Changes in Toxicity Values, Physical and Chemical Parameters-

While very few toxicity factors changed (acetonitrile and benzene), physical and/or chemical factors were revised for several chemicals. These changes which include changing the molecular weight, the voc status, Henry's law number, physical state, may or may not have made a difference to the actual screening value derived. The chemicals with something changed are acetonitrile, benzene, o-chloronitrobenzene, p-chloronitrobenzene, chromium III, cyanogen, 1,2-dibromo-3-chloropropane, dibromochloromethane, hydrogen sulfide, methylcyclohexane, methylene bromide, alachlor, aldicarb, aldicarb sulfone, 4-aminopyridine, atrazine, captan, cargaryl, carbofuran, chlorobenzilate, chlorpyrifos, dicamba, 2,4-D, diethylstilbestrol, 3,3'-dimethylbenzidine, 1,3-dintrobenzene, 1,4-dintrobenzene, dioxin, endothall, ETU, kepone, maleic anhydride, 2-nitroaniline, p-nitrotoluene, oxamyl, parathion, polybrominated biphenyls, 1,1,1,2-tetrachloroethane, toluene-2-4-diamine, toluene-2-6-diamine, p-toluene, and 1,3,5-trinitrobenzene.

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
N=non-carcinogenic effects
sat= soil saturation concentration
max= maximum concentration

Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)					Ambient Air (Residential Scenario)	Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal				
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/m3	ug/l		mg/kg
Acetaldehyde	75-07-0		1.1E+01 C	1.1E+01 C	2.3E+01 C	2.9E+01 C	2.9E+01 C	8.7E-01 C			
Acetochlor	34256-82-1		1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N	7.3E+01 N	7.3E+02 N		
Acetone	67-64-1		1.6E+03 N	1.6E+03 N	6.3E+03 N	7.6E+03 N	7.6E+03 N	3.7E+02 N	6.1E+02 N		8.0E-01
Acetonitrile	75-05-8		6.2E+02 N	6.2E+02 N	2.0E+03 N	2.5E+03 N	2.5E+03 N	6.2E+01 N			
Acetophenone	98-86-2		5.0E-01 N	5.0E-01 N	1.6E+00 N	2.0E+00 N	2.0E+00 N	2.1E-02 N	4.2E-02 N		
Acrolein	107-02-8		1.0E-01 N	1.0E-01 N	3.4E-01 N	4.2E-01 N	4.2E-01 N	2.1E-02 N	4.2E-02 N		
Acrylamide	79-06-1		1.1E-01 C	1.4E-01 C	1.8E+00 C	4.7E-01 C	7.9E-01 C	1.5E-03 C	1.5E-02 C		
Acrylic acid	79-10-7		2.9E+04 N	3.7E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+00 N	1.8E+04 N		
Acrylonitrile	107-13-1		2.1E-01 C	2.1E-01 C	5.2E-01 C	6.1E-01 C	6.1E-01 C	2.8E-02 C	3.9E-02 C		
Alachlor	15972-60-8	2.0E+00	6.0E+00 C	8.0E+00 C	1.0E+02 C	2.7E+01 C	4.4E+01 C	8.4E-02 C	8.4E-01 C		
Alar	1596-84-5		9.2E+03 N	1.2E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max	5.5E+02 N	5.5E+03 N		
Aldicarb	116-06-3	7.0E+00	6.1E+01 N	7.8E+01 N	2.9E+03 N	7.7E+02 N	1.3E+03 N	3.7E+00 N	3.7E+01 N		
Aldicarb sulfone	1646-88-4	7.0E+00	6.1E+01 N	7.8E+01 N	2.9E+03 N	7.7E+02 N	1.3E+03 N	3.7E+00 N	3.7E+01 N		
Aldrin	309-00-2		2.9E-02 C	3.8E-02 C	4.8E-01 C	1.3E-01 C	2.1E-01 C	3.9E-04 C	4.0E-03 C		2.0E-02
Allyl chloride	107-05-1		3.0E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.2E+04 N	1.0E+00 N	1.8E+03 N		
Aluminum	7429-90-5		7.6E+04 N	7.6E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max	5.2E+00 N	3.7E+04 N		
Amdro	67485-29-4		1.8E+01 N	2.3E+01 N	8.8E+02 N	2.3E+02 N	3.8E+02 N	1.1E+00 N	1.1E+01 N		
4-Aminopyridine	504-24-5		1.2E+00 N	1.6E+00 N	5.8E+01 N	1.5E+01 N	2.6E+01 N	7.3E-02 N	7.3E-01 N		
Ammonia	7664-41-7							1.0E+02 N			
Aniline	62-53-3		8.5E+01 C	1.1E+02 C	1.4E+03 C	3.8E+02 C	6.3E+02 C	1.0E+00 N	1.2E+01 C		
Antimony and compounds	7440-36-0	6.0E+00	3.1E+01 N	3.1E+01 N	1.2E+03 N	5.1E+02 N	5.1E+02 N		1.5E+01 N		3.0E-01
Antimony pentoxide	1314-60-9		3.9E+01 N	3.9E+01 N	1.5E+03 N	6.4E+02 N	6.4E+02 N		1.8E+01 N		
Antimony tetroxide	1332-81-6		3.1E+01 N	3.1E+01 N	1.2E+03 N	5.1E+02 N	5.1E+02 N		1.5E+01 N		
Antimony trioxide	1309-64-4		3.1E+01 N	3.1E+01 N	1.2E+03 N	5.1E+02 N	5.1E+02 N	2.1E-01 N	1.5E+01 N		
Arsenic (noncancer endpoint)	7440-38-2	5.0E+01	2.2E+01 N	2.3E+01 N	8.8E+02 N	3.2E+02 N	3.8E+02 N				
Arsenic (cancer endpoint)	7440-38-2		3.9E-01 C	4.3E-01 C	5.4E+00 C	2.0E+00 C	2.4E+00 C	4.5E-04 C	4.5E-02 C		1.0E+00

