nitrophenyl phenylphosphorothioate
2104-96-3	bromophos
21087-64-9	metribuzin
21436-96-4	dimethylaniline hydrochloride;2,4-
21564-17-0	thiocyanomethylthiobenzothiazole;2-
2164-17-2	fluometuron
21725-46-2	cyanazine
218-01-9	chrysene
21923-23-9	chlorthiophos
2212-67-1	molinate
22224-92-6	fenamiphos
22967-92-6	methyl mercury
2303-16-4	diallate
2303-17-5	triallate
2312-35-8	propargite
23135-22-0	oxamyl
23564-05-8	thiophanate-methyl
2385-85-5	mirex
23950-58-5	pronamide
2425-06-1	captafol
24307-26-4	mepiquat chloride
2439-10-3	dodine
25013-15-4	methyl styrene
25057-89-0	bentazon
2602-46-2	direct blue 6
26399-36-0	profluralin
26471-62-5	toluene diisocyanate mixture;2,4-/2,6-
26628-22-8	sodium azide
2691-41-0	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
27314-13-2	norflurazon
27774-13-6	vanadyl sulfate
28249-77-6	thiobencarb

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CAS Number and Chemical Name

CAS Number	Chemical Name
28300-74-5	antimony potassium tartrate
2921-88-2	chlorpyrifos
29232-93-7	pirimiphos-methyl
298-00-0	methyl parathion
298-04-4	disulfoton
299-84-3	ronnel
300-76-5	naled
302-01-2	hydrazine/hydrazine sulfate
30560-19-1	acephate
309-00-2	aldrin
311-45-5	diethyl-p-nitrophenylphosphate
3165-93-3	chloro-2-methylaniline hydrochloride;4-
319-84-6	hexachlorocyclohexane;alpha
319-85-7	hexachlorocyclohexane;beta-
319-86-8	hexachlorocyclohexane;delta-
32534-81-9	pentabromodiphenyl ether
32536-52-0	octabromodiphenyl ether
330-54-1	diuron
330-55-2	linuron
33089-61-1	amitraz
333-41-5	diazinon
3337-71-1	asulam
33663-50-2	trichloroaniline hydrochloride;2,4,6-
33820-53-0	isopropalin
3383-96-8	temephos
34014-18-1	tebuthiuron
34256-82-1	acetochlor
35367-38-5	diflubenzuron
35554-44-0	imazalil
36734-19-7	iprodione
3689-24-5	tetraethyl dithiopyrophosphate
39148-24-8	fosetyl-al
39196-18-4	thiofanox
39515-41-8	danitol
39638-32-9	bis(2-chloroisopropyl) ether
40487-42-1	pendimethalin
42874-03-3	oxyfluorfen
43121-43-3	bayleton
43222-48-6	difenzoquat
460-19-5	cyanogen
479-45-8	trinitrophenylmethylnitramine
50-00-0	formaldehyde
50-29-3	ddt
50-32-8	benzo[a]pyrene
504-24-5	aminopyridine;4-
50471-44-8	vinclozolin
505-29-3	dithiane;1,4-
506-61-6	potassium silver cyanide
506-64-9	silver cyanide
506-68-3	cyanogen bromide
506-77-4	chlorine cyanide
51-28-5	dinitrophenol;2,4-
510-15-6	chlorobenzilate
512-56-1	trimethyl phosphate
51218-45-2	metolachlor
51235-04-2	hexazinone

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CAS Number and Chemical Name

