

APPENDIX B

COMPARISON VALUES FOR CONTAMINANT HAZARD FACTOR EVALUATION

APPENDIX B-1

Comparison Values for Human Endpoint Evaluations

APPENDIX B-2

Ambient Water Quality Criteria for Ecological Endpoint Evaluations

APPENDIX B-3

Sediment Criteria for Ecological Endpoint Evaluations

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APPENDIX B-1

RELATIVE RISK COMPARISON VALUES

The Comparison Values contained in this Appendix were derived from the U.S. Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goals, which are updated semiannually by Region IX. The Comparison Values presented in this Appendix, unless otherwise indicated, were derived from *Region IX Preliminary Remediation Goals [PRGs], Second Half 1995, September 1, 1995*. The Region IX values are based upon toxicological information documented by the EPA in the Integrated Risk Information System (IRIS) and Health Effects and Assessment Summary Tables (HEAST) data bases. Other reference sources, as footnoted, were used if and when Region IX data were not available.

The Comparison Values presented for soils utilize conservative exposure assumptions developed by Region IX for residential scenarios. Comparison Values that are based on non-carcinogenic exposure endpoints (nc) (i.e., reference doses, RfDs) are translated directly into the table. Values based on carcinogenic exposure endpoints (ca) are modified to reflect a 10^{-4} computed risk value. The EPA has determined that a computed risk of 10^{-4} to 10^{-6} (i.e., one-in-ten thousand to one-in-one-million) is acceptable, depending on other prevailing circumstances. The Preamble to the National Oil and Hazardous Substances Pollution Contingency Plan (55 Federal Register 8716, March 8, 1990) defines the remedial action threshold for carcinogens as 10^{-4} . For the purposes of computing the relative risk, the DOD Workgroup has deemed 10^{-4} to be adequate. The Region IX PRG table presents the values correlating to a 10^{-6} risk. Therefore, all carcinogenic values presented in the PRG tables have been multiplied by a factor of 100 to become the Relative Risk Comparison Values.

The Comparison Values representing military-unique materials (e.g., explosives, propellants, chemical agent materials, and by-products) have been incorporated into the overall, alphabetical listing of materials. When Region IX values were not available, the Comparison Values were calculated using Region IX guidance. The reference doses were obtained from a number of sources, as footnoted. The toxicological data conducted by the military (or DOD contractors), is currently being evaluated to establish environmental clean-up criteria for chemical agents and by-product materials. The criteria are now being reviewed by the Steering Committee for Standards in Emergency Response, Restoration, Remediation, and Demilitarization of Chemical Warfare Material. In addition, efforts are ongoing to develop pragmatic exposure assumptions, to replace the default assumptions generally used in EPA calculations.

Criteria for radionuclides are provided in a separate table at the end of Appendix B-1. They have been derived from the *EPA-Office of Solid Waste and Emergency Response, OSWER Directive 9360.4-18-1, Superfund Chemical Data Matrix*. All levels presented are based on Carcinogenic exposure endpoints; therefore, the values presented by EPA have been multiplied by 100 to reflect the 10^{-4} risk Comparison Values (as described above). Representatives of the EPA, Department of Energy, Nuclear Regulatory Commission, and DOD have been working together to develop environmental criteria (in picocuries per kilogram [pCi/kg]) to represent the fraction of total annual dosages (in milli-radiation equivalent man per year [mrem/yr]) permitted, per recent regulations and guidance.

Please note that synonyms have been added to Appendix B-1 to facilitate its use. In instances where no Chemical Abstract System (CAS) number was available, a unique identifier has been assigned to the analyte for database function purposes.

The Relative Risk Comparison Values will be formally updated as part of future Primer revisions to address new data issued from EPA or other sources. The Relative Risk Comparison Values will be posted on the Internet through the U.S. Army Center for Health Promotion and Preventative Medicine home page.