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)								Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal								
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				ug/m3		ug/l		mg/kg
Arsine	7784-42-1										5.2E-02	N			
Assure	76578-12-6		5.5E+02	N	7.0E+02	N	2.6E+04	N	6.9E+03	N	1.1E+04	N	3.3E+01	N	3.3E+02	N	
Atrazine	1912-24-9	3.0E+00	2.2E+00	C	2.9E+00	C	3.7E+01	C	9.7E+00	C	1.6E+01	C	3.1E-02	C	3.0E-01	C	
Azobenzene	103-33-3		4.4E+00	C	5.8E+00	C	7.4E+01	C	2.0E+01	C	3.3E+01	C	6.2E-02	C	6.1E-01	C	
Barium and compounds	7440-39-3	2.0E+03	5.4E+03	N	5.4E+03	N	1.0E+05	max	8.3E+04	N	8.3E+04	N	5.2E-01	N	2.6E+03	N	8.2E+01
Baygon	114-26-1		2.4E+02	N	3.1E+02	N	1.2E+04	N	3.1E+03	N	5.1E+03	N	1.5E+01	N	1.5E+02	N	
Baythroid	68359-37-5		1.5E+03	N	2.0E+03	N	7.3E+04	N	1.9E+04	N	3.2E+04	N	9.1E+01	N	9.1E+02	N	
Bentazon	25057-89-0		1.8E+03	N	2.3E+03	N	8.8E+04	N	2.3E+04	N	3.8E+04	N	1.1E+02	N	1.1E+03	N	
Benzaldehyde	100-52-7		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N	
Benzene	71-43-2	5.0E+00	6.6E-01	C	6.6E-01	C	1.5E+00	C	1.8E+00	C	1.8E+00	C	2.5E-01	C	3.5E-01	C	2.0E-03
Benzidine	92-87-5		2.1E-03	C	2.8E-03	C	3.6E-02	C	9.4E-03	C	1.6E-02	C	2.9E-05	C	2.9E-04	C	
Benzoic acid	65-85-0		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.5E+04	N	1.5E+05	N	2.0E+01
Benzyl alcohol	100-51-6		1.8E+04	N	2.3E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.1E+03	N	1.1E+04	N	
Benzyl chloride	100-44-7		8.9E-01	C	8.9E-01	C	2.4E+00	C	2.7E+00	C	2.7E+00	C	4.0E-02	C	6.6E-02	C	
Beryllium and compounds	7440-41-7	4.0E+00	1.5E+02	N	1.5E+02	N	2.2E+03	C	2.4E+03	N	2.4E+03	N	8.0E-04	C	7.3E+01	N	3.0E+00
1,1-Biphenyl	92-52-4		3.0E+03	N	3.0E+03	N	3.3E+04	N	2.9E+04	N	2.9E+04	N	1.8E+02	N	3.0E+02	N	
Bis(2-chloroethyl)ether	111-44-4		2.1E-01	C	2.1E-01	C	6.4E-01	C	6.9E-01	C	6.9E-01	C	5.8E-03	C	9.8E-03	C	2.0E-05
Bis(2-chloroisopropyl)ether	39638-32-9		2.9E+00	C	2.9E+00	C	8.3E+00	C	9.2E+00	C	9.2E+00	C	1.9E-01	C	2.7E-01	C	
Bis(chloromethyl)ether	542-88-1		1.9E-04	C	1.9E-04	C	4.4E-04	C	5.4E-04	C	5.4E-04	C	3.1E-05	C	5.2E-05	C	
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	6.0E+00	3.5E+01	C	4.6E+01	C	5.8E+02	C	1.5E+02	C	2.6E+02	C	4.8E-01	C	4.8E+00	C	1.8E+02
Boron	7440-42-8		5.5E+03	N	7.0E+03	N	1.0E+05	max	6.9E+04	N	1.0E+05	max	2.1E+01	N	3.3E+03	N	
Boron trifluoride	7637-07-2		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	7.3E-01	N			
Bromobenzene	108-86-1		2.8E+01	N	2.8E+01	N	9.3E+01	N	1.2E+02	N	1.2E+02	N	1.0E+01	N	2.0E+01	N	
Bromodichloromethane	75-27-4		1.0E+00	C	1.0E+00	C	2.4E+00	C	2.9E+00	C	2.9E+00	C	1.1E-01	C	1.8E-01	C	3.0E-02
Bromoform (tribromomethane)	75-25-2		6.2E+01	C	8.1E+01	C	1.0E+03	C	2.7E+02	C	4.5E+02	C	1.7E+00	C	8.5E+00	C	4.0E-02

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal					
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		ug/m3		ug/l		mg/kg
Bromomethane	74-83-9		**3.9E+00** N	**3.9E+00** N	**1.3E+01** N	**1.6E+01** N	**1.6E+01** N		**5.2E+00** N		**8.7E+00** N		**1.0E-02**
Bromophos	2104-96-3		**3.1E+02** N	**3.9E+02** N	**1.5E+04** N	**3.8E+03** N	**6.4E+03** N		**1.8E+01** N		**1.8E+02** N		
Bromoxynil	1689-84-5		**1.2E+03** N	**1.6E+03** N	**5.8E+04** N	**1.5E+04** N	**2.6E+04** N		**7.3E+01** N		**7.3E+02** N		
1,3-Butadiene	106-99-0		**6.5E-03** C	**6.5E-03** C	**1.4E-02** C	**1.7E-02** C	**1.7E-02** C		**6.9E-03** C		**1.1E-02** C		
1-Butanol	71-36-3		**6.1E+03** N	**7.8E+03** N	**1.0E+05** max	**7.7E+04** N	**1.0E+05** max		**3.7E+02** N		**3.7E+03** N		**9.0E-01**
Butylate	2008-41-5		**3.1E+03** N	**3.9E+03** N	**1.0E+05** max	**3.8E+04** N	**6.4E+04** N		**1.8E+02** N		**1.8E+03** N		
n-Butylbenzene	104-51-8		**1.4E+02** N	**1.4E+02** N	**2.4E+02** sat	**2.4E+02** sat	**2.4E+02** sat		**3.7E+01** N		**6.1E+01** N		
sec-Butylbenzene	135-98-8		**1.1E+02** N	**1.1E+02** N	**2.2E+02** sat	**2.2E+02** sat	**2.2E+02** sat		**3.7E+01** N		**6.1E+01** N		
tert-Butylbenzene	98-06-6		**1.3E+02** N	**1.3E+02** N	**3.9E+02** sat	**3.9E+02** sat	**3.9E+02** sat		**3.7E+01** N		**6.1E+01** N		
Butyl benzyl phthalate	85-68-7		**2.4E+02** sat	**2.4E+02** sat	**2.4E+02** sat	**2.4E+02** sat	**2.4E+02** sat		**7.3E+02** N		**7.3E+03** N		**8.1E+02**
Cadmium and compounds	7440-43-9	5.0E+00	**3.9E+01** N	**3.9E+01** N	**1.5E+03** N	**6.3E+02** N	**6.4E+02** N		**1.1E-03** C		**1.8E+01** N		**4.0E-01**
Caprolactam	105-60-2		**3.1E+04** N	**3.9E+04** N	**1.0E+05** max	**1.0E+05** max	**1.0E+05** max		**1.8E+03** N		**1.8E+04** N		
Captan	133-06-2		**1.4E+02** C	**1.8E+02** C	**2.3E+03** C	**6.2E+02** C	**1.0E+03** C		**1.9E+00** C		**1.9E+01** C		
Carbaryl	63-25-2		**6.1E+03** N	**7.8E+03** N	**1.0E+05** max	**7.7E+04** N	**1.0E+05** max		**3.7E+02** N		**3.7E+03** N		
Carbazole	86-74-8		**2.4E+01** C	**3.2E+01** C	**4.1E+02** C	**1.1E+02** C	**1.8E+02** C		**3.4E-01** C		**3.4E+00** C		**3.0E-02**
Carbofuran	1563-66-2	4.0E+01	**3.1E+02** N	**3.9E+02** N	**1.5E+04** N	**3.8E+03** N	**6.4E+03** N		**1.8E+01** N		**1.8E+02** N		
Carbon disulfide	75-15-0		**3.6E+02** N	**3.6E+02** N	**7.2E+02** sat	**7.2E+02** sat	**7.2E+02** sat		**7.3E+02** N		**1.0E+03** N		**2.0E+00**
Carbon tetrachloride	56-23-5	5.0E+00	**2.4E-01** C	**2.4E-01** C	**5.3E-01** C	**6.6E-01** C	**6.6E-01** C		**1.3E-01** C		**1.7E-01** C		**3.0E-03**
Carbosulfan	55285-14-8		**6.1E+02** N	**7.8E+02** N	**2.9E+04** N	**7.7E+03** N	**1.3E+04** N		**3.7E+01** N		**3.7E+02** N		
Chloral	302-17-0		**1.2E+02** N	**1.6E+02** N	**5.8E+03** N	**1.5E+03** N	**2.6E+03** N		**7.3E+00** N		**7.3E+01** N		
Chloranil	118-75-2		**1.2E+00** C	**1.6E+00** C	**2.0E+01** C	**5.3E+00** C	**8.9E+00** C		**1.7E-02** C		**1.7E-01** C		
Chlordane	57-74-9	2.0E+00	**1.6E+00** C	**1.8E+00** C	**2.3E+01** C	**8.1E+00** C	**1.0E+01** C		**1.9E-02** C		**1.9E-01** C		**5.0E-01**
Chlorine	7782-50-5		**7.8E+03** N	**7.8E+03** N	**1.0E+05** max	**1.0E+05** max	**1.0E+05** max				**3.7E+03** N		
Chlorine dioxide	10049-04-4								**2.1E-01** N				
Chloroacetic acid	79-11-8		**1.2E+02** N	**1.6E+02** N	**5.8E+03** N	**1.5E+03** N	**2.6E+03** N		**7.3E+00** N		**7.3E+01** N		
4-Chloroaniline	106-47-8		**2.4E+02** N	**3.1E+02** N	**1.2E+04** N	**3.1E+03** N	**5.1E+03** N		**1.5E+01** N		**1.5E+02** N		**3.0E-02**
Chlorobenzene	108-90-7	1.0E+02	**1.5E+02** N	**1.5E+02** N	**5.5E+02** N	**6.8E+02** N	**6.8E+02** N		**6.3E+01** N		**1.1E+02** N		**7.0E-02**
Chlorobenzilate	510-15-6		**1.8E+00** C	**2.4E+00** C	**3.0E+01** C	**8.0E+00** C	**1.3E+01** C		**2.5E-02** C		**2.5E-01** C		