CAS Number	Chemical Name
51630-58-1	pydrin
52125-53-8	propylene glycol monoethyl ether
5216-25-1	tetrachlorotoluene;p,a,a,a,-
52315-07-8	cypermethrin
5234-68-4	carboxin
52645-53-1	permethrin
528-29-0	dinitrobenzene;o-
53-70-3	dibenzo[a,h]anthracene
531-82-8	furium
532-27-4	chloroacetophenone;2-
540-73-8	dimethylhydrazine;1,2-
542-62-1	barium cyanide
542-75-6	dichloropropene;1,3-
542-88-1	bis(chloromethyl)ether
542-92-7	cyclopentadiene
544-92-3	copper cyanide
55-18-5	nitrosodiethylamine;N-
55285-14-8	carbosulfan
55290-64-7	dimethipin
556-88-7	nitroguanidine
557-21-1	zinc cyanide
5598-13-0	chlorpyrifos-methyl
56-23-5	carbon tetrachloride
56-35-9	tributyltin oxide
56-38-2	parathion
56-53-1	diethylstilbesterol
56-55-3	benzo[a]anthracene
563-12-2	ethion
563-68-8	thallium(I) acetate
56425-91-3	flurprimidol
57-12-5	cyanide, free
57-14-7	dimethylhydrazine;1,1-
57-24-9	strychnine
57-55-6	propylene glycol
57-74-9	chlordane
576-26-1	dimethylphenol;2,6-
57837-19-1	metalaxyl
58-89-9	lindane
58-90-2	tetrachlorophenol;2,3,4,6-
58138-08-2	tridiphane
59-87-0	nitrofurazone
5902-51-2	terbacil
591-27-5	aminophenol;m-
592-01-8	calcium cyanide
593-60-2	bromoethene
59756-60-4	fluridone
598-77-6	trichloropropane;1,1,2-
60-29-7	ethyl ether
60-34-4	methylhydrazine
60-51-5	dimethoate
60-57-1	dieldrin
60207-90-1	propiconazole
60568-05-0	furmecyclox
606-20-2	dinitrotoluene;2,6-
608-73-1	hexachlorocyclohexane;technical
608-93-5	pentachlorobenzene

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CAS Number and Chemical Name

CAS Number	Chemical Name
615-54-3	tribromobenzene;1,2,4-
616-23-9	dichloropropanol;2,3-
617-84-5	diethylformamide
62-38-4	phenylmercuric acetate
62-53-3	aniline
62-73-7	dichlorvos
62-74-8	sodium fluoroacetate
62-75-9	nitrosodimethylamine;N-
621-64-7	nitroso-di-n-propylamine;N-
62476-59-9	acifluorfen, sodium
63-25-2	carbaryl
630-10-4	selenourea
630-20-6	tetrachloroethane;1,1,1,2-
634-93-5	trichloroaniline;2,4,6-
636-21-5	methylaniline hydrochloride;2-
64-18-6	formic acid
6423-43-4	propylene glycol dinitrate;1,2-
64902-72-3	chlorsulfuron
65-85-0	benzoic acid
65195-55-3	avermectin B1
6533-73-9	thallium(I) carbonate
66215-27-8	cyromazine
66332-96-5	flutolanil
66841-25-6	tralomethrin
67-20-9	nitrofurantoin
67-45-8	furazolidone
67-56-1	methanol
67-64-1	acetone
67-66-3	chloroform
67-72-1	hexachloroethane
67485-29-4	amdro
67747-09-5	prochloraz
68-12-2	dimethylformamide;N,N-
68085-85-8	cyhalothrin/karate
68359-37-5	baythroid
693-21-0	diethylene glycol dinitrate
69409-94-5	fluvalinate
69806-40-2	haloxyfop-methyl
70-30-4	hexachlorophene
709-98-8	propanil
71-36-3	butanol;n-
71-43-2	benzene
71-55-6	trichloroethane;1,1,1-
72-20-8	endrin
72-43-5	methoxychlor
72-54-8	ddd
72-55-9	dde
72-56-0	perthane
72178-02-0	fomesafen
7287-19-6	prometryn
732-11-6	phosmet
74-11-3	chlorobenzoic acid;p-
74-83-9	bromomethane
74-87-3	chloromethane
74-90-8	hydrogen cyanide
74-95-3	methylene bromide

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CAS Number and Chemical Name