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Acenaphthene		83-32-9	3.6E+02	nc	3.7E+02	nc
Acenaphthylene		207-08-9	6.1E+02	ca	9.2E+01	ca
Acephate		30560-19-1	5.1E+03	ca	7.7E+02	ca
Acetaldehyde	c	75-07-0			9.4E+01	nc
Acetamide,2-chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)-(9CI)		15972-60-8	5.5E+02	ca	8.4E+01	ca
Acetanilide,2-chloro-2',6'-diethyl-N-(methoxymethyl)-		15972-60-8	5.5E+02	ca	8.4E+01	ca
Acetic acid, 2-ethoxyethyl ester		111-15-9	2.0E+04	nc	1.1E+04	nc
Acetic acid, ethenyl ester		108-05-4	6.5E+04	nc	3.7E+04	nc
Acetic acid, ethyl ester		141-78-6	5.9E+04	nc	3.3E+04	nc
Acetic acid, ethylene ether		108-05-4	6.5E+04	nc	3.7E+04	nc
Acetic acid, vinyl ester		108-05-4	6.5E+04	nc	3.7E+04	nc
Acetochlor		34256-82-1	1.3E+03	nc	7.3E+02	nc
Acetone		67-64-1	2.0E+03	n	6.1E+02	nc
Acetone Cyanohydrin		75-86-5	5.2E+01	nc	2.9E+01	nc
Acetonitrile		75-05-8	3.9E+02	nc	2.2E+02	nc
Acetophenone		98-86-2	4.2E+03	nc	3.7E+03	nc
Acetoxyethane		141-78-6	5.9E+04	nc	3.3E+04	nc
1-Acetoxyethylene		108-05-4	6.5E+04	nc	3.7E+04	nc
Acid, ethylenebis(dithio-manganese salt		12427-38-2	3.2E+02	nc	1.8E+02	nc
Acid,methyl-,2-(1-methylethoxy)phenyl ester		114-26-1	2.6E+02	nc	1.5E+02	nc
Acifluorfen		50594-66-6	8.5E+02	nc	4.7E+02	nc
Acrolein		107-02-8	1.2E+03	nc	7.3E+02	nc
Acrylaldehyde		107-02-8	1.3E+03	nc	7.3E+02	nc
Acrylamide		79-06-1	9.8E+00	ca	1.5E+00	ca
Acrylic Acid		79-10-7	3.2E+04	nc	1.8E+04	nc
Acrylic acid, ethyl ester	c	140-66-2	6.5E+01	ca	2.3E+01	ca
Acrylic Aldehyde		107-02-8	1.3E+03	nc	7.3E+02	nc
Acrylon		107-13-1	1.3E+01	ca	3.7E+02	ca
Acrylonitrile		107-13-1	1.3E+01	ca	3.7E+02	ca
Adamsite	a	578-94-9	3.6E+01	ca	NA	NA
2-Aethylamino-4-Isopropylamino-6-Chlor-1,3,5-Triazin		1912-24-9	2.0E+02	ca	3.0E+01	ca
Alachlor		15972-60-8	5.5E+02	ca	8.4E+01	ca
Alar		1596-84-5	9.8E+03	nc	5.5E+03	nc
Aldicarb		116-06-3	6.5E+01	nc	3.7E+01	ca
Aldicarb Sulfone		1646-88-4	6.5E+01	nc	3.7E+01	nc
Aldrin		309-00-2	2.6E+00	ca	4.0E-01	ca
Ally		5585-64-8	1.6E+04	nc	9.1E+03	nc
Allyl Alcohol		107-18-6	3.3E+02	nc	1.8E+02	nc
Allyl Chloride		107-05-1	3.3E+03	nc	1.8E+03	nc
Allylic Alcohol		107-18-6	3.3E+02	nc	1.8E+02	nc
Alpha, Beta-Dichloroethane		107-06-2	4.4E+01	ca	1.2E+01	ca
Alpha,Alpha'-Dithiodis(Methylthio)Formamide		137-26-8	3.3E+02	nc	1.8E+02	nc
alpha,beta-Dichloroethane		107-06-2	4.4E+01	ca	1.2E+01	ca
Alpha,Gamma-Butadiene		106-99-0	8.6E-01	ca	1.1E+00	ca
Alpha-Chloropropylene		107-05-1	3.3E+03	nc	1.8E+03	nc
Alpha-Chlorotoluene		100-44-7	1.4E+02	ca	6.6E+00	ca
Aluminum		7429-90-5	7.7E+04	nc	3.7E+04	nc
Aluminum Phosphide		20859-73-8	3.1E+01	nc	1.5E+01	nc
Amdro		67485-29-4	2.0E+01	nc	1.1E+01	nc
Ametryn		834-12-8	5.9E+02	nc	3.3E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
4-Aminoaniline		106-50-3	1.2E+04	nc	6.9E+03	nc
p-Aminoaniline		106-50-3	1.2E+04	nc	6.9E+03	nc
4-(4-Aminobenzy)Aniline		101-77-9	1.8E+02	ca	2.7E+01	ca
6-Aminocaproic Acid		105-60-2	3.3E+04	nc	1.8E+04	nc
Aminocaproic Lactam		105-60-2	3.3E+04	nc	1.8E+04	nc
1-Amino-4-Chlorobenzene		106-47-8	2.6E+02	nc	1.5E+02	nc
Aminocyclohexane		108-91-8	1.3E+04	nc	7.3E+03	nc
3-Amino-2,5-Dichlorobenzoic Acid		133-90-4	9.8E+02	nc	5.5E+02	nc
4-Amino-6-(1,1-Dimethyl)-3-(Methylthio)-1,2,4-Triazin-One		21087-64-9	1.6E+03	nc	9.1E+02	nc
m-Aminophenol		591-27-5	4.6E+03	nc	2.6E+03	nc
Bis(2-Aminophenyl)Methane		101-77-9	1.8E+02	ca	2.7E+01	ca
Bis(p-Aminophenyl)Methane		101-77-9	1.8E+02	ca	2.7E+01	ca
4-Aminopyridine		504-24-5	1.3E+00	nc	7.3E-01	nc
4-Amino-6-Tert-Butyl-3-(Methylthio)-as-Triazin-5(4H)-one		21087-64-9	1.6E+03	nc	9.1E+02	nc
Amitraz		33089-61-1	1.6E+02	nc	9.1E+01	nc
Ammonia	c	7664-41-7	NA	NA	1.0E+03	nc
Ammonium Sulfamate		7773-06-0	1.3E+04	nc	7.3E+03	nc
Amoben		133-90-4	9.8E+02	nc	5.5E+02	nc
Aniline		62-53-3	1.9E+01	nc	1.1E+01	nc
Aniline, p-chloro-		106-47-8	2.6E+02	nc	1.5E+02	nc
Aniline,N,N-dimethyl-		121-69-7	1.3E+02	nc	7.3E+01	nc
Aniline,N-phenyl-		122-39-4	1.6E+03	nc	9.1E+02	nc
Anthracene		120-12-7	1.9E+01	nc	1.8E+03	nc
Anthracin		120-12-7	1.9E+01	nc	1.8E+03	nc
Antimonious Oxide		1309-64-4	3.1E+01	nc	1.5E+01	nc
Antimony and compounds		7440-36-0	3.1E+01	nc	1.5E+01	nc
Antimony Pentoxide		1314-60-9	3.8E+01	nc	1.8E+01	nc
Antimony Peroxide		1309-64-4	3.1E+01	nc	1.5E+01	nc
Antimony Potassium Tartrate		28300-74-5	6.9E+01	nc	3.3E+01	nc
Antimony Tetroxide		1332-81-6	3.1E+01	nc	1.5E+01	nc
Antimony Trioxide		1309-64-4	3.1E+01	nc	1.5E+01	nc
Antimony-Oxide		1309-64-4	3.1E+01	nc	1.5E+01	nc
Apollo		74115-24-5	8.5E+02	nc	4.7E+02	nc
Aramite		140-57-8	1.8E+03	ca	2.7E+02	ca
Aroclor 1016		12674-11-2	4.9E+00	nc	2.6E+00	nc
Aroclor 1254		11097-69-1	1.4E+00	nc	7.3E-01	nc
Aroclor		1336-36-3	6.6E+00	ca	8.7E-01	ca
Arsenic		7440-38-2	2.2E+01	nc	4.5E+00	ca
Arsine	a	7784-42-1	3.6E+01	ca	NA	NA
Assure		76578-12-6	5.9E+02	nc	3.3E+02	nc
Asulam		3337-71-1	3.3E+03	nc	1.8E+03	nc
Atrazine		1912-24-9	2.0E+02	ca	3.0E+01	ca
Avenge		43222-48-6	5.2E+03	nc	2.9E+03	nc
Avenge (Difenzoquat)		43222-48-6	5.2E+03	nc	2.9E+03	nc
Avermectin B1		71751-41-2	2.6E+01	nc	1.5E+01	nc
1-Aza-2-Cycloheptanone		105-60-2	3.3E+04	nc	1.8E+04	nc
Azabenzene		110-86-1	6.5E+01	nc	3.7E+01	nc
2-Azacycloheptanone		105-60-2	3.3E+04	nc	1.8E+04	nc
2H-azepin-2-one,hexahydro-		105-60-2	3.3E+04	nc	1.8E+04	nc
Azobenzene		103-33-3	4.0E+02	ca	6.1E+01	ca
Barium		7440-39-3	5.3E+03	nc	2.6E+03	nc
Barium Cyanide		542-62-1	7.7E+03	nc	3.7E+03	nc
Baygon		114-26-1	2.6E+02	nc	1.5E+02	nc
Bayleton		43121-43-3	2.0E+03	nc	1.1E+03	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Baythroid		68359-37-5	1.6E+03	nc	9.1E+02	nc
Benefin		1861-40-1	2.0E+04	nc	1.1E+04	nc
Benomyl		17804-35-2	3.3E+03	nc	1.8E+03	nc
Bentazon		25057-89-0	1.6E+02	nc	9.1E+01	nc
Benz(a)Anthracene		56-55-3	6.1E+01	ca	9.2E+00	ca
3,4-Benz(e)Acephenanthrylene		205-99-2	6.1E+01	ca	9.2E+01	ca
1,2-Benzacenaphthene		206-44-0	2.6E+03	ca	1.5E+03	nc
Benzaldehyde		100-52-7	6.5E+03	nc	3.7E+03	nc
Benzenamine,2,6-dinitro-N,N-dipropyl-4-		1582-09-8	5.8E+03	ca	8.7E+02	ca
Benzenamine,4,4'-methylenebis-		101-77-9	1.8E+02	ca	2.7E+01	ca
Benzene		71-43-2	1.4E+02	ca	3.9E+01	ca
Benzene Carbaldehyde		100-52-7	6.5E+03	nc	3.7E+03	nc
Benzene Chloride		108-90-7	1.6E+02	nc	3.9E+01	nc
Benzene, 1,1'-oxybis(2,3,4,5,6-pentabromo-(9Cl))		1163-19-5	6.5E+02	nc	3.7E+02	ca
Benzene, chloro-		108-90-7	1.6E+02	nc	3.9E+01	nc
Benzene, hexachloro-		118-74-1	2.8E+01	ca	4.2E+00	ca
Benzene, methyl-		108-88-3	1.9E+03	nc	7.2E+02	nc
Benzene, p-dichloro-		106-46-7	7.4E+02	ca	4.7E+01	ca
Benzene, 1,2,4-trichloro-		120-82-1	6.2E+02	nc	1.9E+02	nc
Benzene, 1,2-(1,8-naphthylene)-		206-44-0	2.6E+03	ca	1.5E+03	nc
Benzene, hydrazodi-		122-66-7	5.6E+01	ca	8.4E+00	ca
Benzene carbinol		100-51-6	2.0E+04	nc	1.1E+04	nc
Benzene carboxal		100-52-7	6.5E+03	nc	3.7E+03	nc
1,4-Benzenediamine		106-50-3	1.2E+04	nc	6.9E+03	nc
p-Benzenediamine		106-50-3	1.2E+04	nc	6.9E+03	nc
1,3-Benzene-dicarbonitrile,2,4,5,6-tetrachloro-		1897-45-6	4.0E+03	ca	6.1E+02	ca
Benzenedicarboxylate		117-84-0	1.3E+03	nc	7.3E+02	nc
1,2-Benzenedicarboxylic Acid, Bis(2-Ethylhexyl)Ester		117-81-7	3.2E+03	ca	4.8E+02	ca
1,2-Benzenedicarboxylic Acid, Dimethyl Ester		131-11-3	1.0E+05	nc	3.7E+05	nc
1,4-Benzenedicarboxylic Acid, Dimethyl Ester (9Cl)		120-61-6	6.5E+03	nc	3.7E+03	nc
1,4-Benzenediol		123-31-9	2.6E+03	nc	1.5E+03	nc
p-Benzenediol		123-31-9	2.6E+03	nc	1.5E+03	nc
Benzenemethanol		100-51-6	2.0E+04	nc	1.1E+04	nc
Benzenemethanol,4-chloro-alpha-(4-chlorophenyl)-alpha-		115-32-2	1.0E+02	ca	1.5E+01	ca
Benzenethiol	c	108-98-5	7.8E-01	nc	3.7E-01	nc
Benzenol		108-95-2	3.9E+04	nc	2.2E+04	nc
2,3-Benzofluoranthene		205-99-2	6.1E+01	ca	9.2E+00	ca
Benzhydrol,4,4'-dichloro-alpha-(trichloromethyl)-		115-32-2	1.0E+02	ca	1.5E+01	ca
Benzidine		92-87-5	1.9E-01	ca	2.9E-02	ca
Benzo Leather Blacke		1937-37-7	5.2E+00	ca	7.8E-01	ca
Benzo(a)Pyrene		50-32-8	6.1E+00	ca	9.2E-01	ca
Benzo(b)Fluoranthene		205-99-2	6.1E+01	ca	9.2E+00	ca
Benzo(def)Phenanthrene		129-00-0	2.0E+03	nc	1.1E+03	nc
Benzo(j)Fluoranthene		205-82-3	6.1E+01	ca	NA	NA
Benzo(jk)Fluorene		206-44-0	2.6E+03	ca	1.5E+03	nc
Benzo(k)Fluoranthene		207-08-9	6.1E+02	ca	9.2E+01	ca
Benzodioxathiepin-3-Oxide		115-29-7	3.3E+00	nc	1.8E+00	nc
Benzoepin		115-29-7	3.3E+00	nc	1.8E+00	nc
11,12-Benzofluoranthene		207-08-9	6.1E+02	ca	9.2E+01	ca
2,3-Benzofluoranthene		205-99-2	6.1E+01	ca	9.2E+00	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
3,4-Benzofluoranthene		205-99-2	6.1E+01	ca	9.2E+00	ca
8,9-Benzofluoranthene		207-08-9	6.1E+02	ca	9.2E+01	ca
Benzoic Acid		65-85-0	1.0E+05	nc	1.5E+05	nc
Benzoic acid,3-amino-2,5-dichloro-		133-90-4	9.8E+02	nc	5.5E+02	nc
Benzoicaldehyde		100-52-7	6.5E+03	nc	3.7E+03	nc
Benzotrichloride		98-07-7	3.4E+00	ca	5.2E-01	ca
Benzyl Alcohol		100-51-6	2.0E+04	nc	1.1E+04	nc
Benzyl Chloride		100-44-7	1.4E+02	ca	6.6E+00	ca
Beryllium and compounds		7440-41-7	1.4E+01	ca	1.6E+00	ca
beta-Chloronaphthalene		91-58-7	5.2E+03	nc	2.9E+03	nc
beta-Ethoxyethyl acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
BHC		608-73-1	2.5E+01	ca	3.7E+00	ca
N,N'-Bianiline		122-66-7	5.6E+01	ca	8.4E+00	ca
Bidrin		141-66-2	6.5E+00	nc	3.7E+00	nc
2,3,1',8'-Binaphthylene		207-08-9	6.1E+02	ca	9.2E+01	ca
Biphenthrin (Talstar)		82657-04-3	9.8E+02	nc	5.5E+02	nc
1,1-Biphenyl		92-52-4	3.3E+03	nc	1.8E+03	nc
Biphenyl, polychloro-		1336-36-3	6.6E+00	ca	8.7E-01	ca
Bis(4-aminophenyl)methane		101-77-9	1.8E+02	ca	2.7E+01	ca
Bis(p-aminophenyl)methane		101-77-9	1.8E+02	ca	2.7E+01	ca
Bis(beta-chloroethyl) ether		111-44-4	7.4E+00	ca	9.8E-01	ca
Bis(2-Chloroethyl)Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
bis(2-chloroethyl)sulfide	d	505-60-2	2.7E+00	nc	2.6E-01	nc
Bis(2-Chloroisopropyl)Ether		39638-32-9	3.9E+02	ca	2.7E+01	ca
Bis(Chloromethyl)Ether		542-88-1	1.4E-02	ca	5.2E-03	ca
Bis(2-Chloro-1-Methylethyl)Ether		108-60-1	6.3E+02	ca	9.6E+01	ca
1,1-Bis(p-Chlorophenol)-2,2,2-Trichloroethanol		115-32-2	1.0E+02	ca	1.5E+01	ca
Bis(1-chloro-2-propyl)ether		108-60-1	6.3E+02	ca	9.6E+01	ca
Bis(dimethylamino)carbonothioyl)disulphide		137-26-8	3.3E+02	nc	1.8E+02	nc
Bis(dimethylthiocarbamoyl) disulfide		137-26-8	3.3E+02	nc	1.8E+02	nc
Bis(2-Ethylhexyl)Phthalate		117-81-7	3.2E+03	ca	4.8E+02	ca
Bis(p-isocyanato-phenyl)methane		101-68-8	3.7E-01	nc	2.1E-01	nc
Bis(pentabromophenyl) ether		1163-19-5	6.5E+02	nc	3.7E+02	ca
Bisphenol A		80-05-7	3.3E+03	nc	1.8E+03	nc
Bivinyl		106-99-0	8.6E-01	ca	1.1E+00	ca
Boron		7440-42-8	5.9E+03	nc	3.3E+03	nc
Bromodichloromethane		75-27-4	1.4E+02	ca	1.8E+01	ca
Bromoethene		593-60-2	4.5E+01	ca	1.0E+01	ca
Bromoform		75-25-2	5.6E+03	ca	8.5E+02	ca
Bromofume		106-93-4	5.1E-01	ca	7.6E-02	ca
Bromomethane		74-83-9	1.5E+01	nc	8.7E+00	nc
4-Bromophenyl Phenyl Ether	c	101-55-3	4.5E+03	nc	2.1E+03	nc
Bromophos		2104-96-3	3.3E+02	nc	1.8E+02	nc
Bromoxynil		1689-84-5	1.3E+03	nc	1.8E+02	nc
Bromoxynil Octanoate		1689-99-2	1.3E+03	nc	7.3E+02	nc
Butadiene		106-99-0	8.6E-01	ca	1.1E+00	ca
1,3-Butadiene		106-99-0	8.6E-01	ca	1.1E+00	ca
1,3-Butadiene,2-chloro-		126-99-8	6.3E+00	nc	1.4E+01	nc
Butane, 1-chloro-		109-69-3	1.0E+03	sat nc	2.4E+03	nc
1-Butanol		71-36-3	6.5E+03	nc	3.7E+03	nc
2-Butenal, (E)-		123-73-9	1.6E+00	nc	5.9E-01	ca
2-Butenal		123-73-9	1.6E+00	ca	5.9E-01	ca
1,2-Butene Oxide		106-88-7	3.7E+02	nc	2.1E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1-Butene Oxide		106-88-7	3.7E+02	nc	2.1E+02	nc
Butene, 1,2-epoxy-		106-88-7	3.7E+02	nc	2.1E+02	nc
2-Butoxy Ethanol		111-76-2	3.7E+02	nc	2.1E+02	nc
Butoxyethanol		111-76-2	3.7E+02	nc	2.1E+02	nc
2-Butoxy-1-Ethanol		111-76-2	3.7E+02	nc	2.1E+02	nc
n-Butoxyethanol		111-76-2	3.7E+02	nc	2.1E+02	nc
Butyl Benzyl Phthalate		85-68-7	1.3E+04	nc	7.3E+03	nc
Butyl Cellosolve		111-76-2	3.7E+02	nc	2.1E+02	nc
Butyl Chloride		109-69-3	1.0E+03	sat nc	2.4E+03	nc
n-Butyl chloride		109-69-3	1.0E+03	sat nc	2.4E+03	nc
Butylate		2008-41-5	3.3E+03	nc	1.8E+03	nc
sec-Butylbenzene	c	135-98-8	7.8E+02	nc	6.1E+01	nc
tert-Butylbenzene	c	104-51-8	7.8E+02	nc	6.1E+01	nc
Butyl-3-(Methylthio)-1,2,4-Triazin-5-One		21087-64-9	1.6E+03	nc	9.1E+02	nc
Butylphthalyl Butylglycolate		85-70-1	6.5E+04	nc	3.7E+04	nc
Cacodylic Acid		75-60-5	2.0E+02	nc	1.1E+02	nc
Cadmium and compounds		7440-43-9	3.8E+01	nc	1.8E+01	nc
Calcium Cyanide		592-01-8	3.1E+03	nc	1.5E+03	nc
Caprolactam		105-60-2	3.3E+04	nc	1.8E+04	nc
Captfol		2425-06-1	5.2E+03	ca	7.8E+02	ca
Captan		133-06-2	1.3E+04	ca	1.9E+03	ca
Carbamic acid, methyl-,o-isopropoxymethyl ester		114-26-1	2.6E+02	nc	1.5E+02	nc
Carbamic acid,diisobutylthio-,s-ethyl ester		2008-41-5	3.3E+03	nc	1.8E+03	nc
Carbamic acid,methyl-,2,3-dihydro-2,2-dimethyl-7-benzofuranyl		1563-66-2	3.3E+02	nc	1.8E+02	nc
Carbaryl		63-25-2	6.5E+03	nc	3.7E+03	nc
Carbazole		86-74-8	2.2E+03	ca	3.4E+02	ca
Carbitol		111-90-0	1.1E+05	nc	7.3E+04	nc
Carbitol Cellosolve		111-90-0	1.1E+05	nc	7.3E+04	nc