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)					Ambient Air (Residential Scenario)	Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal				
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/m3	ug/l		mg/kg
p-Chlorobenzoic acid	74-11-3		1.2E+04 N	1.6E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max	7.3E+02 N	7.3E+03 N		
4-Chlorobenzotrifluoride	98-56-6		1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N	7.3E+01 N	7.3E+02 N		
2-Chloro-1,3-butadiene	126-99-8		3.6E+00 N	3.6E+00 N	1.2E+01 N	1.5E+01 N	1.5E+01 N	7.3E+00 N	1.4E+01 N		
1-Chlorobutane	109-69-3		4.8E+02 sat	4.8E+02 sat	4.8E+02 sat	4.8E+02 sat	4.8E+02 sat	1.5E+03 N	2.4E+03 N		
1-Chloro-1,1-difluoroethane	75-68-3		3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	5.2E+04 N	8.7E+04 N		
Chlorodifluoromethane	75-45-6		3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	3.4E+02 sat	5.1E+04 N	8.5E+04 N		
Chloroform	67-66-3		2.4E-01 C	2.4E-01 C	5.2E-01 C	6.5E-01 C	6.5E-01 C	8.4E-02 C	1.6E-01 C		3.0E-02
Chloromethane	74-87-3		1.2E+00 C	1.2E+00 C	2.7E+00 C	3.3E+00 C	3.3E+00 C	1.1E+00 C	1.5E+00 C		
4-Chloro-2-methylaniline	95-69-2		8.4E-01 C	1.1E+00 C	1.4E+01 C	3.7E+00 C	6.2E+00 C	1.2E-02 C	1.2E-01 C		
beta-Chloronaphthalene	91-58-7		3.9E+03 N	3.9E+03 N	2.9E+04 N	2.9E+04 N	2.9E+04 N	2.9E+02 N	4.9E+02 N		
o-Chloronitrobenzene	88-73-3		1.5E+01 C	1.5E+01 C	6.4E+01 C	5.9E+01 C	5.9E+01 C	2.7E-01 C	4.5E-01 C		
p-Chloronitrobenzene	100-00-5		2.0E+01 C	2.0E+01 C	8.1E+01 C	7.6E+01 C	7.6E+01 C	3.7E-01 C	6.2E-01 C		
2-Chlorophenol	95-57-8		6.4E+01 N	6.4E+01 N	2.4E+02 N	3.0E+02 N	3.0E+02 N	1.8E+01 N	3.0E+01 N		2.0E-01
2-Chloropropane	75-29-6		1.7E+02 N	1.7E+02 N	6.0E+02 N	7.4E+02 N	7.4E+02 N	1.0E+02 N	1.7E+02 N		
o-Chlorotoluene	95-49-8		1.6E+02 N	1.6E+02 N	5.1E+02 sat	5.1E+02 sat	5.1E+02 sat	7.3E+01 N	1.2E+02 N		
Chlorpyrifos	2921-88-2		1.8E+02 N	2.3E+02 N	8.8E+03 N	2.3E+03 N	3.8E+03 N	1.1E+01 N	1.1E+02 N		
Chlorpyrifos-methyl	5598-13-0		6.1E+02 N	7.8E+02 N	2.9E+04 N	7.7E+03 N	1.3E+04 N	3.7E+01 N	3.7E+02 N		
Chromium III	16065-83-1	1.0E+02	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max		5.5E+04 N		
Total Chromium (1/6 ratio Cr VI/Cr III)	7440-47-3	1.0E+02	2.1E+02 C	2.1E+02 C	4.5E+02 C	5.6E+02 C	5.6E+02 C	1.6E-04 C			2.0E+00
Chromium VI	18540-29-9	1.0E+02	3.0E+01 C	3.0E+01 C	6.4E+01 C	8.0E+01 C	8.0E+01 C	2.3E-05 C	1.1E+02 N		2.0E+00
Cobalt	7440-48-4		3.4E+03 N	3.4E+03 N	3.1E+04 N	3.0E+04 N	3.0E+04 N	2.1E-02 N	2.2E+03 N		
Coke Oven Emissions	8007-45-2			4.1E+03 C	8.7E+03 C	1.1E+04 C	1.1E+04 C	3.1E-03 C			
Copper and compounds	7440-50-8	1.3E+03	2.9E+03 N	2.9E+03 N	1.0E+05 max	4.7E+04 N	4.7E+04 N		1.4E+03 N		
Crotonaldehyde	123-73-9		5.3E-03 C	5.3E-03 C	1.1E-02 C	1.4E-02 C	1.4E-02 C	3.5E-03 C	5.9E-03 C		
Cumene (isopropylbenzene)	98-82-8		1.6E+02 N	1.6E+02 N	5.2E+02 N	6.5E+02 sat	6.5E+02 sat	4.0E+02 N	6.6E+02 N		
Cyanazine	21725-46-2		5.8E-01 C	7.6E-01 C	9.7E+00 C	2.6E+00 C	4.3E+00 C	8.0E-03 C	8.0E-02 C		
Cyanides	n/a										
Barium cyanide	542-62-1		6.1E+03 N	7.8E+03 N	1.0E+05 max	7.7E+04 N	1.0E+05 max		3.7E+03 N		