CAS Number	Chemical Name
74051-80-2	sethoxydim
74115-24-5	apollo
74223-64-6	ally
7439-92-1	lead
7439-96-5	manganese
7439-97-6	mercury
7439-98-7	molybdenum
7440-02-0	nickel, soluble salts
7440-22-4	silver
7440-24-6	strontium
7440-28-0	thallium, soluble salts
7440-31-5	tin
7440-36-0	antimony
7440-38-2	arsenic, inorganic
7440-39-3	barium
7440-41-7	beryllium
7440-42-8	boron
7440-43-9	cadmium in water (ignore soil values for Methods B
7440-43-9a	cadmium in soil (ignore water values for Methods B
7440-47-3	chromium (total)
7440-50-8	copper
7440-62-2	vanadium
7440-66-6	zinc
7446-18-6	thallium(I) sulfate
7487-94-7	mercuric chloride
75-00-3	ethyl chloride
75-01-4	vinyl chloride
75-05-8	acetonitrile
75-07-0	acetaldehyde
75-09-2	dichloromethane
75-15-0	carbon disulfide
75-21-8	ethylene oxide
75-25-2	bromoform
75-27-4	bromodichloromethane
75-29-6	chloropropane;2-
75-34-3	dichloroethane;1,1-
75-35-4	dichloroethylene;1,1-
75-37-6	difluoroethane;1,1-
75-56-9	propylene oxide
75-60-5	cacodylic acid
75-69-4	trichlorofluoromethane
75-71-8	dichlorodifluoromethane
75-86-5	acetone cyanohydrin
75-87-6	chloral
75-99-0	dalapon, sodium salt
759-73-9	nitroso-n-ethylurea;n-
759-94-4	ethyl dipropylthiocarbamate;s-
76-13-1	trichloro-1,2,2-trifluoroethane;1,1,2-
76-44-8	heptachlor
764-41-0	dichloro-2-butene;1,4-
7647-01-0	hydrogen chloride
765-34-4	glycidaldehyde
76578-14-8	assure
7664-41-7	ammonia
76738-62-0	paclobutrazol
77-47-4	hexachlorocyclopentadiene

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CAS Number and Chemical Name

CAS Number	Chemical Name
77-73-6	dicyclopentadiene
77182-82-2	glufosinate-ammonium
7723-14-0	phosphorus
77501-63-4	lactofen
7758-19-2	chlorite
7773-06-0	ammonium sulfamate
7782-41-4	fluorine, soluble fluoride
7782-49-2	selenium and compounds
7782-50-5	chlorine
7783-00-8	selenious acid
7783-06-4	hydrogen sulfide
7784-42-1	arsine
7786-34-7	mevinphos
7791-12-0	thallium(I) chloride
78-00-2	tetraethyl lead
78-48-8	merphos oxide
78-59-1	isophorone
78-83-1	isobutyl alcohol
78-87-5	dichloropropane;1,2-
78-93-3	methyl ethyl ketone
7803-51-2	phosphine
78587-05-0	savey
786-19-6	carbophenothion
79-00-5	trichloroethane;1,1,2-
79-01-6	trichloroethylene
79-06-1	acrylamide
79-10-7	acrylic acid
79-11-8	chloroacetic acid
79-20-9	methyl acetate
79-34-5	tetrachloroethane;1,1,2,2-
79-46-9	nitropropane;2-
79277-27-3	harmony
80-05-7	bisphenol a
80-62-6	methyl methacrylate
8001-35-2	toxaphene
8001-58-9	creosote
8007-45-2	coke oven emissions
8018-01-7	mancozeb
8065-48-3	demeton
81-81-2	warfarin
811-97-2	tetrafluoroethane;1,1,1,2-
81335-37-7	imazaquin
81335-77-5	pursuit
82-68-8	pentachloronitrobenzene
82097-50-5	triasulfuron
822-06-0	hexamethylene diisocyanate;1,6-
823-40-5	toluenediamine;2,6-
82558-50-7	isoxaben
82657-04-3	biphenthrin
83-32-9	acenaphthene
83-79-4	rotenone
83055-99-6	londax
834-12-8	ametryn
84-66-2	diethyl phthalate
84-72-0	ethylphthalyl ethylglycolate
84-74-2	di-n-butyl phthalate