Carbofuran		1563-66-2	3.3E+02	nc	1.8E+02	nc
Carbon Dichloride		127-18-4	7.0E+02	ca	1.1E+02	ca
Carbon Disulfide		75-15-0	1.6E+01	nc	2.1E+01	nc
Carbon Tetrachloride		56-23-5	4.7E+01	ca	1.7E+01	ca
Carbosulfan		55285-14-8	6.5E+02	nc	3.7E+02	nc
Carboxin		5234-68-4	6.5E+03	nc	3.7E+03	nc
Cellosolve Acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
Cellosolve		110-80-5	2.6E+04	nc	1.5E+04	nc
Chloral		302-17-0	1.3E+02	nc	7.3E+01	nc
Chlorallylene		107-05-1	3.3E+03	nc	1.8E+03	nc
Chloramben		133-90-4	9.8E+02	nc	5.5E+02	nc
Chlorambene		133-90-4	9.8E+02	nc	5.5E+02	nc
Chloramide		10599-90-3	6.5E+03	nc	3.7E+03	nc
Chloramine		10599-90-3	6.5E+03	nc	3.7E+03	nc
Chloranil		118-75-2	1.1E+02	ca	1.7E+01	ca
Chlordane		57-74-9	3.4E+01	ca	5.2E+00	ca
Chlordane, alpha- (2)		57-74-9	3.4E+01	ca	5.2E+00	ca
Chlordane, gamma-		57-74-9	3.4E+01	ca	5.2E+00	ca
Chlorimuron-Ethyl		90982-32-4	1.3E+03	nc	7.3E+02	nc
Chlorinated Biphenyl		1336-36-3	6.6E+00	ca	8.7E-01	ca
Chlorine		7782-50-5	7.7E+03	nc	3.7E+03	nc
Chloro-1,3-butadiene, 2-		126-99-8	6.3E+00	nc	1.4E+01	nc
Chloro-2,2-methylaniline hydrochloride, 4-		3165-93-3	9.7E+01	ca	1.5E+01	ca
Chloro-2-methylaniline, 4-		95-69-2	7.7E+01	ca	1.2E+01	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1-Chloro-4-Nitrobenzene		95-69-2	7.7E+01	ca	1.2E+01	ca
4-Chloro-Alpha-(4-Chlorophenyl)-Alpha-Benzenemethanol		115-32-2	1.0E+02	ca	1.5E+01	ca
Chloroacetaldehyde	c	107-20-0	5.4E+02	nc	2.5E+02	nc
Chloroacetic Acid		79-11-8	1.3E+02	nc	7.3E+01	nc
2-Chloroacetophenone		532-27-4	7.5E-02	nc	5.2E-02	nc
4-Chloroaniline		106-47-8	2.6E+02	nc	1.5E+02	nc
p-Chloroaniline		106-47-8	2.6E+02	nc	1.5E+02	nc
4-Chlorobenzenamine		106-47-8	2.6E+02	nc	1.5E+02	nc
Chlorobenzene		108-90-7	1.6E+02	nc	3.9E+01	nc
p-Chlorobenzene		106-46-7	7.4E+02	ca	4.7E+01	ca
Chlorobenzilate		510-15-6	1.6E+02	ca	2.5E+01	ca
p-Chlorobenzoic Acid		74-11-3	1.3E+04	nc	7.3E+03	nc
Chlorobenzol		108-90-7	1.6E+02	nc	3.9E+01	nc
4-Chlorobenzotrifluoride		98-56-6	1.3E+03	nc	7.3E+02	nc
2-Chloro-4,6-Bis(Ethylamino)-s-Triazine		122-34-9	3.7E+02	ca	5.6E+01	ca
1-Chloro-3,5-Bisethylamino-2,4,6-Triazine		122-34-9	3.7E+02	ca	5.6E+01	ca
Chlorobutadiene		126-99-8	6.3E+00	nc	1.4E+01	nc
2-Chloro-1,3-Butadiene		126-99-8	6.3E+00	nc	1.4E+01	nc
1-Chlorobutane		109-69-3	1.0E+03	sat nc	2.4E+03	nc
Chlorodibromomethane		124-48-1	5.3E+02	ca	1.0E+02	ca
2-Chloro-N-(2,6-Diethyl)Phenyl-N-Methoxymethylacetamide		15972-60-8	5.5E+02	ca	8.4E+02	ca
6-Chloro-N,N'-Diethyl-1,3,5-Triazine-2,4-Diamine		122-34-9	3.7E+02	ca	5.6E+01	ca
2-Chloro-2,6-Diethyl-N-(Methoxy-methyl)Acetanilide		15972-60-8	5.5E+02	ca	8.4E+02	ca
Chlorodifluoroethane		75-45-6	5.7E+02	sat nc	8.7E+04	nc
1-Chloro-1,1-Difluoroethane		75-45-6	5.7E+02	sat nc	8.7E+04	nc
1-Chloro-2,3-Epoxypropane		106-89-8	1.2E+01	nc	2.0E+00	nc
3-Chloro-1,2-Epoxypropane		106-89-8	1.2E+01	nc	2.0E+00	nc
Chloroethane		75-00-3	3.1E+04	nc	8.6E+03	nc
(2-Chloroethoxy)ethene	c	110-75-8	2.0E+03	nc	1.5E+02	nc
2-Chloroethyl Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
2-Chloroethyl Phosphonic Acid		16672-87-0	3.3E+02	nc	1.8E+02	nc
2-Chloroethyl Vinyl Ether	c	110-75-8	2.0E+03	nc	1.5E+02	nc
Bis(2-Chloroethyl)Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
Bis(beta-Chloroethyl)Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
Chloroform		67-66-3	5.3E+01	ca	1.6E+01	ca
Chloromethane		74-87-6	2.0E+02	ca	1.5E+02	ca
2-(Chloromethyl)Oxirane		106-89-8	1.2E+01	nc	2.0E+00	nc
4-Chloro-2-Methylaniline Hydrochloride		3165-93-3	9.7E+01	ca	1.5E+01	ca
4-Chloro-2-Methylaniline		95-69-2	7.7E+01	ca	1.2E+01	ca
Chloromethylbenzene		100-44-7	1.4E+02	ca	6.6E+00	ca
beta-Chloronaphthalene		91-58-7	5.2E+03	nc	2.9E+03	nc
4-Chloro-1-Nitrobenzene		91-58-7	5.2E+03	ca	2.9E+03	nc
o-Chloronitrobenzene		88-73-3	1.8E+03	ca	2.7E+02	ca
p-Chloronitrobenzene		100-00-5	2.5E+03	ca	3.7E+02	ca
1-Chloro-4-Nitrobenzene		100-00-5	2.5E+03	ca	3.7E+02	ca
2-Chlorophenol		95-57-8	3.3E+02	nc	1.8E+02	nc
p-Chlorophenyl chloride		106-46-7	7.4E+02	ca	4.7E+01	ca
4-Chlorophenylamine		106-47-8	2.6E+02	nc	1.5E+02	nc
Chlorophenylmethane		100-44-7	1.4E+02	ca	6.6E+00	ca
Chloropicrin	a	76-06-2	1.6E+02	nc	NA	NA
Chloroprene		126-99-8	6.3E+00	nc	1.4E+01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
3-Chloroprene		107-05-1	3.3E+03	nc	1.8E+03	nc
Beta-Chloroprene		126-99-8	6.3E+00	nc	1.4E+01	nc
2-Chloropropane		75-29-6	3.5E+02	sat nc	1.7E+02	nc
3-Chloropropene		107-05-1	3.3E+03	nc	1.8E+03	nc
Bis(1-Chloro-2-Propyl)Ether		108-60-1	6.3E+02	ca	9.6E+01	ca
3-Chloro-1,2-Propylene Oxide		106-89-8	1.2E+01	nc	2.0E+00	nc
3-Chloropropylene		107-05-1	3.3E+03	nc	1.8E+03	nc
Chlorothanlonil		1897-45-6	4.0E+03	ca	6.1E+02	ca
o-Chlorotoluene		95-49-8	3.4E+02	nc	1.2E+02	nc
Chlorpropham		101-21-3	1.3E+04	nc	7.3E+03	nc
Chlorpyrifos		2921-88-2	2.0E+02	nc	1.1E+02	nc
Chlorpyrifos-Methyl		5598-13-0	6.5E+02	nc	3.7E+02	nc
Chlorsulfuron		64902-72-3	3.3E+03	nc	1.8E+03	nc
Chlorthiophos		602-38-56-4	5.2E+01	nc	2.9E+01	nc
Chrome leather brilliant blacker		1937-37-7	5.2E+00	ca	7.8E-01	ca
Chromium		7440-47-3	3.0E+03	ca	1.8E+02	nc
Chrysene		218-01-9	2.4E+03	ca	9.2E+02	ca
cis-1,2-Dichloroethylene		156-59-2	5.9E+01	nc	6.1E+01	nc
cis-Butenedioic Anhydride		108-31-6	6.5E+03	nc	3.7E+03	nc
cis-Dichloroethylene		156-59-2	5.9E+01	nc	6.1E+01	nc
Colbalt		7440-48-4	4.6E+03	nc	2.2E+03	nc
Copper and compounds		7440-48-4	2.8E+03	nc	1.4E+03	nc
Copper Cyanide		544-92-3	3.8E+02	nc	1.8E+02	nc
Counter Solid Insecticide		13071-79-9	1.6E+00	nc	9.1E-01	nc
2-Cresol		95-48-7	3.3E+03	nc	1.8E+03	nc
3-Cresol		108-39-4	3.3E+03	nc	1.8E+03	nc
4-Cresol		106-44-5	3.3E+02	nc	1.8E+02	nc
m-Cresol		108-39-4	3.3E+03	nc	1.8E+03	nc
o-Cresol		95-48-7	3.3E+03	nc	1.8E+03	nc
p-Cresol		106-44-5	3.3E+02	nc	1.8E+02	nc
p-Cresylic acid		106-44-5	3.3E+02	nc	1.8E+02	nc
Crotonal		123-73-9	1.6E+00	ca	5.9E-01	ca
Crotonaldehyde		123-73-9	1.2E+00	ca	5.9E-01	ca
Crotonaldehyde, (E)-		123-73-9	1.2E+00	ca	5.9E-01	ca
Cumene		98-82-8	4.9E+01	sat nc	1.9E+01	nc
Cyanazine		21725-46-2	5.3E+01	ca	8.0E+00	ca
Cyanide (free)		57-12-5	1.3E+03	nc	7.3E+02	nc
Cyanide of potassium		151-50-8	3.3E+03	nc	1.8E+03	nc
Cyanide of sodium		143-33-9	2.6E+03	nc	1.5E+03	nc
2-Cyanoethanol		109-78-4	2.0E+04	nc	1.1E+04	nc
2-Cyanoethyl Alcohol		109-78-4	2.0E+04	nc	1.1E+04	nc
Cyanogen		460-19-5	2.6E+03	nc	1.5E+03	nc
Cyanogen Bromide		506-68-3	5.9E+03	nc	3.3E+03	nc
Cyanogen Chloride		506-77-4	3.3E+03	nc	1.8E+03	nc
Cyanopropene-1		126-98-7	1.3E+00	nc	1.0E+00	nc
Cyclohexanamine		108-91-8	1.3E+04	nc	7.3E+03	nc
Cyclohexane, methyl-		108-87-2	5.6E+04	nc	3.1E+04	nc
Cyclohexanone		108-94-1	1.0E+05	max	1.8E+05	nc
Cyclohexlamine		108-91-8	1.3E+04	nc	7.3E+03	nc
Cyclohexyl Amine		108-91-8	1.3E+04	nc	7.3E+03	nc
Cyclohexyl Ketone		108-94-1	1.0E+05	max	1.8E+05	nc
Cyclohexylamine		108-91-8	1.3E+04	nc	7.3E+03	nc
Cyclohexylmethane		108-87-2	5.6E+04	nc	3.1E+04	nc
Cyclonite		121-82-4	4.0E+02	ca	6.1E+01	ca
1,8-Cyclopenta(de)Naphthalene		207-08-9	6.1E+02	ca	9.2E+01	ca
Cyhalothrin/Karate		68085-85-8	3.3E+02	nc	1.8E+02	nc
Cypermethrin		52315-07-8	6.5E+02	nc	3.7E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Cyromazine		66215-27-8	4.9E+02	nc	2.7E+02	nc
Daconil 2787		1897-45-6	4.0E+03	ca	6.1E+02	ca
Dacthal		1861-32-1	6.5E+02	nc	3.7E+02	nc
Dalapon		75-99-0	2.0E+03	nc	1.1E+03	nc
Danitol		39515-41-8	1.6E+03	nc	9.1E+02	nc
2,4-DCP		120-83-2	2.0E+02	nc	1.1E+02	nc
DDD		72-54-8	1.9E+02	ca	2.8E+01	ca
4,4-DDD		72-54-8	1.9E+02	ca	2.8E+01	ca
DDE		72-55-9	1.3E+02	ca	2.0E+01	ca
4,4-DDE		72-55-9	1.3E+02	ca	2.0E+01	ca
DDT		50-29-3	1.3E+02	ca	2.0E+01	ca
4,4-DDT		50-29-3	1.3E+02	ca	2.0E+01	ca
Decabromobiphenyl Ether		1163-19-5	6.5E+02	nc	3.7E+02	ca
Decabromodiphenyl Ether		1163-19-5	6.5E+02	nc	3.7E+02	ca
Decabromodiphenyl Oxide		1163-19-5	6.5E+02	nc	3.7E+02	ca
DEHP		117-81-7	3.2E+03	ca	4.8E+02	ca
Demeton		8065-48-3	2.6E+00	nc	1.5E+00	nc
Di-(p-chlorophenyl) trichloromethylcarbinol		115-32-2	1.0E+02	ca	1.5E+01	ca
Diallate		2303-16-4	7.3E+02	ca	1.1E+02	ca
p-Diaminobenzene		106-50-3	1.2E+04	nc	6.9E+03	nc
1,2-Diaminoethane		107-15-3	1.3E+03	nc	7.3E+02	nc
Diazinon		333-41-5	5.9E+01	nc	3.3E+01	nc
Dibenz[ah]anthracene		53-70-3	6.1E+00	ca	9.2E-01	ca
Dibenz(a,h)Acridine	j	RRSE-001	6.1E+01	ca	NA	NA
Dibenz(a,j)Acridine		224-42-0	6.1E+00	ca	9.2E-01	ca
Dibenz(a,h)Anthracene		53-70-3	6.1E+00	ca	9.2E-01	ca
Dibenzo(b,e)(1,4)dioxin,2,3,7,8-tetrachloro-		1746-01-6	3.8E-04	ca	4.5E-05	ca
Dibenzo-p-dioxin,2,3,7,8-tetrachloro-		1746-01-6	3.8E-04	ca	4.5E-05	ca
7H-Dibenzo(c,g)Carbazole		RRSE-002	6.1E+01	ca	NA	NA
Dibenzo(b,jk)Fluorene		207-08-9	6.1E+02	ca	9.2E+01	ca
Dibenzofuran		132-64-9	2.6E+02	nc	1.5E+02	nc
1,2,5,6-Dibenzonaphthalene		218-01-9	2.4E+01	ca	9.2E+02	ca
Dibenzo(a,e)Pyrene		RRSE-003	6.1E+00	ca	NA	NA
Dibenzo(a,h)Pyrene		RRSE-004	6.1E+00	ca	NA	NA
Dibenzo(a,i)Pyrene		RRSE-005	6.1E-01	ca	NA	NA
Dibenzo(a,l)Pyrene		RRSE-006	6.1E-01	ca	NA	NA
1,4-Dibromobenzene		106-37-6	6.5E+02	nc	3.7E+02	nc
Dibromochloromethane		124-48-1	5.3E+02	ca	1.0E+02	ca
1,2-Dibromo-3-Chloropropane		96-12-8	3.2E+01	ca	4.8E+00	ca
Dibromoethane		106-93-4	5.1E-01	ca	7.6E-02	ca
1,2-Dibromoethane		106-93-4	5.1E-01	ca	7.6E-02	ca
Dibutyl Phthalate		84-74-2	6.5E+03	nc	3.7E+03	nc
Dicamba		1918-00-9	2.0E+03	nc	1.1E+03	nc
Dichloro-2-butene, 1,4-		764-41-0	7.6E-01	ca	1.2E-01	ca
2,5-Dichloro-3-Aminobenzoic Acid		133-90-4	9.8E+02	nc	5.5E+02	nc
4,4'-Dichloro-alpha-(Trichloromethyl)Benzydrol		115-32-2	1.0E+02	ca	1.5E+01	ca
1,4-Dichlorobenzene(p)		106-46-7	7.4E+02	ca	4.7E+01	ca
1,2-Dichlorobenzene		95-50-1	2.3E+03	nc	3.7E+02	nc
1,3-Dichlorobenzene		541-73-1	2.8E+03	nc	NA	NA
1,4-Dichlorobenzene		106-46-7	7.4E+02	ca	4.7E+01	ca
p-Dichlorobenzene		106-46-7	7.4E+02	ca	4.7E+01	ca
3,3'-Dichlorobenzidine		91-94-1	9.9E+01	ca	1.5E+01	ca
3,3-Dichlorobenzidine		91-94-1	9.9E+01	ca	1.5E+01	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,4-Dichloro-2-Butene		764-41-0	7.6E-01	ca	1.2E-01	ca
Dichloro(2-Chlorovinyl)arsine	e	541-25-3	3.9E+01	nc	3.7E+00	nc
Dichlorodiethyl Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
Dichlorodifluoromethane		75-71-8	1.1E+02	nc	3.9E+02	nc
Dichlorodiisopropyl Ether		108-60-1	6.3E+02	ca	9.6E+01	ca
1,1-Dichloroethane		75-34-3	8.4E+02	nc	8.1E+02	nc
1,2-Dichloroethane (EDC)		107-06-2	4.4E+01	ca	1.2E+01	ca
2,2'-Dichloroethyl Ether		111-44-4	7.4E+00	ca	9.8E-01	ca
1,2-Dichloroethylene (cis)		156-59-2	5.9E+01	nc	6.1E+01	nc
1,2-Dichloroethylene (Total)		540-59-0	7.5E+01	nc	5.5E+01	nc
1,2-Dichloroethylene (trans)		156-60-5	1.7E+02	nc	1.2E+02	nc
1,1-Dichloroethylene		75-35-4	3.8E+00	ca	4.6E+00	ca
1,2-Dichloroethylene (mixture)		540-59-0	7.5E+01	nc	5.5E+01	nc
1,2-Dichloroethylene, (z)-		156-59-2	5.9E+01	nc	6.1E+01	nc
2,4-Dichlorohydroxybenzene		120-83-2	2.0E+02	nc	1.1E+02	nc
2,4-Dichlorophenol		120-83-2	2.0E+02	nc	1.1E+02	nc
4-(2,4-Dichlorophenoxy)Butyric Acid (2,4-DB)		94-82-6	5.2E+02	nc	2.9E+02	nc
2,4-Dichlorophenoxyacetic Acid (2,4-D)		94-75-7	6.5E+02	nc	3.7E+02	nc
Di-(p-Chlorophenyl)-Trichloromethyl-carbinol		115-32-2	1.0E+02	ca	1.5E+01	ca
Dichloropropane		78-87-5	6.8E+01	ca	1.6E+01	ca
1,2-Dichloropropane		78-87-5	6.8E+01	ca	1.6E+01	ca
2,3-Dichloropropanol		616-23-9	2.0E+02	nc	1.1E+02	nc
Dichloropropene		542-75-6	5.1E+01	ca	8.1E+00	ca
1,3-Dichloropropene		542-75-6	5.1E+01	ca	8.1E+00	ca
Dichlorvos		62-73-7	1.5E+02	ca	2.3E+01	ca
Dicofol		115-32-2	1.0E+02	ca	1.5E+01	ca
Dicyclopentadiene		77-73-6	NA	NA	4.2E-01	nc
Dieldrin		60-57-1	2.8E+00	ca	4.2E-01	ca
Diethyl mercaptosuccinate s-ester with O,O-		121-75-5	1.3E+03	nc	7.3E+02	nc
O,O-Diethyl Mercaptosuccinate		121-75-5	1.3E+03	nc	7.3E+02	nc
Diethyl Phthalate		84-66-2	5.2E+04	nc	2.9E+04	nc
(Diethylamino)Ethane		121-44-8	1.0E+01	nc	1.2E+01	nc
1,4-Diethylene Dioxide		123-91-1	1.8E+03	ca	1.0E+02	ca
Diethylene Glycol Ethyl Ether		111-90-0	1.1E+05	nc	7.3E+04	nc
Diethylene Glycol, Monobutyl Ether		112-34-5	3.7E+02	nc	2.1E+02	nc
Diethylene Glycol, Monoethyl Ether		111-90-0	1.0E+05	nc	7.3E+04	nc
1,4-Diethyleneoxide		123-91-1	1.8E+03	ca	1.0E+02	ca
N,N-Diethylethanamine		121-44-8	1.0E+01	nc	1.2E+01	nc
Diethylformamide		617-84-5	7.2E+02	nc	4.0E+02	nc
Di(2-Ethylhexyl)Adipate		103-23-1	3.7E+02	nc	5.6E+01	nc
Di(2-Ethylhexyl)Orthophthalate		117-81-7	3.2E+03	ca	4.8E+02	ca
Di(2-Ethylhexyl)Phthalate		117-81-7	3.2E+03	ca	4.8E+02	ca
Diethylstilbestrol		56-53-1	9.5E-03	ca	1.4E-03	ca
Difenzoquat (Avenge)		43222-48-6	5.2E+03	nc	2.9E+03	nc
Diflubenzuron		35367-38-5	1.3E+03	nc	7.3E+02	nc
1,1-Difluoroethane		75-37-6	NA	NA	6.9E+04	nc
Dihydro-2,2-Dimethyl-7-Benzofuranyl Ester		1563-66-2	3.3E+02	nc	1.8E+02	nc
Dihydroxybenzene		123-31-9	2.6E+03	nc	1.5E+03	nc
1,4-Dihydroxybenzene		123-31-9	2.6E+03	nc	1.5E+03	nc