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)					Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)	
			Residential	Residential w/o dermal	Industrial indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal				
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/m3		ug/l	mg/kg
Calcium cyanide	592-01-8		2.4E+03 N	3.1E+03 N	1.0E+05 max	3.1E+04 N	5.1E+04 N			1.5E+03 N	
Copper cyanide	544-92-3		3.1E+02 N	3.9E+02 N	1.5E+04 N	3.8E+03 N	6.4E+03 N			1.8E+02 N	
Cyanogen	460-19-5		3.1E+03 N	3.1E+03 N	1.0E+05 max	5.1E+04 N	5.1E+04 N			1.8E+02 N	
Cyanogen bromide	506-68-3		7.0E+03 N	7.0E+03 N	1.0E+05 max	1.0E+05 max	1.0E+05 max			1.5E+03 N	
Cyanogen chloride	506-77-4		3.9E+03 N	3.9E+03 N	1.0E+05 max	6.4E+04 N	6.4E+04 N			3.3E+03 N	
Free cyanide	57-12-5	2.0E+02	1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N			7.3E+02 N	2.0E+00
Hydrogen cyanide	74-90-8		1.1E+01 N	1.1E+01 N	3.6E+01 N	4.4E+01 N	4.4E+01 N	3.1E+00	N	6.2E+00 N	
Potassium cyanide	151-50-8		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N			1.8E+03 N	
Potassium silver cyanide	506-61-6		1.2E+04 N	1.6E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max			7.3E+03 N	
Silver cyanide	506-64-9		6.1E+03 N	7.8E+03 N	1.0E+05 max	7.7E+04 N	1.0E+05 max			3.7E+03 N	
Sodium cyanide	143-33-9		2.4E+03 N	3.1E+03 N	1.0E+05 max	3.1E+04 N	5.1E+04 N			1.5E+03 N	
Zinc cyanide	557-21-1		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N			1.8E+03 N	
Cyclohexanone	108-94-1		1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.8E+04	N	1.8E+05 N	
Cyhalothrin/Karate	68085-85-8		3.1E+02 N	3.9E+02 N	1.5E+04 N	3.8E+03 N	6.4E+03 N	1.8E+01	N	1.8E+02 N	
Cypermethrin	52315-07-8		6.1E+02 N	7.8E+02 N	2.9E+04 N	7.7E+03 N	1.3E+04 N	3.7E+01	N	3.7E+02 N	
Dacthal	1861-32-1		6.1E+02 N	7.8E+02 N	2.9E+04 N	7.7E+03 N	1.3E+04 N	3.7E+01	N	3.7E+02 N	
Dalapon	75-99-0	2.0E+02	1.8E+03 N	2.3E+03 N	8.8E+04 N	2.3E+04 N	3.8E+04 N	1.1E+02	N	1.1E+03 N	
DDD	72-54-8		2.4E+00 C	2.7E+00 C	3.4E+01 C	1.2E+01 C	1.5E+01 C	2.8E-02	C	2.8E-01 C	8.0E-01
DDE	72-55-9		1.7E+00 C	1.9E+00 C	2.4E+01 C	8.8E+00 C	1.1E+01 C	2.0E-02	C	2.0E-01 C	3.0E+00
DDT	50-29-3		1.7E+00 C	1.9E+00 C	2.4E+01 C	8.8E+00 C	1.1E+01 C	2.0E-02	C	2.0E-01 C	2.0E+00
Diazinon	333-41-5		5.5E+01 N	7.0E+01 N	2.6E+03 N	6.9E+02 N	1.1E+03 N	3.3E+00	N	3.3E+01 N	
Dibenzofuran	132-64-9		2.9E+02 N	2.9E+02 N	6.2E+03 N	3.9E+03 N	3.9E+03 N	1.5E+01	N	2.4E+01 N	
1,4-Dibromobenzene	106-37-6		6.1E+02 N	7.8E+02 N	2.9E+04 N	7.7E+03 N	1.3E+04 N	3.7E+01	N	3.7E+02 N	
Dibromochloromethane	124-48-1		1.0E+00 C	1.0E+00 C	2.4E+00 C	2.9E+00 C	2.9E+00 C	8.0E-02	C	1.3E-01 C	2.0E-02
1,2-Dibromo-3-chloropropane	96-12-8		4.5E-01 C	4.5E-01 C	5.6E+00 C	2.5E+00 C	2.5E+00 C	2.1E-01	N	4.8E-02 C	
1,2-Dibromoethane	106-93-4		6.9E-03 C	6.9E-03 C	6.2E-02 C	3.5E-02 C	3.5E-02 C	8.7E-03	C	7.6E-04 C	
Dibutyl phthalate	84-74-2		6.1E+03 N	7.8E+03 N	1.0E+05 max	7.7E+04 N	1.0E+05 max	3.7E+02	N	3.7E+03 N	2.7E+02
Dicamba	1918-00-9		1.8E+03 N	2.3E+03 N	8.8E+04 N	2.3E+04 N	3.8E+04 N	1.1E+02	N	1.1E+03 N	
1,2-Dichlorobenzene	95-50-1		3.7E+02 sat	3.7E+02 sat	3.7E+02 sat	3.7E+02 sat	3.7E+02 sat	2.1E+02	N	3.7E+02 N	9.0E-01