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CAS Number and Chemical Name

CAS Number	Chemical Name
85-00-7	diquat
85-44-9	phthalic anhydride
85-68-7	butyl benzyl phthalate
85-70-1	butylphthalyl butylglycolate
85509-19-9	nustar
86-30-6	nitrosodiphenylamine;N-
86-73-7	fluorene
86-74-8	carbazole
87-68-3	hexachlorobutadiene
87-82-1	hexabromobenzene
87-84-3	pentabromo-6-chloro-cyclohexane;1,2,3,4,5-
87-86-5	pentachlorophenol
88-06-2	trichlorophenol;2,4,6-
88-73-3	chloronitrobenzene;o-
88-85-1	dinoseb
886-50-0	terbutryn
88671-89-0	systhane
90-43-7	phenylphenol;2-
90982-32-4	chlorimuron-ethyl
91-20-3	naphthalene
91-22-5	quinoline
91-58-7	beta-chloronaphthalene
91-94-1	dichlorobenzidine;3,3'-
92-52-4	biphenyl;1,1'-
92-87-5	benzidine
924-16-3	nitroso-di-n-butylamine;N-
93-65-2	propionic acid;2-(2-methyl-4-chlorophenoxy)-
93-72-1	tp;2,4,5-
93-76-5	trichlorophenoxyacetic acid;2,4,5-
930-55-2	nitrosopyrrolidine;N-
934-73-6	chlorophenyl methyl sulfoxide;p-
94-74-6	methyl-4-chlorophenoxy-acetic acid;2-
94-75-7	dichlorophenoxyacetic acid;2,4-
94-81-5	butyric acid;4-(2-methyl-4-chlorophenoxy)-
94-82-6	db;2,4-
944-22-9	fonfos
95-47-6	xylene;o-
95-48-7	cresol;o-
95-49-8	chlorotoluene;o-
95-50-1	dichlorobenzene;1,2-
95-53-4	methylaniline;2-
95-54-5	phenylenediamine;o-
95-57-8	chlorophenol;2-
95-65-8	dimethylphenol;3,4-
95-68-1	dimethylaniline;2,4-
95-69-2	chloro-2-methylaniline;4-
95-70-5	toluenediamine;2,5-
95-80-7	toluenediamine;2,4-
95-94-3	tetrachlorobenzene;1,2,4,5-
95-95-4	trichlorophenol;2,4,5-
950-10-7	mepfosfolan
950-37-8	methidathion
957-51-7	diphenamid
96-12-8	dibromo-3-chloropropane;1,2-
96-18-4	trichloropropane;1,2,3-
96-19-5	trichloropropene;1,2,3-

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CAS Number and Chemical Name

CAS Number	Chemical Name
96-33-3	methyl acrylate
96-45-7	ethylene thiourea
961-11-5	tetrachlorvinphos
97-63-2	ethyl methacrylate
98-01-1	furfural
98-07-7	benzotrichloride
98-56-6	chlorobenzotrifluoride;4-
98-57-1	chlorophenyl methyl sulfone;p-
98-82-8	cumene
98-83-9	methyl styrene, alpha
98-86-2	acetophenone
98-95-3	nitrobenzene
99-35-4	trinitrobenzene;1,3,5-
99-55-8	methyl-5-nitroaniline;2-
99-59-2	methoxy-5-nitroaniline;2-
99-65-0	dinitrobenzene;m-
unavailable01	dinitrotoluene mixture 2,4-/2,6-
unavailable02	lead alkyls
unavailable03	monochlorobutanes
unavailable04	nickel, refinery dust
unavailable05	pah
unavailable06	polybrominated biphenyls
unavailable07	refractory ceramic fibers
unavailable08	tph
unavailable09	tph, diesel
unavailable10	tph, gasoline
unavailable11	tph, other
unavailable12	uranium, soluble salts

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