p-Dihydroxybenzene		123-31-9	2.6E+03	nc	1.5E+03	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Diisobutylthiocarbamic Acid s-Ethyl Ester		2008-41-5	3.3E+03	nc	1.8E+03	nc
4,4'-Diisocyanatodiphenyl-methane		101-68-8	3.7E-01	nc	2.1E-01	nc
Diisopropyl Methylphosphonate (DIMP)		1445-75-6	5.2E+03	nc	2.9E+03	nc
S-2-Diisopropylaminoethyl O-ethyl methylphosphonothioate	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Dimethipin		55290-64-7	1.3E+03	nc	7.3E+02	nc
Dimethoate		60-51-5	1.3E+01	nc	7.3E+00	nc
3,3'-Dimethoxybenzidine	c	119-90-4	3.2E+03	ca	4.8E+02	ca
Dimethyl 1,4-benzenedicarboxylate		120-61-6	6.5E+03	nc	3.7E+03	nc
Dimethyl Dithiophosphate		121-75-5	1.3E+03	nc	7.3E+02	nc
Dimethyl Phthalate		131-11-3	1.0E+05	nc	3.7E+05	nc
Dimethyl-p-Phthalate		120-61-6	6.5E+03	nc	3.7E+03	nc
Dimethyl Terephthalate		120-61-6	6.5E+03	nc	3.7E+03	nc
Dimethylamidoethoxy-phosphoryl cyanide	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Dimethylamine		124-40-3	6.2E-02	nc	3.5E-02	nc
Bis((Dimethylamino) Carbonothiol) Disulphide		137-26-8	3.3E+02	nc	1.8E+02	nc
(Dimethylamino)benzene		121-69-7	1.3E+02	nc	7.3E+01	nc
Dimethylaminoethoxy-cyanophosphine oxide	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Bis(p-Dimethylaminophenyl) Methane		101-61-1	9.7E+02	ca	1.5E+02	ca
Dimethylaniline		121-69-7	1.3E+02	nc	7.3E+01	nc
2,4-Dimethylaniline Hydrochloride		21436-96-4	7.7E+01	ca	1.2E+01	ca
2,4-Dimethylaniline		95-68-1	5.9E+01	ca	9.0E+00	ca
N-N-Dimethylaniline		121-69-7	1.3E+02	nc	7.3E+01	nc
7,12-Dimethylbenzanthracene		57-97-6	6.1E-01	ca	NA	NA
Dimethylbenzene		1330-20-7	9.9E+02	sat nc	1.4E+03	nc
1,3-Dimethylbenzene		108-38-3	9.9E+02	sat nc	1.4E+03	nc
1,4-Dimethylbenzene		106-42-3	9.9E+02	sat nc	5.2E+02	nc ^c
p-Dimethylbenzene		106-42-3	9.9E+02	sat nc	5.2E+02	nc ^c
N,N-Dimethylbenzeneamine		121-69-7	1.3E+02	nc	7.3E+01	nc
Dimethyl-1,4-Benzene dicarboxylate		120-61-6	6.5E+03	nc	3.7E+03	nc
3,3'-Dimethylbenzidine		119-93-7	4.8E+00	ca	7.3E-01	ca
(((1,1-Dimethylethyl)Thio)Methyl) o,o-Diethyl Ester		13071-79-9	1.6E+00	nc	9.1E-01	nc
N,N-Dimethylformamide		68-12-2	6.5E+03	nc	3.7E+03	nc
1,1-Dimethylhydrazine		57-14-7	1.7E+01	ca	2.6E+00	ca
1,2-Dimethylhydrazine		540-73-8	1.2E+00	ca	1.8E-01	ca
2,4-Dimethylphenol		105-67-9	1.3E+03	nc	7.3E+02	nc
2,6-Dimethylphenol		576-26-1	3.9E+01	nc	2.2E+01	nc
3,4-Dimethylphenol		95-65-8	6.5E+01	nc	3.7E+01	nc
4,6-Dimethylphenol		105-67-9	1.3E+03	nc	7.3E+02	nc
Dimethylphenylamine		121-69-7	1.3E+02	nc	7.3E+01	nc
Dimethylphosphoramido-cyanidic acid, ethyl ester	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Bis(Dimethylthiocarbamoyl) Disulfide		137-26-8	3.3E+02	nc	1.8E+02	nc
1,1-Dimethyl-3-(3-Trifluoromethyl-phenyl)Urea		2164-17-2	8.5E+02	nc	4.7E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,1-Dimethyl-3-(alpha, alpha, alpha-Trifluoro-m-Tolyl)Urea		2164-17-2	8.5E+02	nc	4.7E+02	nc
Dinitrotoluene		121-14-2	1.3E+02	nc	7.3E+01	nc
1,2-Dinitrobenzene		528-29-0	2.6E+01	nc	1.5E+01	nc
1,3-Dinitrobenzene		99-65-0	6.5E+00	nc	3.7E+00	nc
1,4-Dinitrobenzene		100-25-4	2.6E+01	nc	1.5E+01	nc
4,6-Dinitro-o-cyclohexyl Phenol		131-89-5	1.3E+02	nc	7.3E+01	nc
2,6-Dinitro-N,N-Dipropyl-4-Benzenamine		1582-09-8	5.8E+03	ca	8.7E+02	ca
2,4-Dinitrophenol		51-28-5	1.3E+02	nc	7.3E+01	nc
1,6-Dinitropyrene		RRSE-007	2.8E-01	ca	NA	NA
1,8-Dinitropyrene		RRSE-008	6.1E-01	ca	NA	NA
Dinitrotoluene Mixture		25321-14-6	6.5E-01	ca	9.9E-02	ca
2,4-Dinitrotoluene		121-14-2	1.3E+02	nc	7.3E+01	nc
2,6-Dinitrotoluene		606-20-2	6.5E+01	ca	3.7E+01	ca
2,4-Dinitrotoulol		121-14-2	1.3E+02	nc	7.3E+01	nc
Dinitro-4-Trifluoromethylaniline		1582-09-8	5.8E+03	ca	8.7E+02	ca
Dinoseb		88-85-7	6.5E+01	nc	3.7E+01	nc
Di-n-Octyl Phthalate		117-84-0	1.3E+03	nc	7.3E+02	nc
Dioxane		123-91-1	1.8E+03	ca	1.0E+02	ca
1,4-Dioxane		123-91-1	1.4E+03	ca	1.0E+02	ca
p-Dioxane		123-91-1	1.4E+03	ca	1.0E+02	ca
Dioxin		1746-01-6	3.8E-04	ca	4.5E-05	ca
1,4-Dioxyaclohexane		123-91-1	1.4E+03	ca	1.0E+02	ca
Diphenamid		957-51-7	2.0E+03	nc	1.1E+03	nc
Diphenyl Fast Brown		16071-86-6	4.8E+00	ca	7.2E-01	ca
1,2-Diphenyl hydrazine		122-66-7	5.6E+01	ca	8.4E+00	ca
4,4'-Diphenyl Methane						
Diisocyante		101-68-8	3.7E-01	nc	2.1E-01	nc
Diphenylamine		122-39-4	1.6E+03	nc	9.1E+02	nc
N,N-Diphenylamine		122-39-4	1.6E+03	nc	9.1E+02	nc
N,N'-Diphenylhydrazine		122-66-7	5.6E+01	ca	8.4E+00	ca
1,2-Diphenylhydrazine		122-66-7	5.6E+01	ca	8.4E+00	ca
Dipropanoate (9Cl)		123-73-9	1.6E+00	ca	5.9E-01	ca
Dipropyl-4-(Trifluoromethyl) Benzenamine		1582-09-8	5.8E+03	ca	8.7E+02	ca
Diquat		85-00-7	1.4E+02	nc	8.0E+01	nc
Direct Black 38		1937-37-7	5.2E+00	ca	7.8E-01	ca
Direct black N		1937-37-7	5.2E+00	ca	7.8E-01	ca
Direct Blue 6		2602-46-2	5.5E+00	ca	8.3E-01	ca
Direct Brown 95		16071-86-6	4.8E+00	ca	7.3E-01	ca
Disulfide,bis(dimethylthiocarbamoyl)		137-26-8	3.3E+02	nc	1.8E+02	nc
Disulfoton		298-04-4	2.6E+00	nc	1.5E+00	nc
1,4-Dithiane		505-29-3	6.5E+02	nc	3.7E+02	nc
Diuron		330-54-1	1.3E+02	nc	7.3E+01	nc
Divinylene Oxide		110-00-9	6.5E+01	nc	3.7E+01	nc
Dodine		2439-10-3	2.6E+02	nc	1.5E+02	nc
Dual (Metolaclor)		51218-45-2	9.8E+03	nc	5.5E+03	nc
EDC		107-06-2	4.4E+01	ca	1.2E+01	ca
Endocide		115-29-7	3.3E+00	nc	1.8E+00	nc
Endosol		115-29-7	3.3E+00	nc	1.8E+00	nc
Endosulfan		115-29-7	3.3E+00	nc	1.8E+00	nc
Endothall		145-73-3	1.3E+03	nc	7.3E+02	nc
Endrin		72-20-8	2.0E+01	nc	1.1E+01	nc
Epichlorohydrin		106-89-8	8.6E+00	nc	2.0E+00	nc
Epoxybutane		106-88-7	3.7E+02	nc	2.1E+02	nc
1,2-Epoxybutane		106-88-7	3.7E+02	nc	2.1E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,2-Epoxy-3-Chloropropane		106-89-8	8.6E+00	nc	2.0E+00	nc
2,3-Epoxypropylchloride		106-89-8	8.6E+00	nc	2.0E+00	nc
EPTC (S-Ethyl Dipropylthiocarbamate)		759-94-4	1.6E+03	nc	9.1E+02	nc
1,2-Ethandiol		107-21-1	1.3E+05	nc	7.3E+04	nc
Ethane, 1,2-Dibromo-		106-93-4	5.1E-01	ca	7.6E-02	ca
Ethane, 1,2-Dichloro-		107-06-2	4.4E+01	ca	1.2E+01	ca
1,2-Ethanediamine		107-15-3	1.3E+03	nc	7.3E+02	nc
1,2-Ethanediylbis(Carbamodithioato)2-Manganese		12477-38-2	3.2E+02	nc	1.8E+02	nc
1,2-Ethanediylbis(carbamodithioato)(2-)manganese		12427-38-2	3.2E+02	nc	1.8E+02	nc
1,2-Ethanediyl-biscarbamodithioc Acid, Manganese Complex		12477-38-2	3.2E+02	nc	1.8E+02	nc
Ethanoic acid, ethenyl ester		108-05-4	6.5E+04	nc	3.7E+04	nc
Ethanol, 2-(2-ethoxyethoxy)-		111-90-0	1.0E+05	nc	7.3E+04	nc
Ethanol, 2-butoxy-		111-76-2	3.7E+02	nc	2.1E+02	nc
Ethanol, 2-ethoxy-		110-80-5	2.6E+04	nc	1.5E+04	nc
Ethanol, 2-ethoxy-,acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
Ethanol, 2-methoxy-		109-86-4	6.5E+01	nc	3.7E+01	nc
Ethanol, 2-methoxy-,acetate		110-49-6	1.3E+02	nc	7.3E+01	nc
Ethanol,2,2,2-trichloro-1,1-bis(p-chlorophenyl)-		115-32-2	1.0E+02	ca	1.5E+01	ca
Ethenyl Ester Acetic Acid		108-05-4	6.5E+04	nc	3.7E+04	nc
Ethenylbenzene		100-42-5	2.2E+03	sat nc	1.6E+03	nc
Ethepron (2-Chloroethyl Phosphonic Acid)		16672-87-0	3.3E+02	nc	1.8E+02	nc
Ether, 2-chloroethyl vinyl	c	110-75-8	2.0E+03	nc	1.5E+02	nc
Ether,bis(2-chloro-1-methylethyl)		108-60-1	6.3E+02	ca	9.6E+01	ca
Ether,bis(pentabromophenyl)		1163-19-5	6.5E+02	nc	3.7E+02	ca
Ether,tert-butyl methyl		1634-04-4	3.3E+02	nc	1.8E+02	nc
Ethion		563-12-2	3.3E+01	nc	1.8E+01	nc
2-Ethoxyethanol Acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
2-Ethoxyethanol		110-80-5	2.6E+04	nc	1.5E+04	nc
2-(2-Ethoxyethoxy)Ethanol		111-90-0	1.0E+05	nc	7.3E+04	nc
Ethoxyethyl acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
beta-Ethoxyethyl Acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
2-Ethoxyethyl Ester Acetic Acid		111-15-9	2.0E+04	nc	1.1E+04	nc
Ethyl 2-propenoate	c	140-66-2	6.5E+01	ca	2.3E+01	ca
Ethyl Acetate		141-78-6	5.9E+04	nc	3.3E+04	nc
Ethyl Acrylate		140-88-5	4.6E+01	ca	2.3E+01	ca
Ethyl benzene		100-41-4	6.9E+02	sat nc	1.3E+03	nc
Ethyl carbitol		111-90-0	1.0E+05	nc	7.3E+04	nc
Ethyl cellosolve		110-80-5	2.6E+04	nc	1.5E+04	nc
Ethyl Chloride		75-00-3	1.1E+03	nc	7.1E+02	nc
O-Ethyl S-(2-diisopropyl-aminoethyl)methylthiolphosphonoate	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Ethyl dimethylamido-cyanophosphate	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Ethyl dimethyl-phosphoramidocyanide	f	77-81-6	1.6E+01	nc	1.5E+00	nc
S-Ethyl Dipropylthiocarbamate		759-94-4	1.6E+03	nc	9.1E+02	nc
Ethyl Ester Acetic Acid		141-78-6	5.9E+04	nc	3.3E+04	nc
Ethyl Ester Acrylic Acid	c	140-66-2	6.5E+01	ca	2.3E+01	ca
Ethyl Ester-2-Propenoic Acid	c	140-66-2	6.5E+01	ca	2.3E+01	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Ethyl ethanoate		141-78-6	5.9E+04	nc	3.3E+04	nc
Ethyl Ether		60-29-7	3.8E+03	sat	1.2E+03	nc
Ethyl Methacrylate		97-63-2	3.8E+02	sat	5.5E+02	nc
Ethyl N,N-dimethyl-aminocyanophosphate	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Ethyl N,N-isobutyl-thiocarbamate		2008-41-5	3.3E+03	nc	1.8E+03	nc
Ethylamineisopropylamine-s-triazine		1912-24-9	2.0E+02	ca	3.0E+01	ca
Ethylbenzene		100-41-4	6.9E+02	sat nc	1.3E+03	nc
Ethylbenzol		100-41-4	6.9E+02	sat nc	1.3E+03	nc
O-Ethyl S-(2-diisopropylaminoethyl)methylphosphonothioate	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Ethyl N,N-dimethyl-phosphoramidocyanide	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Ethylene Cyanohydrin		109-78-4	2.0E+04	nc	1.1E+04	nc
Ethylene Diamine		107-15-3	1.3E+03	nc	7.3E+02	nc
Ethylene Dibromide		106-93-4	5.1E-01	ca	7.6E-02	ca
Ethylene Dichloride		107-06-2	4.4E+01	ca	1.2E+01	ca
1,2-Ethylene Dichloride		107-06-2	4.4E+01	ca	1.2E+01	ca
Ethylene Ester Acetic Acid		108-05-4	6.5E+04	nc	3.7E+04	nc
Ethylene Glycol		107-21-1	1.3E+05	nc	7.3E+04	nc
Ethylene glycol ethyl ether		110-80-5	2.6E+04	nc	1.5E+04	nc
Ethylene glycol methyl ether		109-86-4	6.5E+01	nc	3.7E+01	nc
Ethylene glycol methyl ether acetate		110-49-6	1.3E+02	nc	7.3E+01	nc
Ethylene glycol monoethyl ether		110-80-5	2.6E+04	nc	1.5E+04	nc
Ethylene glycol monoethyl ether acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
Ethylene Glycol, Monobutyl Ether		111-76-2	3.7E+02	nc	2.1E+02	nc
Ethylene glycol, dipropionate(8Cl)		123-73-9	1.6E+00	ca	5.9E-01	ca
Ethylene Oxide		75-21-8	1.2E+01	ca	2.4E+00	ca
Ethylene tetrachloride		127-18-4	7.0E+02	ca	1.1E+02	ca
Ethylene Thiourea (ETU)		96-45-7	7.4E+01	ca	1.1E+01	ca
Ethylene, tetrachloro-		127-18-4	7.0E+02	ca	1.1E+02	ca
Ethylene,1,2-dichloro-, (z)		156-59-2	5.9E+01	nc	6.1E+01	nc
Ethylenebis(dithiocarbamic acid),manganese salt		12427-38-2	3.2E+02	nc	1.8E+02	nc
1,2-Ethylenediamine		107-15-3	1.3E+03	nc	7.3E+02	nc
1,2-Ethylenediylibis(Caromodithioato)Manganese		12427-38-2	3.2E+02	nc	1.8E+02	nc
Ethylglycol acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
2-Ethylhexyl Phthalate		117-81-7	3.2E+03	ca	4.8E+02	ca
Bis(2-Ethylhexyl)Phthalate		117-81-7	3.2E+03	ca	4.8E+02	ca
Ethyl p-Nitrophenyl Phenylphosphorothioate		2104-64-5	6.5E-01	nc	3.7E-01	nc
Ethylnitrosourea	c	759-73-9	4.6E-01	ca	4.8E-02	ca
Ethyloxirane		106-88-7	3.7E+02	nc	2.1E+02	nc
Ethylphosphorodimethylamido-cyanide	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Ethylphthalyl Ethyl Glycolate		84-72-0	1.0E+05	max	1.1E+05	nc
ETU		96-45-7	7.4E+01	ca	1.1E+01	ca
Express		101200-48-0	5.2E+02	nc	2.9E+02	nc
Fenamiphos		22224-92-6	1.6E+01	nc	9.1E+00	nc
Fluometuron		2164-17-2	8.5E+02	nc	4.7E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Fluoranthene		206-44-0	2.6E+03	ca	1.5E+03	nc
Fluorene		86-73-7	3.0E+02	nc	2.4E+02	nc
Fluoride		7782-41-4	3.9E+03	nc	2.2E+03	nc
Fluoridone		59756-60-4	5.2E+03	nc	2.9E+03	nc
Flurprimidol		56425-91-3	1.3E+03	nc	7.3E+02	nc
Flutolanil		66332-96-5	3.9E+03	nc	2.2E+03	nc
Fluvalinate		69409-94-5	6.5E+02	nc	3.7E+02	nc
Folpet		133-07-3	1.3E+04	ca	1.9E+03	ca
Fomesafen		72178-02-0	2.3E+02	ca	3.5E+01	ca
Fonofos		944-22-9	1.3E+02	nc	7.3E+01	nc
Formaldehyde		50-00-0	9.8E+03	ca	5.5E+03	ca
Formic Acid		64-18-6	1.0E+05	nc	7.3E+04	nc
Fosetyl-al		39148-24-8	1.0E+05	max	1.1E+05	nc
Free cyanide		57-12-5	1.3E+03	nc	7.3E+02	nc
Furan		110-00-9	6.5E+01	nc	3.7E+01	nc
2,5-Furandione		108-31-6	6.5E+03	nc	3.7E+03	nc
Furazolidone		67-45-8	1.2E+01	ca	1.8E+00	ca
Furfural		98-01-1	2.0E+02	nc	1.1E+02	nc
Furium		531-82-8	8.9E-01	ca	1.3E-01	ca
Furmecyclox		60568-05-0	1.5E+03	ca	2.2E+02	ca
GA	f	77-81-6	1.6E+01	nc	1.5E+00	nc
GB	g	107-44-8	7.8E+00	nc	7.3E-01	nc
GD	h	96-64-0	2.0E+00	nc	1.8E-01	nc
Glufosinate-Ammonium		77182-82-2	2.6E+01	nc	1.5E+01	nc
Glycidaldehyde		765-34-4	2.6E+01	nc	1.5E+01	nc
Glycol monomethyl ether		109-86-4	6.5E+01	nc	3.7E+01	nc
Glycol monomethyl ether acetate		110-49-6	1.3E+02	nc	7.3E+01	nc
Glycoleethyl ether acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
Glyphosate		1071-83-6	6.5E+03	nc	3.7E+03	nc
Haloxifop-Methyl		69806-40-2	3.3E+00	nc	1.8E+00	nc
Harmony		79277-27-3	8.5E+02	nc	4.7E+02	nc
HCH (alpha)		319-84-6	7.1E+00	ca	1.1E+00	ca
HCH (beta)		319-85-7	2.5E+01	ca	1.1E+00	ca
HCH (gamma) Lindane		58-89-9	3.4E+01	ca	5.2E+00	ca