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels												Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (Ingestion, inhalation, with and without dermal exposure routes)										Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal						
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg
1,3-Dichlorobenzene	541-73-1	6.0E+02	1.3E+01	N	1.3E+01	N	5.2E+01	N	6.3E+01	N	6.3E+01	N	3.3E+00	N	5.5E+00	N	
1,4-Dichlorobenzene	106-46-7	7.5E+01	3.2E+00	C	3.2E+00	C	7.6E+00	C	9.1E+00	C	9.1E+00	C	2.8E-01	C	4.7E-01	C	1.0E-01
3,3-Dichlorobenzidine	91-94-1		1.1E+00	C	1.4E+00	C	1.8E+01	C	4.8E+00	C	7.9E+00	C	1.5E-02	C	1.5E-01	C	3.0E-04
1,4-Dichloro-2-butene	764-41-0		7.9E-03	C	7.9E-03	C	1.9E-02	C	2.2E-02	C	2.2E-02	C	7.2E-04	C	1.2E-03	C	
Dichlorodifluoromethane	75-71-8		9.4E+01	N	9.4E+01	N	3.1E+02	N	3.4E+02	sat	3.4E+02	sat	2.1E+02	N	3.9E+02	N	
1,1-Dichloroethane	75-34-3		5.9E+02	N	5.9E+02	N	2.1E+03	N	2.3E+03	sat	2.3E+03	sat	5.2E+02	N	8.1E+02	N	1.0E+00
1,2-Dichloroethane (EDC)	107-06-2	5.0E+00	3.5E-01	C	3.5E-01	C	7.7E-01	C	9.5E-01	C	9.5E-01	C	7.4E-02	C	1.2E-01	C	1.0E-03
1,1-Dichloroethylene	75-35-4	7.0E+00	5.4E-02	C	5.4E-02	C	1.2E-01	C	1.5E-01	C	1.5E-01	C	3.8E-02	C	4.6E-02	C	3.0E-03
1,2-Dichloroethylene (cis)	156-59-2	7.0E+01	4.3E+01	N	4.3E+01	N	1.5E+02	N	1.8E+02	N	1.8E+02	N	3.7E+01	N	6.1E+01	N	2.0E-02
1,2-Dichloroethylene (trans)	156-60-5	1.0E+02	6.3E+01	N	6.3E+01	N	2.1E+02	N	2.7E+02	N	2.7E+02	N	7.3E+01	N	1.2E+02	N	3.0E-02
2,4-Dichlorophenol	120-83-2		1.8E+02	N	2.3E+02	N	8.8E+03	N	2.3E+03	N	3.8E+03	N	1.1E+01	N	1.1E+02	N	5.0E-02
4-(2,4-Dichlorophenoxy) butyric Acid (2,4-DB)	94-82-6		4.9E+02	N	6.3E+02	N	2.3E+04	N	6.2E+03	N	1.0E+04	N	2.9E+01	N	2.9E+02	N	
2,4-Dichlorophenoxyacetic Acid (2,4-D)	94-75-7	7.0E+01	6.9E+02	N	7.8E+02	N	2.9E+04	N	9.6E+03	N	1.3E+04	N	3.7E+01	N	3.7E+02	N	
1,2-Dichloropropane	78-87-5	5.0E+00	3.5E-01	C	3.5E-01	C	7.7E-01	C	9.5E-01	C	9.5E-01	C	9.9E-02	C	1.6E-01	C	1.0E-03
1,3-Dichloropropene	542-75-6		7.0E-01	C	7.0E-01	C	1.6E+00	C	2.0E+00	C	2.0E+00	C	4.8E-01	C	4.0E-01	C	2.0E-04
2,3-Dichloropropanol	616-23-9		1.8E+02	N	2.3E+02	N	8.8E+03	N	2.3E+03	N	3.8E+03	N	1.1E+01	N	1.1E+02	N	
Dichlorvos	62-73-7		1.7E+00	C	2.2E+00	C	2.8E+01	C	7.4E+00	C	1.2E+01	C	2.3E-02	C	2.3E-01	C	
Dicofol	115-32-2		1.1E+00	C	1.5E+00	C	1.9E+01	C	4.9E+00	C	8.1E+00	C	1.5E-02	C	1.5E-01	C	
Dicyclopentadiene	77-73-6		5.5E-01	N	5.5E-01	N	1.8E+00	N	2.2E+00	N	2.2E+00	N	2.1E-01	N	4.2E-01	N	
Dieldrin	60-57-1		3.0E-02	C	4.0E-02	C	5.1E-01	C	1.3E-01	C	2.2E-01	C	4.2E-04	C	4.2E-03	C	2.0E-04
Diethylene glycol, monobutyl ether	112-34-5		3.5E+02	N	4.5E+02	N	1.7E+04	N	4.4E+03	N	7.3E+03	N	2.1E+01	N	2.1E+02	N	
Diethylene glycol, monoethyl ether	111-90-0		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	7.3E+03	N	7.3E+04	N	
Di(2-ethylhexyl)adipate	103-23-1	4.0E+02	4.1E+02	C	5.3E+02	C	6.8E+03	C	1.8E+03	C	3.0E+03	C	5.6E+00	C	5.6E+01	C	
Diethyl phthalate	84-66-2		4.9E+04	N	6.3E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	2.9E+03	N	2.9E+04	N	
Diethylstilbestrol	56-53-1		1.0E-04	C	1.4E-04	C	1.7E-03	C	4.6E-04	C	7.6E-04	C	1.4E-06	C	1.4E-05	C	

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)								Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)	
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal					
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg	
Difenzoquat (Avenge)	43222-48-6		4.9E+03	N	6.3E+03	N	1.0E+05	max	6.2E+04	N	1.0E+05	max	2.9E+02	N	2.9E+03	N		
1,1-Difluoroethane	75-37-6		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	4.2E+04	N	6.9E+04	N		
Diisopropyl methylphosphonate	1445-75-6		4.9E+03	N	6.3E+03	N	1.0E+05	max	6.2E+04	N	1.0E+05	max	2.9E+02	N	2.9E+03	N		
3,3'-Dimethoxybenzidine	119-90-4		3.5E+01	C	4.6E+01	C	5.8E+02	C	1.5E+02	C	2.6E+02	C	4.8E-01	C	4.8E+00	C		
Dimethylamine	124-40-3		6.7E-02	N	6.7E-02	N	2.5E-01	N	3.1E-01	N	3.1E-01	N	2.1E-02	N	3.5E-02	N		
N-N-Dimethylaniline	121-69-7		1.2E+02	N	1.6E+02	N	5.8E+03	N	1.5E+03	N	2.6E+03	N	7.3E+00	N	7.3E+01	N		
2,4-Dimethylaniline	95-68-1		6.5E-01	C	8.5E-01	C	1.1E+01	C	2.9E+00	C	4.8E+00	C	9.0E-03	C	9.0E-02	C		
2,4-Dimethylaniline hydrochloride	21436-96-4		8.4E-01	C	1.1E+00	C	1.4E+01	C	3.7E+00	C	6.2E+00	C	1.2E-02	C	1.2E-01	C		
3,3'-Dimethylbenzidine	119-93-7		5.3E-02	C	7.0E-02	C	8.9E-01	C	2.3E-01	C	3.9E-01	C	7.3E-04	C	7.3E-03	C		
1,1-Dimethylhydrazine	57-14-7		1.9E-01	C	2.5E-01	C	3.1E+00	C	8.3E-01	C	1.4E+00	C	1.9E-03	C	2.6E-02	C		
1,2-Dimethylhydrazine	540-73-8		1.3E-02	C	1.7E-02	C	2.2E-01	C	5.8E-02	C	9.7E-02	C	1.8E-04	C	1.8E-03	C		
Dimethylphenethylamine	122-09-8		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N		
2,4-Dimethylphenol	105-67-9		1.2E+03	N	1.6E+03	N	5.8E+04	N	1.5E+04	N	2.6E+04	N	7.3E+01	N	7.3E+02	N	4.0E-01	
2,6-Dimethylphenol	576-26-1		3.7E+01	N	4.7E+01	N	1.8E+03	N	4.6E+02	N	7.7E+02	N	2.2E+00	N	2.2E+01	N		
3,4-Dimethylphenol	95-65-8		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N		
Dimethyl phthalate	131-11-3		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	3.7E+04	N	3.7E+05	N		
4,6-Dinitro-o-cyclohexyl phenol	131-89-5		1.2E+02	N	1.6E+02	N	5.8E+03	N	1.5E+03	N	2.6E+03	N	7.3E+00	N	7.3E+01	N		
1,2-Dinitrobenzene	528-29-0		2.4E+01	N	3.1E+01	N	1.2E+03	N	3.1E+02	N	5.1E+02	N	1.5E+00	N	1.5E+01	N		
1,3-Dinitrobenzene	99-65-0		6.1E+00	N	7.8E+00	N	2.9E+02	N	7.7E+01	N	1.3E+02	N	3.7E-01	N	3.7E+00	N		
1,4-Dinitrobenzene	100-25-4		2.4E+01	N	3.1E+01	N	1.2E+03	N	3.1E+02	N	5.1E+02	N	1.5E+00	N	1.5E+01	N		
2,4-Dinitrophenol	51-28-5		1.2E+02	N	1.6E+02	N	5.8E+03	N	1.5E+03	N	2.6E+03	N	7.3E+00	N	7.3E+01	N	1.0E-02	
Dinitrotoluene mixture	25321-14-6		7.2E-01	C	9.4E-01	C	1.2E+01	C	3.2E+00	C	5.3E+00	C	9.9E-03	C	9.9E-02	C	4.0E-05	
2,4-Dinitrotoluene	121-14-2		1.2E+02	N	1.6E+02	N	5.8E+03	N	1.5E+03	N	2.6E+03	N	7.3E+00	N	7.3E+01	N	4.0E-05	
2,6-Dinitrotoluene	606-20-2		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N	3.0E-05	
Dinoseb	88-85-7	7.0E+00	6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N		
di-n-Octyl phthalate	117-84-0		1.2E+03	N	1.6E+03	N	5.8E+04	N	1.5E+04	N	2.6E+04	N	7.3E+01	N	7.3E+02	N	1.0E+04	