HCH -technical		58-89-9	3.4E+01	ca	5.2E+00	ca
HD	d	505-60-2	2.7E+00	nc	2.6E-01	nc
Heptachlor		76-44-8	9.9E+00	ca	1.5E+00	ca
Heptachlor Epoxide		1024-57-3	4.9E+00	ca	7.4E-01	nc
Hexabromobenzene		87-82-1	1.3E+02	nc	7.3E+01	nc
Hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite		115-29-7	3.3E+00	nc	1.8E+00	nc
Hexachlorobenzene		118-74-1	2.8E+01	ca	4.2E+00	ca
Hexachlorobicyclo(2.2.1)-2-heptene-5,6-bisoxymethylene sulfite		115-29-7	3.3E+00	nc	1.8E+00	nc
Hexachlorobutadiene		87-68-3	5.7E+02	ca	8.6E+01	ca
1,2,3,4,5,6-Hexachlorocyclohexane (HCH) -Technical		608-73-1	2.5E+01	ca	3.7E+00	ca
1,2,3,4,5,6-Hexachlorocyclohexane (HCH), Alpha		319-84-6	7.1E+00	ca	1.1E+00	ca
1,2,3,4,5,6-Hexachlorocyclohexane (HCH), Beta		319-85-7	2.5E+01	ca	3.7E+00	ca
1,2,3,4,5,6-Hexachlorocyclohexane (HCH), Gamma - Lindane		58-89-9	3.4E+01	ca	5.2E+00	ca
Hexachlorocyclopentadiene		77-47-4	4.5E+02	nc	2.6E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,2,3,7,8,9-Hexachlorodibenzene-p-Dioxin		19408-74-3	7.2E-03	ca	1.1E-03	ca
Hexachlorodibenzo-p-Dioxin (Mix)		19408-74-3	7.2E-03	ca	1.1E-03	ca
Hexachlorodibenzo-p-dioxin mixture (HxCDD)		19408-74-3	7.2E-03	ca	1.1E-03	ca
Hexachloroethane		67-72-1	3.2E+03	ca	4.8E+02	ca
Hexachloropentadiene		77-47-4	4.5E+02	nc	2.6E+02	nc
Hexachlorophene		70-30-4	2.0E+01	nc	1.1E+01	nc
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		121-82-4	4.0E+02	ca	6.1E+01	ca
Hexahydro-2-azepinone		105-60-2	3.3E+04	nc	1.8E+04	nc
Hexahydro-2H-Azepin-2-one		105-60-2	3.3E+04	nc	1.8E+04	nc
Hexahydrobenzenamine		108-91-8	1.3E+04	nc	7.3E+03	nc
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine		121-82-4	4.0E+02	ca	6.1E+01	ca
1,6-Hexamethylene Diisocyanate		822-06-0	NA	NA	1.0E-01	nc
Hexane		110-54-3	2.9E+02	nc	3.5E+02	nc
n-Hexane		110-54-3	2.9E+02	nc	3.5E+02	nc
Hexazinone		51235-04-2	2.2E+03	nc	1.2E+03	nc
Hexone		108-10-1	5.2E+03	nc	2.9E+03	nc
HMX	b	2691-41-0	3.3E+03	nc	1.8E+03	nc
1,2,3,7,8,9-HxCDD		19408-74-3	7.2E-03	ca	1.1E-03	ca
Hydracrylonitrile		109-78-4	2.0E+04	nc	1.1E+04	nc
Hydrazine, Hydrazine Sulfate		302-01-2	1.5E+01	ca	2.2E+00	ca
Hydrazodibenzene		122-66-7	5.6E+01	ca	8.4E+00	ca
Hydrocyanic acid, potassium salt		151-50-8	3.3E+03	nc	1.8E+03	nc
Hydrocyanic acid, sodium salt		143-33-9	2.6E+03	nc	1.5E+03	nc
Hydrogen Chloride	c	7647-01-0	NA	NA	2.1E+02	nc
Hydrogen Cyanide		74-90-8	1.6E+03	nc ^a	6.2E+00	nc
Hydrogen Sulfide		7783-06-4	NA	NA	2.0E+00	nc
Hydroquinone		123-31-9	2.6E+03	nc	1.5E+03	nc
p-Hydroquinone		123-31-9	2.6E+03	nc	1.5E+03	nc
Hydroxybenzene		108-95-2	3.9E+04	nc	2.2E+04	nc
1-Hydroxy-2,4-Dimethylbenzene		105-67-9	1.3E+03	nc	7.3E+02	nc
1-Hydroxy-3-Methylbenzene		108-39-4	3.3E+03	nc	1.8E+03	nc
4-Hydroxynitrobenzene		100-02-7	4.8E+03	nc	2.3E+03	nc
p-Hydroxyphenol		123-31-9	2.6E+03	nc	1.5E+03	nc
3-Hydroxypropanenitrile		109-78-4	2.0E+04	nc	1.1E+04	nc
3-Hydroxypropionitrile		109-78-4	2.0E+04	nc	1.1E+04	nc
Hydroxytoluene		100-51-6	2.0E+04	nc	1.1E+04	nc
4-Hydroxytoluene		106-44-5	3.3E+02	nc	1.8E+02	nc
p-Hydroxytoluene		106-44-5	3.3E+02	nc	1.8E+02	nc
Imazalil		35554-44-0	8.5E+02	nc	4.7E+02	nc
Imazaquin		81335-37-7	1.6E+04	nc	9.1E+03	nc
Indeno(1,2,3-cd)Pyrene		193-39-5	6.1E+01	ca	9.2E+00	ca
Iprodione		36734-19-7	2.6E+03	nc	1.5E+03	nc
Iron	c	7439-89-6	2.3E+04	nc	1.1E+04	nc
Isobutanol		78-83-1	2.0E+04	nc	1.1E+04	nc
Isobutyl methyl ketone		108-10-1	5.2E+03	nc	2.9E+03	nc
Bis(p-Isocyanotophenyl) Methane		101-68-8	3.7E-01	nc	2.1E-01	nc
Isophorone		78-59-1	4.7E+04	ca	7.1E+03	ca
Isophthalonitrile,tetrachloro-		1897-45-6	4.0E+03	ca	6.1E+02	ca
Isophthalonitrile,2,4,5,6-tetrachloro-		1897-45-6	4.0E+03	ca	6.1E+02	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Isopropalin		33820-53-0	9.8E+02	nc	5.5E+02	nc
Isopropene cyanide		126-98-7	1.3E+00	nc	1.0E+00	nc
Isopropoxymethylphosphonyl fluoride	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Isopropoxymethylphosphoryl fluoride	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Isopropyl methanefluorophosphate	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Isopropyl Methyl Phosphonic Acid		1832-54-8	6.5E+03	nc	3.7E+03	nc
Isopropyl methylfluorophosphate	g	107-44-8	7.8E+00	nc	7.3E-01	nc
o-Isopropyl methylphosphonofluoridate	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Isopropyl-methyl-phosphoryl fluoride	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Isoxaben		82558-50-7	3.3E+03	nc	1.8E+03	nc
Karate/Cyhalothrin		68085-85-8	3.3E+02	nc	1.8E+02	nc
Kepone		143-50-0	2.5E+00	ca	3.7E-01	ca
L	e	541-25-3	3.9E+01	nc	3.7E+00	nc
Lactofen		77501-63-4	1.3E+02	nc	7.3E+01	nc
Lead		7439-92-1	4.0E+02	nc	4.0E+00	nc
Lead (Tetraethyl)		78-00-2	6.5E-03	nc	3.7E-03	nc
Lewisite	e	541-25-3	3.9E+01	nc	3.7E+00	nc
Lindane		58-89-9	3.4E+01	ca	5.2E+00	ca
Linuron		330-55-2	1.3E+02	nc	7.3E+01	nc
Lithium		7439-93-2	1.5E+03	nc	7.3E+02	nc
Londax		83055-99-6	1.3E+04	nc	7.3E+03	nc
m-Dimethylbenzene		108-38-3	9.9E+02	sat nc	1.4E+03	nc
m-Hydroxytoluene		108-39-4	3.3E+03	nc	1.8E+03	nc
m-Xylene		108-38-3	9.9E+02	sat nc	1.4E+03	nc
m-Xylenol		105-67-9	1.3E+03	nc	7.3E+02	nc
Malathion		121-75-5	1.3E+03	nc	7.3E+02	nc
Maleic acid anhydride		108-31-6	6.5E+03	nc	3.7E+03	nc
Maleic Anhydride		108-31-6	6.5E+03	nc	3.7E+03	nc
Maleic Hydrazide		123-33-1	3.3E+04	nc	1.8E+04	nc
Malononitrile		109-77-3	1.3E+00	nc	7.3E-01	nc
Mancozeb		8018-01-7	2.0E+03	nc	1.1E+03	nc
Maneb		12427-38-2	3.3E+02	nc	1.8E+02	nc
Maneb 80		12427-38-2	3.3E+02	nc	1.8E+02	nc
Manganese and compounds		7439-96-5	3.8E+02	nc	1.8E+02	nc
Manganese ethylene bis-dithiocarbamate		12427-38-2	3.3E+02	nc	1.8E+02	nc
Manganese (Tradename)		12427-38-2	3.3E+02	nc	1.8E+02	nc
MBIK		108-10-1	5.2E+03	nc	2.9E+03	nc
Mephosfolan		950-10-7	5.9E+00	nc	3.3E+00	nc
Mepiquat		24307-26-4	2.0E+03	nc	1.1E+03	nc
Mercaptosuccinic acid diethyl ester		121-75-5	1.3E+03	nc	7.3E+02	nc
Mercury (Inorganic)	c	7439-97-6	2.3E+01	nc	1.1E+01	nc
Mercury (Methyl)		22967-92-6	6.5E+00	nc	3.7E+00	nc
Merphos		150-50-5	2.0E+00	nc	1.1E+00	nc
Merphos Oxide		78-48-8	2.0E+00	nc	1.1E+00	nc
Metalexyl		57837-19-1	3.9E+03	nc	2.2E+03	nc
Methacrylonitrile		126-98-7	1.3E+00	nc	1.0E+00	nc
Methamidophos		10265-92-6	3.3E+00	nc	1.8E+00	nc
Methane, chlorodibromo-		124-48-1	5.3E+02	ca	1.0E+02	ca
Methanol		67-56-1	3.3E+04	nc	1.8E+04	nc
Methidathion		950-37-8	6.5E+01	nc	3.7E+01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Methomyl		16752-77-5	1.6E+03	nc	9.1E+02	nc
Methoxy ether of Propylene glycol		107-98-2	4.6E+04	nc	2.6E+04	nc
1-Methoxy-2-Propanol		107-98-2	4.6E+04	nc	2.6E+04	nc
Methoxy-5-nitroaniline, 2-		99-59-2	9.7E+02	ca	1.5E+02	ca
Methoxychlor		72-43-5	3.3E+02	nc	1.8E+02	nc
Methoxyethanol		109-86-4	6.5E+01	nc	3.7E+01	nc
2-Methoxyethanol Acetate		110-49-6	1.3E+02	nc	7.3E+01	nc
2-Methoxyethanol		109-86-4	6.5E+01	nc	3.7E+01	nc
Methoxyhydroxyethane		109-86-4	6.5E+01	nc	3.7E+01	nc
2-Methoxy-2-Methyl Propane		1634-04-4	3.3E+02	nc	1.8E+02	nc
2-Methoxy-5-Nitroaniline		99-59-2	9.7E+02	ca	1.5E+02	ca
Methyl 1,1-dimethylethyl ether		1634-04-4	3.3E+02	nc	1.8E+02	nc
Methyl Acetate		79-20-9	2.0E+04	nc	6.1E+03	nc
Methyl Acrylate		96-33-3	1.5E+02	nc	1.8E+02	nc
Methyl Alcohol		67-56-1	3.3E+04	nc	1.8E+04	nc
Methyl Benzene		108-88-3	1.9E+03	nc	7.2E+02	nc
Methyl Bromide		74-83-9	1.5E+01	nc	8.7E+00	nc
Methyl Cellosolve		109-86-4	6.5E+01	nc	3.7E+01	nc
Methyl Cellosolve Acetate		110-49-6	1.3E+02	nc	7.3E+01	nc
Methyl Chloride		74-87-6	2.0E+02	ca	1.5E+02	ca
Methyl Chlorocarbonate		79-22-1	6.5E+04	nc	3.7E+04	nc
Methyl Ethyl Ketone		78-93-3	8.7E+03	nc	1.9E+03	nc
Methyl Hydrazine		60-34-4	4.0E+01	ca	6.1E+00	ca
Methyl Isobutyl Ketone		108-10-1	5.2E+03	nc	2.9E+03	nc
Methyl Methacrylate		80-62-6	5.2E+03	nc	2.9E+03	nc
Methyl Parathion		298-00-0	1.6E+01	nc	9.1E+00	nc
Methyl Styrene (Alpha)		98-83-9	1.8E+03	nc	4.3E+02	nc
Methyl Styrene (mixture)		25013-15-4	2.2E+02	nc	6.0E+01	nc
Methyl tert-Butyl Ether		1634-04-4	3.3E+02	nc	1.8E+02	nc
Methyl Tertbutyl		1634-04-4	3.3E+02	nc	1.8E+02	nc
Methyl Toluene		1330-20-7	9.9E+02	sat	1.4E+03	nc
Methyl-4-Pentanone		108-10-1	5.2E+03	nc	2.9E+03	nc
2-Methyl-5-Nitroaniline		99-55-8	1.3E+03	ca	2.0E+02	ca
2-Methylaniline (o-Toluidine)		100-61-8	1.9E+02	ca	2.8E+01	ca
2-Methylaniline Hydrochloride		636-21-5	2.5E+02	ca	3.7E+01	ca
Methylaniline, 2- (o-Toluidine)		100-61-8	1.9E+02	ca	2.8E+01	ca
Methylbenzene		108-88-3	1.9E+03	nc	7.2E+02	nc
4-(2-Methyl-4-Chlorophenoxy)Butyric Acid		94-81-5	6.5E+02	nc	3.7E+02	nc
2-(2-Methyl-4-Chlorophenoxy)Propionic Acid		93-65-2	6.5E+01	nc	3.7E+01	nc
2-Methyl-4-Chlorophenoxyacetic Acid		94-74-6	3.3E+01	nc	1.8E+01	nc
2-(2-Methyl-1,4-Chlorophenoxy)Propionic Acid		16484-77-8	6.5E+01	nc	3.7E+01	nc
3-Methylcholanthrene		193-39-5	6.1E+01	ca	9.2E+00	ca
5-Methylchrysene		RRSE-009	3.2E+00	ca	NA	NA
Methylcyclohexane		108-87-2	5.6E+04	nc	3.1E+04	nc
1-Methyl-2,4-Dinitrobenzene		121-14-2	1.3E+02	nc	7.3E+01	nc
4,4'-Methylene bis(N,N'-Dimethyl)Aniline		101-61-1	9.7E+02	ca	1.5E+02	ca
4,4'-Methylene bis(2-Chloroaniline)		101-14-4	3.4E+02	ca	5.2E+01	ca
Methylene Bromide		74-95-3	6.5E+02	nc	3.7E+02	nc
Methylene Chloride		75-09-2	1.1E+03	ca	4.3E+02	ca
4,4-Methylene Dianiline		101-77-9	1.8E+02	ca	2.7E+01	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Methylene Diphenyl Diisocyanate		101-68-8	3.7E-01	nc	2.1E-01	nc
Methylene(b)4-Phenylisocyanate		101-68-8	3.7E-01	nc	2.1E-01	nc
Methylenebis (4-Phenyleneisocyanate)		101-68-8	3.7E-01	nc	2.1E-01	nc
Methylenebis(p-Phenylene Isocyanate)		101-68-8	3.7E-01	nc	2.1E-01	nc
4,4'- Methylenebis-benzeneamine		101-77-9	1.8E+02	ca	2.7E+01	ca
4,4'-Methylenebis (N,N'-Dimethyl) Benzeneamine		101-61-1	9.7E+02	ca	1.5E+02	ca
1,1-Methylenebis (4- Isocyanatobenzene)	(4-	101-68-8	3.7E-01	nc	2.1E-01	nc
4,4'-Methylenedianiline		101-77-9	1.8E+02	ca	2.7E+01	ca
4,4'-Methylenediphenyl Isocyanate		101-68-8	3.7E-01	nc	2.1E-01	nc
4,4'-Methylene iso (N,N'-Dimethyl) Aniline		101-61-1	9.7E+02	ca	1.5E+02	ca
2-(1-Methylethoxy) Phenolmethylcarbamate		114-26-1	2.6E+02	nc	1.5E+02	nc
Methylfluorophosphonic acid, isopropyl ester	g	107-44-8	7.8E+00	nc	7.3E-01	nc
1-Methyl-4-Hydroxybenzene		106-44-5	3.3E+02	nc	1.8E+02	nc
Methylisopropoxy-fluorophosphine oxide	g	107-44-8	7.8E+00	nc	7.3E-01	nc
N-Methylmethanamine		124-40-3	6.2E-02	nc	3.5E-02	nc
Methyl-2-(1-Methylethoxy)Phenyl Ester Acid		114-26-1	2.6E+02	nc	1.5E+02	nc
2-Methyl-5-Nitroaniline		99-55-8	1.3E+03	ca	2.0E+02	ca
2-Methyl-4-Pentanone		108-10-1	5.2E+03	nc	2.9E+03	nc
2-Methylphenol (o-Cresol)		95-48-7	3.3E+03	nc	1.8E+03	nc
3-Methylphenol (m-Cresol)		108-39-4	3.3E+03	nc	1.8E+03	nc
4-Methylphenol (p-Cresol)		106-44-5	3.3E+02	nc	1.8E+02	nc
p-Methylphenol		106-44-5	3.3E+02	nc	1.8E+02	nc
Methylphosphonofluoridic acid 1,2,2-trimethylpropyl ester	h	96-64-0	2.0E+00	nc	1.8E-01	nc
Methylphosphonofluoridic acid 1-methylethyl ester	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Methylphosphonofluoridic acid isopropyl ester	g	107-44-8	7.8E+00	nc	7.3E-01	nc
2-Methyl-2-Propenenitrile		126-98-7	1.3E+00	nc	1.0E+00	nc
Bis(2-Methylpropyl) Carbamothioic Acid s-Ethyl Ester		2008-41-5	3.3E+03	nc	1.8E+03	nc
p-Methyltoluene		106-42-3	1.6E+03	sat nc	5.2E+02	nc ^c
Metolaclor		51218-45-2	9.8E+03	nc	5.5E+03	nc
Metolaclor (Dual)		51218-45-2	9.8E+03	nc	5.5E+03	nc
Metribuzin		21087-64-9	1.6E+03	nc	9.1E+02	nc
Michler's base		101-61-1	9.7E+02	ca	1.5E+02	ca
Mirex		2385-85-5	2.5E+01	ca	3.7E+00	ca
Molinate		2212-67-1	1.3E+02	nc	7.3E+01	nc
Molybdenum		7439-98-7	3.8E+02	nc	1.8E+02	nc
Monochloramine		10599-90-3	6.5E+03	nc	3.7E+03	nc
Monochlorobenzene		108-90-7	1.6E+02	nc	3.9E+01	nc
Monoethylene Glycol		107-21-1	1.3E+05	nc	7.3E+04	nc
Monohydroxybenzene		108-95-2	3.9E+04	nc	2.2E+04	nc
MTBE		1634-04-4	3.3E+02	nc	1.8E+02	nc
Mustard	d	505-60-2	2.7E+00	nc	2.6E-01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Naled		300-76-5	1.3E+02	nc	7.3E+01	nc
2,7-Naphthalenedisulfonic acid, 4-amino-3-((4'-(2,4-		1937-37-7	5.2E+00	ca	7.8E-01	ca
Naphthalene		91-20-3	8.0E+02	nc	2.4E+02	nc
2-Naphthylamine	c	91-59-8	4.9E-01	ca	5.2E-02	ca
1,2-(1,8-Naphthylene)Benzene		120-82-1	6.2E+02	nc	1.9E+02	nc
Napropamide		15299-99-7	6.5E+03	nc	3.7E+03	nc
Nickel (Soluble Salts)		7440-02-0	1.5E+03	nc	7.3E+02	nc
Nitran		1582-09-8	5.8E+03	ca	8.7E+02	ca
Nitrapyrin		1929-82-4	9.8E+01	nc	5.5E+01	nc
Nitrate		14797-55-8	1.0E+05	max	5.8E+04	nc
Nitric Oxide		10102-43-9	6.5E+03	nc	3.7E+03	nc
Nitrite		14797-65-0	6.5E+03	nc	3.7E+03	nc
5-Nitroacenaphthene		RRSE-010	5.4E+02	ca	NA	NA
2-Nitroaniline		88-74-4	3.9E+00	nc	2.2E+00	nc
3-Nitroaniline		99-09-2	2.3E+02	nc	1.1E+02	nc
4-Nitroaniline		100-01-6	2.3E+02	nc	1.1E+02	nc
Nitrobenzene		98-95-3	3.3E+01	nc	1.8E+01	nc
p-Nitrochlorobenzene		100-00-5	2.5E+03	ca	3.7E+02	ca
Nitrochlorobenzene, para		100-00-5	2.5E+03	ca	3.7E+02	ca
6-Nitrochrysene		RRSE-011	6.1E-01	ca	NA	NA
2-Nitrofluorene		RRSE-012	6.1E+02	ca	NA	NA
Nitrofurantoin		67-20-9	4.6E+03	nc	2.6E+03	nc
Nitrofurazone		59-87-0	3.0E+01	ca	4.5E+00	ca
Nitrogen Dioxide	c	101102-44-0	7.8E+04	nc	3.7E+04	nc
Nitrogen-monoxide-		10102-43-9	6.5E+03	nc	3.7E+03	nc
Nitroguanidine		556-88-7	6.5E+03	nc	3.7E+03	nc
4-Nitrophenol		100-02-7	4.8E+03	nc	2.3E+03	nc
p-Nitrophenol		100-02-7	4.8E+03	nc	2.3E+03	nc
2-Nitropropane		79-46-9	NA	NA	3.5E+03	ca
1-Nitropyrene		RRSE-013	6.1E+01	ca	NA	NA
4-Nitropyrene		RRSE-014	6.1E+01	ca	NA	NA
N-Nitroso-N-methylethylamine		10595-95-6	2.0E+00	ca	3.1E-01	ca
N-Nitrosodi-n-Butylamine		924-16-3	8.2E+00	ca	1.2E+00	ca
N-Nitrosodiethanolamine		1116-54-7	1.6E+01	ca	2.4E+00	ca
N-Nitrosodiethylamine		55-18-5	3.0E-01	ca	4.5E-02	ca
N-Nitrosodimethylamine		62-75-9	8.7E-01	ca	1.3E-01	ca
N-Nitrosodiphenylamine		86-30-6	9.1E+03	ca	1.4E+03	ca
N-Nitrosodi-n-propylamine		621-64-7	6.3E+00	ca	9.6E-01	ca
N-Nitroso-N-Methylethylamine		10595-95-6	2.0E+00	ca	3.1E-01	ca
N-Nitrosopyrrolidine		930-55-2	2.1E+01	ca	3.2E+00	ca
m-Nitrotoluene		99-08-1	6.5E+02	nc	3.7E+02	nc
o-Nitrotoluene	c	88-72-2	2.0E+04	nc	6.1E+01	nc
p-Nitrotoluene		99-99-0	6.5E+02	nc	3.7E+02	nc
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclicsulfite		115-29-7	3.3E+00	nc	1.8E+00	nc
Norflurazon		27314-13-2	3.1E+03	nc	1.5E+03	nc
NuStar		85509-19-9	4.6E+01	nc	2.6E+01	nc
O,O-Dimethyl phosphorodithioate		121-75-5	1.3E+03	nc	7.3E+02	nc
O,O-Dimethyl thiophosphate		121-75-5	1.3E+03	nc	7.3E+02	nc
o-Benzenedicarboxylic acid, dioctyl ester		117-84-0	1.3E+03	nc	7.3E+02	nc
o-Isopropoxyphenyl N-methylcarbamate		114-26-1	2.6E+02	nc	1.5E+02	nc
O-Isopropyl methylisopropoxy-fluorodphosphine oxide	g	107-44-8	7.8E+00	nc	7.3E-01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
o-Phenyleneperyrene		193-39-5	6.1E+01	ca	9.2E+00	ca
Octabromodiphenyl Ether		32536-52-0	2.0E+02	nc	1.1E+02	nc
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	b	2691-41-0	3.3E+03	nc	1.8E+03	nc
Octamethylpyrophosphoramide		152-16-9	1.3E+02	nc	7.3E+01	nc
Octyl phthalate		117-84-0	1.3E+03	nc	7.3E+02	nc
N-Octyl phthalate		117-84-0	1.3E+03	nc	7.3E+02	nc
Oryzalin		19044-88-3	3.3E+03	nc	1.8E+03	nc
Oxacyclopentadiene		110-00-9	6.5E+01	nc	3.7E+01	nc
Oxadiazon		19666-30-9	3.3E+02	nc	1.8E+02	nc
Oxamyl		23135-22-0	1.6E+03	nc	9.1E+02	nc
1,4-Oxathiane	b	15980-15-1	1.0E+05	sat nc	2.6E+07	nc
Oxybenzene		108-95-2	3.9E+04	nc	2.2E+04	nc
1,1'-Oxybis(2-Chloro)Ethane		111-44-4	7.4E+00	ca	9.8E-01	ca
2,2'-Oxybis(1-Chloropropane)		108-60-1	6.3E+02	ca	9.6E+01	ca
1,1'-Oxybis(2,3,5,6-Pentabromo-(9Cl)-Benzene		1163-19-5	6.5E+02	nc	3.7E+02	ca
Oxyflufen		42874-03-3	2.0E+02	nc	1.1E+02	nc
Oxytol acetate		111-15-9	2.0E+04	nc	1.1E+04	nc
p,p'-Bis(Dimethylamino) Diphenylmethane		101-61-1	9.7E+02	ca	1.5E+02	ca
p,p-Dimethylamino-diphenylmethane		101-61-1	9.7E+02	ca	1.5E+02	ca
Pacobutrazol		76738-62-0	8.5E+02	nc	4.7E+02	nc
Paradichlorobenzene		106-46-7	7.4E+02	ca	4.7E+01	ca
Paranaphthalate		120-12-7	1.9E+01	nc	1.8E+03	nc
Paraquat		4685-14-7	2.9E+02	nc	1.6E+02	nc
Parathion		56-38-2	3.9E+02	nc	2.2E+02	nc
PCB		1336-36-3	6.6E+00	ca	8.7E-01	ca
PCB 1016		12674-11-2	4.9E+00	nc	2.6E+00	nc
PCBs		1336-36-3	6.6E+00	ca	8.7E-01	ca
PCE		127-18-4	7.0E+02	ca	1.1E+02	ca
Pebulate		1114-71-2	3.3E+03	nc	1.8E+03	nc
Pendimethalin		40487-42-1	2.6E+03	nc	1.5E+03	nc
Pentabromo-6-Chloro Cyclohexane		87-84-3	1.9E+03	ca	2.9E+02	ca
Pentabromodiphenyl Ether		1163-19-5	6.5E+02	nc	3.7E+02	ca
Bis(Pentabromophenyl)Ether		1163-19-5	6.5E+02	nc	3.7E+02	ca
Pentachlorobenzene		608-93-5	5.2E+01	nc	2.9E+01	nc
Pentachloronitrobenzene		82-68-8	1.7E+02	ca	2.6E+01	ca
Pentachlorophenol		87-86-5	2.5E+02	ca	5.6E+01	ca
Pentachlorophenyl Chloride		118-74-1	2.8E+01	ca	4.2E+00	ca
2-Pantanone, 4-Methyl-		108-10-1	5.2E+03	nc	2.9E+03	nc
PERC		127-18-4	7.0E+02	ca	1.1E+02	ca
Perchlorobenzene		118-74-1	2.8E+01	ca	4.2E+00	ca
Perchloroethylene (PCE)		127-18-4	7.0E+02	ca	1.1E+02	ca
Permethrin		52645-53-1	3.3E+03	nc	1.8E+03	nc
Phenmedipharm		13684-63-4	1.6E+04	nc	9.1E+03	nc
Phenol		108-95-2	3.9E+04	nc	2.2E+04	nc
Phenol, 2,4-dichloro-		120-83-2	2.0E+02	nc	1.1E+02	nc
Phenol, o-isopropoxy-, methylcarbamate		114-26-1	2.6E+02	nc	1.5E+02	nc
N-Phenylaniline		122-39-4	1.6E+03	nc	9.1E+02	nc
N-Phenylbenzenamine		122-39-4	1.6E+03	nc	9.1E+02	nc
Phenylcarbinol		100-51-6	2.0E+04	nc	1.1E+04	nc
1,4-Phenylenediamine		106-50-3	1.2E+04	nc	6.9E+03	nc
m-Phenylenediamine		108-45-2	3.9E+02	nc	2.2E+02	nc
p-Phenylenediamine		106-50-3	1.2E+04	nc	6.9E+03	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,10-(1,2-Phenylene)Pyrene		193-39-5	6.1E+01	ca	9.2E+00	ca
2,3-Phenylenepyrene		193-39-5	6.1E+01	ca	9.2E+00	ca
2,3-o-Phenylenepyrene		193-39-5	6.1E+01	ca	9.2E+00	ca
Phenylethane		100-41-4	6.9E+02	sat nc	1.3E+03	nc
Phenylethylene		100-42-5	2.2E+03	sat nc	1.6E+03	nc
Phenylmercuric Acetate		62-38-4	5.2E+00	nc	2.9E+00	nc
Phenylmethanal		100-52-7	6.5E+03	nc	3.7E+03	nc
Phenylmethane		108-88-3	1.9E+03	nc	7.2E+02	nc
Phenylphenol		90-43-7	2.3E+04	ca	3.5E+03	nc
2-Phenylphenol		90-43-7	2.3E+04	ca	3.5E+03	nc
Phorate		298-02-2	1.3E+01	nc	7.3E+00	nc
Phosmet		732-11-6	1.3E+03	nc	7.3E+02	nc
Phosphine		7803-51-2	2.0E+01	nc	1.1E+01	nc
Phosphonofluoridic acid, methyl-, isopropyl ester	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Phosphonothioic acid, methyl-, S-[2-[bis(1-methylethyl-amino)ethyl] O-ethyl ester	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Phosphonothioic acid, methyl-, S-(2-(diisopropylamino)ethyl) O-ethyl ester	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Phosphorodithioic acid,o,o-diethyl s-(((1,1-		13071-79-9	1.6E+00	nc	9.1E-01	nc
Phosphorus (white)	c	7723-14-0	1.6E+00	nc	7.3E-01	nc
Phosphonofluoridic acid, methyl-, 1-methylethyl ester	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Phosvin		1314-84-7	2.3E+01	nc	1.1E+01	nc
Phthalic acid, bis(2-ethylhexyl) ester		117-81-7	3.2E+03	ca	4.8E+02	ca
Phthalic acid, dimethyl ester		131-11-3	1.0E+05	nc	3.7E+05	nc
Phthalic acid, dioctyl ester		117-84-0	1.3E+03	nc	7.3E+02	nc
Phthalic acid, methyl ester		131-11-3	1.0E+05	nc	3.7E+05	nc
p-Phthalic Acid		100-21-0	7.8E+04	nc	3.7E+04	nc
Phthalic Anhydride		85-44-9	1.6E+05	nc	7.3E+04	nc
Picloram		1918-02-1	4.6E+03	nc	2.6E+03	nc
Pinacoloxymethylphosphoryl fluoride	h	96-64-0	2.0E+00	nc	1.8E-01	nc
Pinacolyl methylphosphonofluoridate	h	96-64-0	2.0E+00	nc	1.8E-01	nc
Pirimiphos-Methyl		23505-41-1	6.5E+02	nc	3.7E+02	nc
Polybrominated Biphenyls		13336-36-3	5.0E+00	ca	7.6E-01	ca
Polychlorinated Biphenyls		1336-36-3	6.6E+00	ca	8.7E-01	ca
Polychlorinated Terphenyls		RRSE-015	1.4E+01	ca	1.5E+00	ca
Polychlorobiphenyl		1336-36-3	6.6E+00	ca	8.7E-01	ca
Potassium Cyanide		151-50-8	3.3E+03	nc	1.8E+03	nc
Potassium Silver Cyanide		506-61-6	1.3E+04	nc	7.3E+03	nc
Prochloraz		67747-09-5	3.0E+02	ca	3.3E+04	ca
Profluralin		26399-36-0	3.9E+02	nc	2.2E+02	nc
Prometon		1610-18-0	9.8E+02	nc	5.5E+02	nc
Prometryn		7287-19-6	2.6E+02	nc	1.5E+02	nc
Pronamide		23950-58-5	4.9E+03	nc	2.7E+03	nc
Propachlor		1918-16-7	8.5E+02	nc	4.7E+02	nc
Propane, 1-Chloro-2,3-Epoxy-		106-89-8	8.6E+00	nc	2.0E+00	nc
Propanil		709-98-8	3.3E+02	nc	1.8E+02	nc
2-Propanol, 1-Methoxy-		107-98-2	4.6E+04	nc	2.6E+04	nc
Propargite		2312-35-8	1.3E+03	nc	7.3E+02	nc
Propargyl Alcohol		107-19-7	1.3E+02	nc	7.3E+01	nc
Propazine		139-40-2	1.3E+03	nc	7.3E+02	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
2-Propenal		107-02-8	1.3E+03	nc	7.3E+02	nc
Propene, 3-Chloro-		107-05-1	3.3E+03	nc	1.8E+03	nc
Propenenitrile		107-13-1	1.3E+01	ca	3.7E+02	ca
2-Propenenitrile		107-13-1	1.3E+01	ca	3.7E+02	ca
2-Propenenitrile,2-methyl-		126-98-7	1.3E+00	nc	1.0E+00	nc
2-Propene-1-ol		107-18-6	3.3E+02	nc	1.8E+02	nc
2-Propenoic acid, ethyl ester	c	140-66-2	6.5E+01	ca	2.3E+01	ca
Propenol		107-18-6	3.3E+02	nc	1.8E+02	nc
1-Propenol-3		107-18-6	3.3E+02	nc	1.8E+02	nc
Propham		122-49-9	1.3E+03	nc	7.3E+02	nc
Propiconazole		60207-90-1	8.5E+02	nc	4.7E+02	nc
Propionic acid, 2-(2,4,5-Trichlorophenoxy)		93-72-1	5.2E+02	nc	2.9E+02	nc
Propionitrile, 3-Hydroxy-		109-78-4	2.0E+04	nc	1.1E+04	nc
Propoxur		114-26-1	2.6E+02	nc	1.5E+02	nc
Propyl-alpha,alpha,alpha-Trifluoro-p-Toluidine		1582-09-8	5.8E+03	ca	8.7E+02	ca
n-Propylcarbinyl Chloride		109-69-3	1.0E+03	sat nc	2.4E+03	nc
Propylene Aldehyde		107-02-8	1.3E+03	nc	7.3E+02	nc
Propylene Glycol		57-55-6	1.0E+05	nc	7.3E+05	nc
Propylene Glycol, Monoethyl Ether		111-35-3	4.6E+04	nc	2.6E+04	nc
Propylene Glycol, Monomethyl Ether		107-98-2	4.6E+04	nc	2.6E+04	nc
Propylene Oxide		75-56-9	NA	NA	2.2E+01	ca
Pursuit		81335-77-5	1.6E+04	nc	9.1E+03	nc
Pydrin		51630-58-1	1.6E+03	nc	9.1E+02	nc
Pyrene		129-00-0	2.0E+03	nc	1.1E+03	nc
beta-Pyrene		129-00-0	2.0E+03	nc	1.1E+03	nc
Pyridine		110-86-1	6.5E+01	nc	3.7E+01	nc
Quinalphos		13593-03-8	3.3E+01	nc	1.8E+01	nc
Quinoline		91-22-5	3.7E+00	ca	5.6E-01	ca
RDX		121-82-4	4.0E+02	ca	6.1E+01	ca
Resmethrin		10453-86-8	2.0E+03	nc	1.1E+03	nc
Ronnel		299-84-3	3.3E+03	nc	1.8E+03	nc
Rotenone		83-79-4	2.6E+02	nc	1.5E+02	nc
s-((tert-Butylthio)methyl) Diethylphosphorodithioate	o,o-	13071-79-9	1.6E+00	nc	9.1E-01	nc
s-Ethylbis(2-Methylpropyl)carbamothioate		2008-41-5	3.3E+03	nc	1.8E+03	nc
s-Triazine,2-Chloro-4,6-bis(Ethylamino)-		122-34-9	3.7E+02	ca	5.6E+01	ca
s-Triazine,2-Chloro-4-Ethylamino-6-Isopropylamino-		1912-24-9	2.0E+02	ca	3.0E+01	ca
Sarin	g	107-44-8	7.8E+00	nc	7.3E-01	nc
Savey		78578-05-0	1.6E+03	nc	9.1E+02	nc
Selenious Acid		7783-00-8	3.3E+02	nc	1.8E+02	nc
Selenium		7782-49-2	3.8E+02	nc	1.8E+02	nc
Selenourea		630-10-4	3.3E+02	nc	1.8E+02	nc
Sethoxydim		74051-80-2	5.9E+03	nc	3.3E+03	nc
Silver and compounds		7440-22-4	3.8E+02	nc	1.8E+02	nc
Silver Cyanide		506-64-9	6.5E+03	nc	3.7E+03	nc
Simazine		122-34-9	3.7E+02	ca	5.6E+01	ca
Sodium Azide		26628-22-8	2.6E+02	nc	1.5E+02	nc
Sodium Cyanide		143-33-9	2.6E+03	nc	1.5E+03	nc
Sodium Diethyldithiocarbamate		20624-25-3	1.6E+02	ca	2.5E+01	ca
Sodium Fluoroacetate		62-74-8	1.3E+00	nc	7.3E-01	nc
Sodium Metavanadate		13718-26-8	6.5E+01	nc	3.7E+01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Soman	h	96-64-0	2.0E+00	nc	1.8E-01	nc
Strontium (Stable)		7440-24-6	4.6E+04	nc	2.2E+04	nc
Strychnine		57-24-9	2.0E+01	nc	1.1E+01	nc
Styrene		100-42-5	2.2E+03	sat nc	1.6E+03	nc
Succinic acid		121-75-5	1.3E+03	nc	7.3E+02	nc
Sulfur Mustard	d	505-60-2	2.7E+00	nc	2.6E-01	nc
Systhane		88671-89-0	1.6E+03	nc	9.1E+02	nc
Tabun	f	77-81-6	1.6E+01	nc	1.5E+00	nc
Talstar (Biphenthrin)		82657-04-3	9.8E+02	nc	5.5E+02	nc
TBT0 (Tributyltin Oxide)		56-35-9	2.0E+00	nc	1.1E+00	nc
TCDD		1746-01-6	3.8E-04	ca	4.5E-05	ca
2,3,7,8-TCDD (Dioxin)		1746-01-6	3.8E-04	ca	4.5E-05	ca
TCMTB		3689-24-5	3.3E+01	nc	1.8E+01	nc
Tebuthiuron		34014-18-1	4.6E+03	nc	2.6E+03	nc
Temephos		3383-96-8	1.3E+03	nc	7.3E+02	nc
Terbacil		5902-51-2	8.5E+02	nc	4.7E+02	nc
Terbufos		13071-79-9	1.6E+00	nc	9.1E-01	nc
Terbutryn		886-50-0	6.5E+01	nc	3.7E+01	nc
Terephthalic Acid, Dimethyl Ester		120-61-6	6.5E+03	nc	3.7E+03	nc
tert-Butyl Methyl Ether		1634-04-4	3.3E+02	nc	1.8E+02	nc
1,2,4,5-Tetrachlorobenzene		95-94-3	2.0E+01	nc	1.1E+01	nc
2,4,5,6-Tetrachloro-1,3-Benzene-dicarbonitrile		1897-45-6	4.0E+03	ca	6.1E+02	ca
2,3,7,8-Tetrachlorobenz-1,4-Dioxin		1746-01-6	3.8E-04	ca	4.5E-05	ca
2,3,7,8-Tetrachlorobenz-p-Dioxin		1746-01-6	3.8E-04	ca	4.5E-05	ca
2,3,7,8-Tetrachlorodibenzo(1,4)Dioxin		1746-01-6	3.8E-04	ca	4.5E-05	ca
1,1,1,2-Tetrachloroethane		630-20-6	4.8E+02	ca	4.3E+01	ca
1,1,2,2-Tetrachloroethylene		79-34-5	9.0E+01	ca	5.5E+00	ca
Tetrachloroethylene		127-18-4	7.0E+02	ca	1.1E+02	ca
1,1,2,2-Tetrachloroethylene		127-18-4	7.0E+02	ca	1.1E+02	ca
2,3,4,6-Tetrachlorophenol		58-90-2	2.0E+03	nc	1.1E+03	nc
p,a,a,a-Tetrachlorotoluene		5216-25-1	2.2E+00	ca	3.4E-01	ca
Tetrachlorovinphos		961-11-5	1.9E+03	ca	2.8E+02	ca
Tetraethylidithiopyrophosphate		3689-24-5	3.3E+01	nc	1.8E+01	nc
Tetrahydro-1,4-Dioxin		123-91-1	1.4E+03	ca	1.0E+02	ca
Tetrahydro-p-Dioxin		123-91-1	1.4E+03	ca	1.0E+02	ca
Tetramethylenethiuram Disulphide		137-26-8	3.3E+02	nc	1.8E+02	nc
Tetramethylthiuram Bisulfide		137-26-8	3.3E+02	nc	1.8E+02	nc
Tetryl	a	479-45-8	7.8E+02	nc	NA	NA
Thallic Oxide		1314-32-1	5.4E+00	nc	2.6E+00	nc
Thallium Acetate		563-68-8	6.9E+00	nc	3.3E+00	nc
Thallium Carbonate		6533-73-9	6.1E+00	nc	2.9E+00	nc
Thallium Chloride		7791-12-0	6.1E+00	nc	2.9E+00	nc
Thallium Nitrate		10102-45-1	6.9E+00	nc	3.3E+00	nc
Thallium Selenite		12039-52-0	6.9E+00	nc	3.3E+00	nc
Thallium Sulfate		7446-18-6	6.1E+00	nc	2.9E+00	nc
2-(Thiocyanomethylthio)-benzothiazole (TCMTB)		3689-24-5	3.3E+01	nc	1.8E+01	nc
Thiobencarb		28249-77-6	6.5E+02	nc	3.7E+02	nc
2-(Thiocyanomethylthio)-Benzothiazole		3689-24-5	3.3E+01	nc	1.8E+01	nc
Thiodiglycol	b	111-48-8	1.0E+05	max	1.4E+07	nc
Thiofanox		39196-18-4	2.0E+01	nc	1.1E+01	nc