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
N=non-carcinogenic effects
sat= soil saturation concentration
max= maximum concentration

Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)	Tap Water (Residential Scenario: Ingestion & Inhalation)	
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal				
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		ug/m3	ug/l	mg/kg
1,4-Dioxane	123-91-1		4.4E+01 C	5.8E+01 C	7.4E+02 C	2.0E+02 C	3.3E+02 C		6.1E-01 C	6.1E+00 C	
Dioxin (2,3,7,8-TCDD)	1746-01-6		3.9E-06 C	4.3E-06 C	5.4E-05 C	2.0E-05 C	2.4E-05 C		4.5E-08 C	4.5E-07 C	
Diphenylamine	122-39-4		1.5E+03 N	2.0E+03 N	7.3E+04 N	1.9E+04 N	3.2E+04 N		9.1E+01 N	9.1E+02 N	
1,2-Diphenylhydrazine	122-66-7		6.1E-01 C	8.0E-01 C	1.0E+01 C	2.7E+00 C	4.5E+00 C		8.7E-03 C	8.4E-02 C	
Diphenyl sulfone	127-63-9		5.5E+02 N	7.0E+02 N	2.6E+04 N	6.9E+03 N	1.1E+04 N		3.3E+01 N	3.3E+02 N	
Diquat	85-00-7	2.0E+01	1.3E+02 N	1.7E+02 N	6.4E+03 N	1.7E+03 N	2.8E+03 N		8.0E+00 N	8.0E+01 N	
Disulfoton	298-04-4		2.4E+00 N	3.1E+00 N	1.2E+02 N	3.1E+01 N	5.1E+01 N		1.5E-01 N	1.5E+00 N	
1,4-Dithiane	505-29-3		6.1E+02 N	7.8E+02 N	2.9E+04 N	7.7E+03 N	1.3E+04 N		3.7E+01 N	3.7E+02 N	
Diuron	330-54-1		1.2E+02 N	1.6E+02 N	5.8E+03 N	1.5E+03 N	2.6E+03 N		7.3E+00 N	7.3E+01 N	
Endosulfan	115-29-7		3.7E+02 N	4.7E+02 N	1.8E+04 N	4.6E+03 N	7.7E+03 N		2.2E+01 N	2.2E+02 N	9.0E-01
Endothall	145-73-3	1.0E+02	1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N		7.3E+01 N	7.3E+02 N	
Endrin	72-20-8	2.0E+00	1.8E+01 N	2.3E+01 N	8.8E+02 N	2.3E+02 N	3.8E+02 N		1.1E+00 N	1.1E+01 N	5.0E-02
Epichlorohydrin	106-89-8		7.6E+00 N	7.6E+00 N	2.6E+01 N	3.2E+01 N	3.2E+01 N		1.0E+00 N	2.0E+00 N	
Ethion	563-12-2		3.1E+01 N	3.9E+01 N	1.5E+03 N	3.8E+02 N	6.4E+02 N		1.8E+00 N	1.8E+01 N	
2-Ethoxyethanol	110-80-5		2.4E+04 N	3.1E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		2.1E+02 N	1.5E+04 N	
2-Ethoxyethanol acetate	111-15-9		1.8E+04 N	2.3E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		1.1E+03 N	1.1E+04 N	
Ethyl acetate	141-78-6		1.9E+04 N	1.9E+04 N	3.7E+04 sat	3.7E+04 sat	3.7E+04 sat		3.3E+03 N	5.5E+03 N	
Ethylbenzene	100-41-4	7.0E+02	2.3E+02 sat	2.3E+02 sat	2.3E+02 sat	2.3E+02 sat	2.3E+02 sat		1.1E+03 N	1.3E+03 N	7.0E-01
Ethyl chloride	75-00-3		3.0E+00 C	3.0E+00 C	6.5E+00 C	8.1E+00 C	8.1E+00 C		2.3E+00 C	3.9E+00 C	
Ethylene diamine	107-15-3		1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N		7.3E+01 N	7.3E+02 N	
Ethylene glycol	107-21-1		1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max		7.3E+03 N	7.3E+04 N	
Ethylene glycol, monobutyl ether	111-76-2		3.5E+02 N	4.5E+02 N	1.7E+04 N	4.4E+03 N	7.3E+03 N		2.1E+01 N	2.1E+02 N	
Ethylene oxide	75-21-8		1.4E-01 C	1.4E-01 C	3.7E-01 C	4.2E-01 C	4.2E-01 C		1.9E-02 C	2.4E-02 C	
Ethylene thiourea (ETU)	96-45-7		4.4E+00 C	5.8E+00 C	7.4E+01 C	2.0E+01 C	3.3E+01 C		6.1E-02 C	6.1E-01 C	
Ethyl ether	60-29-7		1.8E+03 sat	1.8E+03 sat	1.8E+03 sat	1.8E+03 sat	1.8E+03 sat		7.3E+02 N	1.2E+03 N	
Ethyl methacrylate	97-63-2		1.4E+02 sat	1.4E+02 sat	1.4E+02 sat	1.4E+02 sat	1.4E+02 sat		3.3E+02 N	5.5E+02 N	
Fenamiphos	22224-92-6		1.5E+01 N	2.0E+01 N	7.3E+02 N	1.9E+02 N	3.2E+02 N		9.1E-01 N	9.1E+00 N	