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
Thiolcarbamate		2008-41-5	3.3E+03	nc	1.8E+03	nc
Thiophanate-Methyl		23564-05-8	5.2E+03	nc	2.9E+03	nc
Thiram		137-26-8	3.3E+02	nc	1.8E+02	nc
Tin		7440-31-5	4.6E+04	nc	2.2E+04	nc
TNT		118-96-7	1.5E+03	ca	2.2E+02	ca
Toluene		108-88-3	1.9E+03	nc	7.2E+02	nc
Toluene hexahydride		108-87-2	5.6E+04	nc	3.1E+04	nc
Toluene, 2,4-Dinitro-		121-14-2	1.3E+02	nc	7.3E+01	nc
Toluene-2,4-Diamine		95-80-7	1.4E+01	ca	2.1E+00	ca
Toluene-2,5-Diamine		95-70-5	3.9E+04	nc	2.2E+04	nc
Toluene-2,6-Diamine		823-40-5	1.3E+04	nc	7.3E+03	nc
o-Toluidine		100-61-8	1.9E+02	ca	2.8E+01	ca
p-Toluidine		106-49-0	2.3E+02	ca	3.5E+01	ca
p-Toluidine,alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl		1582-09-8	5.8E+03	ca	8.7E+02	ca
Toluol		108-88-3	1.9E+03	nc	7.2E+02	nc
Tolylchloride		100-44-7	1.4E+02	ca	6.6E+00	ca
Toxaphene		8001-35-2	4.0E+01	ca	6.1E+00	ca
Tralomethrin		66841-25-6	4.9E+02	nc	2.7E+02	nc
trans-2-Butenal		123-73-9	1.6E+00	ca	5.9E-01	ca
1,2-trans-dichloroethylene		156-60-5	1.7E+02	nc	1.2E+02	nc
Triallate		2303-17-5	8.5E+02	nc	4.7E+02	nc
Triasulfuron		82097-50-5	6.5E+02	nc	3.7E+02	nc
as-Triazin-5(4H)-one,4-amino-6-tert-butyl-3-(methylthio)-		21087-64-9	1.6E+03	nc	9.1E+02	nc
1,2,4-Tribromobenzene		615-54-3	3.3E+02	nc	1.8E+02	nc
Tribromomethane		75-25-2	5.6E+03	ca	8.5E+02	ca
Tributyltin Oxide (TBTO)		56-35-9	2.0E+00	nc	1.1E+00	nc
2,4,6-Trichloroaniline						
Hydrochloride		33663-50-2	1.5E+03	ca	2.3E+02	ca
Trichloroaniline Hydrochloride,						
2,4,6-		33663-50-2	1.5E+03	ca	2.3E+02	ca
2,4,6-Trichloroaniline		634-93-5	1.3E+03	ca	2.0E+02	ca
1,2,4-Trichlorobenzene		120-82-1	6.2E+02	nc	1.9E+02	nc
2,2,2-Trichloro-1,1-di-(4-Chlorophenyl)Ethanol		115-32-2	1.0E+02	ca	1.5E+01	ca
1,1,1-Trichloroethane		71-55-6	3.0E+03	nc	1.3E+03	nc
1,1,2-Trichloroethane		79-00-5	1.4E+02	ca	2.0E+01	ca
Trichloroethylene (TCE)		79-01-6	7.1E+02	ca	1.6E+02	ca
Trichlorofluoromethane		75-69-4	7.1E+02	nc	1.3E+03	nc
2,4,5-Trichlorophenol		95-95-4	6.5E+03	nc	3.7E+03	nc
2,4,6-Trichlorophenol		88-06-2	4.0E+03	ca	6.1E+02	ca
2-(2,4,5-Trichlorophenoxy)Propionic Acid (2,4,5-TP)		93-72-1	5.2E+02	nc	2.9E+02	nc
2,4,5-T		93-76-5	6.5E+02	nc	3.7E+02	nc
2,4,5-Trichlorophenoxyacetic Acid		93-76-5	6.5E+02	nc	3.7E+02	nc
1,1,2-Trichloropropane		598-77-6	5.1E+01	nc	3.0E+01	nc
1,2,3-Trichloropropane		96-18-4	6.6E-01	ca	1.6E-01	ca
1,2,3-Trichloropropene		96-19-5	7.5E+01	nc	3.0E+01	nc
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	4.1E+03	sat	5.9E+04	nc
Tridiphane		58138-08-2	2.0E+02	nc	1.1E+02	nc
Triethylamine		121-44-8	2.2E+01	nc	1.2E+01	nc
N-(m-Trifluoromethylphenyl)-N',N'-Dimethylurea		2164-17-2	8.5E+02	nc	4.7E+02	nc
Trifluralin		1582-09-8	5.8E+03	ca	8.7E+02	ca
Trimethyl Phosphate		512-56-1	1.2E+03	ca	1.8E+02	ca

RELATIVE RISK COMPARISON VALUES
General Organic/Inorganic Analytes

Analyte	Note	CAS#	Soil (mg/kg)	Qualifier	Water (ug/L)	Qualifier
1,2,4-Trimethylbenzene	c	95-63-6	3.9E+01	nc	3.0E+00	nc
1,3,5-Trimethylbenzene	c	108-67-8	3.1E+01	nc	2.4E+00	nc
1,3,5-Trinitrobenzene		99-35-4	3.3E+00	nc	1.8E+00	nc
Trinitroglycerin	a	RRSE-016	1.0E+02	nc	NA	NA
TrinitrophenylmethylNitramine		479-45-8	6.5E+02	nc	3.7E+02	nc
2,4,6-Trinitrotoluene		118-96-7	1.5E+03	ca	2.2E+02	ca
unsym-Trichlorobenzene		120-82-1	6.2E+02	nc	1.9E+02	nc
Uranium (Soluble Salts)		7440-61-1	2.3E+02	nc	1.1E+02	nc
Urea,1,1-dimethyl-3-(alpha, alpha, alpha-trifluoro-m-tolyl)-		2164-17-2	8.5E+02	nc	4.7E+02	nc
Urea,N,N-dimethyl-N'-(3(trifluoromethyl)phenyl)-		2164-17-2	8.5E+02	nc	4.7E+02	nc
Vanadic anhydride		1314-62-1	6.9E+02	nc	3.3E+02	nc
Vanadium		7440-62-2	5.4E+02	nc	2.6E+02	nc
Vanadium oxide		1314-62-1	6.9E+02	nc	3.3E+02	nc
Vanadium pentaoxide, non-fused form		1314-62-1	6.9E+02	nc	3.3E+02	nc
Vanadium Pentoxide		1314-62-1	6.9E+02	nc	3.3E+02	nc
Vanadium Sulfate		13701-70-7	1.5E+03	nc	7.3E+02	nc
Vanadyl Sulfate		27774-13-6	1.5E+03	nc	7.3E+02	nc
Vernam		1929-77-7	6.5E+01	nc	3.7E+01	nc
Vinclozolin		50471-44-8	1.6E+03	nc	9.1E+02	nc
Vinyl 2-Chloroethyl Ether	c	110-75-8	2.0E+03	nc	1.5E+02	nc
Vinyl Acetate		108-05-4	6.5E+04	nc	3.7E+04	nc
Vinyl beta-Chloroethyl Ether	c	110-75-8	2.0E+03	nc	1.5E+02	nc
Vinyl Bromide		593-60-2	4.5E+01	ca	1.0E+01	ca
Vinyl Chloride		75-01-4	5.2E-01	ca	2.0E+00	ca
Vinyl Cyanide		107-13-1	1.3E+01	ca	3.7E+02	ca
Vinyl Ester Acetic Acid		108-05-4	6.5E+04	nc	3.7E+04	nc
Vinylbenzene		100-42-5	2.2E+03	sat nc	1.6E+03	nc
Vinylbenzol		100-42-5	2.2E+03	sat nc	1.6E+03	nc
VX	i	50782-69-9	2.7E-01	nc	2.6E-02	nc
Warfarin		81-81-2	2.0E+01	nc	1.1E+01	nc
Xylene		1330-20-7	9.9E+02	sat	1.4E+03	nc
Xylene (Mixed)		1330-20-7	9.9E+02	sat	1.4E+03	nc
1,3-Xylene		108-38-3	9.9E+02	sat nc	1.4E+03	nc
1,4-Xylene		106-42-3	9.9E+02	sat nc	1.4E+03	nc ^c
Isomers of xylene		1330-20-7	9.9E+02	sat	1.4E+03	nc
m-Xylene		108-38-3	9.9E+02	sat nc	1.4E+03	nc
o-Xylene		95-47-6	9.9E+02	sat	1.4E+03	nc
p-Xylene		106-42-3	9.9E+02	sat nc	5.2E+02	nc ^c
Xylenes (isomers and mixtures)		1330-20-7	9.9E+02	sat	1.4E+03	nc
2,4-Xylenol		105-67-9	1.3E+03	nc	7.3E+02	nc
Zenkor		21087-64-9	1.6E+03	nc	9.1E+02	nc
Zinc		7440-66-6	2.3E+04	nc	1.1E+04	nc
Zinc Cyanide		557-21-1	3.3E+03	nc	1.8E+03	nc
Zinc Phosphide		1314-84-7	2.3E+01	nc	1.1E+01	nc
Zineb		12122-67-7	3.3E+03	nc	1.8E+03	nc
Zineb Delete		12122-67-7	3.3E+03	nc	1.8E+03	nc

RELATIVE RISK COMPARISON VALUES

General Organic/Inorganic Analytes

Notes:

All values presented in scientific notation - e.g., 2.5E+02 = $2.5 \times 10^2 = 250$

mg/kg - milligrams per kilogram; equivalent to parts per million

ug/L - micrograms per Liter; equivalent to parts per billion

nc - value based on a non-cancer exposure endpoint

ca - value based on a carcinogenic exposure endpoint

sat - substance achieved point of saturation at this value

max -set at 100,000 mg/kg for soils (nonvolatiles)

Footnote in the qualifer column applies only to the associated media value. For example, the footnote "c" in the qualifier column for 1,4-Dimethylbenzene applies only to the value for water of 5.2E+02 ug/l.

a - Memorandum, HSHB-ME-SH, U.S. Army Environmental Hygiene Agency, 18 Nov 1993, subject: Risk-Based Soil Action Levels, Operation Safe Removal, Phase II, Spring Valley.

b - Opresko, D., et al, Estimated Control Limits, Technologies and Regulatory Requirements for Remediating Sites Potentially Contaminated with Nonstockpile Chemical Materiels, Final Draft Report, Oak Ridge National Laboratory, November 1994. These numbers are draft, as of March 1996.

c - U.S. Environmental Protection Agency, Region III, Risk-Based Concentration Table, July December 1995, October 20, 1995.

d - Oak Ridge National Laboratory, Draft Data Analysis for Sulfur Mustard (HD), April 1996.

e - Oak Ridge National Laboratory, Draft Data Analysis and Derivation of Reference Doses for Lewisite (CAS NO 541-25-3), January 1996.

f - Oak Ridge National Laboratory, Draft Data Analysis for Nerve Agent GA, April 1996

g - Oak Ridge National Laboratory, Draft Data Analysis for Nerve Agent GB, April 1996

h - Oak Ridge National Laboratory, Draft Data Analysis for Nerve Agent GD, April 1996

i - Oak Ridge National Laboratory, Draft Data Analysis for Nerve Agent VX, April 1996

j - No Chemical AbstractSystem (CAS) Number available, unique identifier assigned for database tracking

RELATIVE RISK COMPARISON VALUES
Radionuclides

Analyte	CAS#	Soil (pCi/kg)	Water (pCi/L)
Plutonium 236	15411-92-4	1.60E+06	9.50E+01
Plutonium 238	13981-16-3	3.60E+05	2.20E+01
Plutonium 239	15117-48-3	3.50E+05	2.10E+01
Plutonium 240	14119-33-6	3.50E+05	2.10E+01
Plutonium 241	14119-32-5	2.20E+07	1.30E+03
Plutonium 242	13982-10-0	3.60E+05	2.20E+01
Plutonium 243	15706-37-3	7.20E+08	4.30E+04
Plutonium 244	14119-34-7	3.60E+05	2.20E+01
Radium 226	13982-63-3	6.60E+05	4.00E+01
Radon 222	14859-67-7	5.70E+07	3.40E+03
Thorium 227	15623-47-9	1.80E+07	1.10E+03
Thorium 228	14274-82-9	7.20E+06	4.30E+02
Thorium 229	15594-54-4	3.80E+06	2.30E+02
Thorium 230	14269-63-7	6.10E+06	3.70E+02
Thorium 231	14932-40-2	2.00E+08	1.20E+04
Thorium 232	7440-29-1	NA	NA
Thorium 234	15065-10-8	2.00E+07	1.20E+03
Tritium	10028-17-8	NA	NA
Uranium 233	13968-55-3	5.00E+06	3.00E+02
Uranium 234	13966-29-5	5.00E+06	3.00E+02
Uranium 235	15117-96-1	5.00E+06	3.00E+02
Uranium 238	7440-61-1	NA	NA

Note - Values taken from EPA SCDM database
and adjusted for 1 in 10,000 cancer risk.