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
N=non-carcinogenic effects
sat= soil saturation concentration
max= maximum concentration

Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)	
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal					
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		ug/m3		ug/l	mg/kg
Fluometuron	2164-17-2		7.9E+02 N	1.0E+03 N	3.8E+04 N	1.0E+04 N	1.7E+04 N		4.7E+01 N		4.7E+02 N	
Fluoride	16984-48-8	4.0E+03	3.7E+03 N	4.7E+03 N	1.0E+05 max	4.6E+04 N	7.7E+04 N				2.2E+03 N	
Fomesafen	72178-02-0		2.6E+00 C	3.4E+00 C	4.3E+01 C	1.1E+01 C	1.9E+01 C		3.5E-02 C		3.5E-01 C	
Fonofos	944-22-9		1.2E+02 N	1.6E+02 N	5.8E+03 N	1.5E+03 N	2.6E+03 N		7.3E+00 N		7.3E+01 N	
Formaldehyde	50-00-0		1.1E+01 C	1.4E+01 C	1.8E+02 C	4.7E+01 C	7.8E+01 C		1.5E-01 C		1.5E+00 C	
Formic Acid	64-18-6		1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max		7.3E+03 N		7.3E+04 N	
Furan	110-00-9		2.5E+00 N	2.5E+00 N	8.6E+00 N	1.1E+01 N	1.1E+01 N		3.7E+00 N		6.1E+00 N	
Furazolidone	67-45-8		1.3E-01 C	1.7E-01 C	2.2E+00 C	5.7E-01 C	9.4E-01 C		1.8E-03 C		1.8E-02 C	
Furfural	98-01-1		1.8E+02 N	2.3E+02 N	8.8E+03 N	2.3E+03 N	3.8E+03 N		5.2E+01 N		1.1E+02 N	
Glycidaldehyde	765-34-4		2.4E+01 N	3.1E+01 N	1.2E+03 N	3.1E+02 N	5.1E+02 N		1.0E+00 N		1.5E+01 N	
Glyphosate	1071-83-6	7.0E+02	6.1E+03 N	7.8E+03 N	1.0E+05 max	7.7E+04 N	1.0E+05 max		3.7E+02 N		3.7E+03 N	
Heptachlor	76-44-8	1.0E-01	1.1E-01 C	1.4E-01 C	1.8E+00 C	4.8E-01 C	7.9E-01 C		1.5E-03 C		1.5E-02 C	1.0E+00
Heptachlor epoxide	1024-57-3	2.0E-01	5.3E-02 C	7.0E-02 C	9.0E-01 C	2.4E-01 C	3.9E-01 C		7.4E-04 C		7.4E-03 C	3.0E-02
Hexabromobenzene	87-82-1		1.2E+02 N	1.6E+02 N	5.8E+03 N	1.5E+03 N	2.6E+03 N		7.3E+00 N		7.3E+01 N	
Hexachlorobenzene	118-74-1	1.0E+00	3.0E-01 C	4.0E-01 C	5.1E+00 C	1.3E+00 C	2.2E+00 C		4.2E-03 C		4.2E-02 C	1.0E-01
Hexachlorobutadiene	87-68-3		6.2E+00 C	8.2E+00 C	1.0E+02 C	2.8E+01 C	4.6E+01 C		8.7E-02 C		8.6E-01 C	1.0E-01
HCH (alpha)	319-84-6		9.0E-02 C	1.0E-01 C	1.3E+00 C	4.5E-01 C	5.7E-01 C		1.1E-03 C		1.1E-02 C	3.0E-05
HCH (beta)	319-85-7		3.2E-01 C	3.6E-01 C	4.5E+00 C	1.6E+00 C	2.0E+00 C		3.7E-03 C		3.7E-02 C	1.0E-04
HCH (gamma) Lindane	58-89-9	2.0E-01	4.4E-01 C	4.9E-01 C	6.3E+00 C	2.2E+00 C	2.8E+00 C		5.2E-03 C		5.2E-02 C	5.0E-04
HCH-technical	608-73-1		3.2E-01 C	3.6E-01 C	4.5E+00 C	1.6E+00 C	2.0E+00 C		3.8E-03 C		3.7E-02 C	1.0E-04
Hexachlorocyclopentadiene	77-47-4	5.0E+01	3.7E+02 N	4.7E+02 N	1.7E+04 N	4.6E+03 N	7.5E+03 N		2.1E-01 N		2.2E+02 N	2.0E+01
Hexachlorodibenzo-p-dioxin mixture (HxCDD)	19408-74-3		7.8E-05 C	1.0E-04 C	1.3E-03 C	3.5E-04 C	5.8E-04 C		1.5E-06 C		1.1E-05 C	
Hexachloroethane	67-72-1		3.5E+01 C	4.6E+01 C	5.8E+02 C	1.5E+02 C	2.6E+02 C		4.8E-01 C		4.8E+00 C	2.0E-02
Hexachlorophene	70-30-4		1.8E+01 N	2.3E+01 N	8.8E+02 N	2.3E+02 N	3.8E+02 N		1.1E+00 N		1.1E+01 N	
Hexahydro-1,3,5-trinitro-1,3,5-triazine	121-82-4		4.4E+00 C	5.8E+00 C	7.4E+01 C	2.0E+01 C	3.3E+01 C		6.1E-02 C		6.1E-01 C	
1,6-Hexamethylene diisocyanate	822-06-0		1.7E-01 N	2.2E-01 N	8.3E+00 N	2.2E+00 N	3.7E+00 N		1.0E-02 N		1.0E-01 N	

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
N=non-carcinogenic effects
sat= soil saturation concentration
max= maximum concentration

Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)								Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal					
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg	
n-Hexane	110-54-3		1.1E+02	sat	1.1E+02	sat	1.1E+02	sat	1.1E+02	sat	1.1E+02	sat	2.1E+02	N	3.5E+02	N		
Hexazinone	51235-04-2		2.0E+03	N	2.6E+03	N	9.6E+04	N	2.5E+04	N	4.2E+04	N	1.2E+02	N	1.2E+03	N		
Hydrazine, hydrazine sulfate	302-01-2		1.6E-01	C	2.1E-01	C	2.7E+00	C	7.2E-01	C	1.2E+00	C	3.9E-04	C	2.2E-02	C		
Hydrogen chloride	7647-01-0		1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.0E+05	max	2.1E+01	N				
Hydrogen sulfide	7783-06-4		1.8E+02	N	2.3E+02	N	8.7E+03	N	2.3E+03	N	3.8E+03	N	1.0E+00	N	1.1E+02	N		
p-Hydroquinone	123-31-9		2.4E+03	N	3.1E+03	N	1.0E+05	max	3.1E+04	N	5.1E+04	N	1.5E+02	N	1.5E+03	N		
Iron	7439-89-6		2.3E+04	N	2.3E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max			1.1E+04	N		
Isobutanol	78-83-1		1.3E+04	N	1.3E+04	N	4.0E+04	sat	4.0E+04	sat	4.0E+04	sat	1.1E+03	N	1.8E+03	N		
Isophorone	78-59-1		5.1E+02	C	6.7E+02	C	8.6E+03	C	2.3E+03	C	3.8E+03	C	7.1E+00	C	7.1E+01	C	3.0E-02	
Isopropalin	33820-53-0		9.2E+02	N	1.2E+03	N	4.4E+04	N	1.2E+04	N	1.9E+04	N	5.5E+01	N	5.5E+02	N		
Isopropyl methyl phosphonic acid	1832-54-8		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N		
Kepone	143-50-0		2.7E-02	C	3.6E-02	C	4.5E-01	C	1.2E-01	C	2.0E-01	C	3.7E-04	C	3.7E-03	C		
Lead	7439-92-1	1.5E+01	4.0E+02		4.0E+02		1.4E+03		1.4E+03		1.4E+03				1.5E+01			
Lead (tetraethyl)	78-00-2		6.1E-03	N	7.8E-03	N	2.9E-01	N	7.7E-02	N	1.3E-01	N			3.7E-03	N		
Lithium	7439-93-2		1.6E+03	N	1.6E+03	N	5.8E+04	N	2.6E+04	N	2.6E+04	N			7.3E+02	N		
Malathion	121-75-5		1.2E+03	N	1.6E+03	N	5.8E+04	N	1.5E+04	N	2.6E+04	N	7.3E+01	N	7.3E+02	N		
Maleic anhydride	108-31-6		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N		
Manganese and compounds	7439-96-5		3.2E+03	N	3.2E+03	N	5.6E+04	N	4.0E+04	N	4.0E+04	N	5.1E-02	N	1.7E+03	N		
Mephosfolan	950-10-7		5.5E+00	N	7.0E+00	N	2.6E+02	N	6.9E+01	N	1.1E+02	N	3.3E-01	N	3.3E+00	N		
Mepiquat	24307-26-4		1.8E+03	N	2.3E+03	N	8.8E+04	N	2.3E+04	N	3.8E+04	N	1.1E+02	N	1.1E+03	N		
2-Mercaptobenzothiazole	149-30-4		1.7E+01	C	2.2E+01	C	2.8E+02	C	7.4E+01	C	1.2E+02	C	2.3E-01	C	2.3E+00	C		
Mercury and compounds	7487-94-7	2.0E+00	2.3E+01	N	2.3E+01	N	8.8E+02	N	3.8E+02	N	3.8E+02	N			1.1E+01	N		
Mercury (elemental)	7439-97-6												3.1E-01	N			1.0E-01	
Mercury (methyl)	22967-92-6		6.1E+00	N	7.8E+00	N	2.9E+02	N	7.7E+01	N	1.3E+02	N			3.7E+00	N		
Methacrylonitrile	126-98-7		2.1E+00	N	2.1E+00	N	8.9E+00	N	1.1E+01	N	1.1E+01	N	7.3E-01	N	1.0E+00	N		
Methanol	67-56-1		3.1E+04	N	3.9E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	1.8E+03	N	1.8E+04	N		
Methidathion	950-37-8		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N		
Methoxychlor	72-43-5	4.0E+01	3.1E+02	N	3.9E+02	N	1.5E+04	N	3.8E+03	N	6.4E+03	N	1.8E+01	N	1.8E+02	N	8.0E+00	

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
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sat= soil saturation concentration
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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels: Soil (ingestion, inhalation, with and without dermal exposure routes)														Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal		Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg
Methyl acetate	79-20-9		2.2E+04	N	2.2E+04	N	9.7E+04	N	1.0E+05	max	1.0E+05	max	3.7E+03	N	6.1E+03	N	
Methyl acrylate	96-33-3		7.0E+01	N	7.0E+01	N	2.3E+02	N	2.9E+02	N	2.9E+02	N	1.1E+02	N	1.8E+02	N	
2-Methylaniline (o-toluidine)	95-53-4		2.0E+00	C	2.7E+00	C	3.4E+01	C	9.0E+00	C	1.5E+01	C	2.8E-02	C	2.8E-01	C	
2-Methyl-4-chlorophenoxyacetic acid	94-74-6		3.1E+01	N	3.9E+01	N	1.5E+03	N	3.8E+02	N	6.4E+02	N	1.8E+00	N	1.8E+01	N	
4-(2-Methyl-4-chlorophenoxy) butyric acid (MCPB)	94-81-5		6.1E+02	N	7.8E+02	N	2.9E+04	N	7.7E+03	N	1.3E+04	N	3.7E+01	N	3.7E+02	N	
2-(2-Methyl-4-chlorophenoxy) propionic acid	93-65-2		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N	
2-(2-Methyl-1,4-chlorophenoxy) propionic acid (MCPP)	16484-77-8		6.1E+01	N	7.8E+01	N	2.9E+03	N	7.7E+02	N	1.3E+03	N	3.7E+00	N	3.7E+01	N	
Methylcyclohexane	108-87-2		1.4E+02	sat	1.4E+02	sat	1.4E+02	sat	1.4E+02	sat	1.4E+02	sat	3.1E+03	N	5.2E+03	N	
4,4'-Methylene bis(2-chloroaniline)	101-14-4		3.7E+00	C	4.9E+00	C	6.3E+01	C	1.7E+01	C	2.8E+01	C	5.2E-02	C	5.2E-01	C	
4,4'-Methylene bis(N,N'-dimethyl)aniline	101-61-1		1.1E+01	C	1.4E+01	C	1.8E+02	C	4.7E+01	C	7.8E+01	C	1.5E-01	C	1.5E+00	C	
Methylene bromide	74-95-3		1.4E+02	N	1.4E+02	N	5.5E+02	N	6.7E+02	N	6.7E+02	N	3.7E+01	N	6.1E+01	N	
Methylene chloride	75-09-2		8.9E+00	C	8.9E+00	C	2.1E+01	C	2.5E+01	C	2.5E+01	C	4.1E+00	C	4.3E+00	C	1.0E-03
4,4'-Methylenediphenyl isocyanate	101-68-8		1.0E+01	N	1.3E+01	N	5.0E+02	N	1.3E+02	N	2.2E+02	N	6.2E-01	N	6.2E+00	N	
Methyl ethyl ketone	78-93-3		7.3E+03	N	7.3E+03	N	2.8E+04	N	3.4E+04	N	3.4E+04	N	1.0E+03	N	1.9E+03	N	
Methyl hydrazine	60-34-4		4.4E-01	C	5.8E-01	C	7.4E+00	C	2.0E+00	C	3.3E+00	C	6.1E-03	C	6.1E-02	C	
Methyl isobutyl ketone	108-10-1		7.9E+02	N	7.9E+02	N	2.9E+03	N	3.6E+03	N	3.6E+03	N	8.3E+01	N	1.6E+02	N	
Methyl mercaptan	74-93-1		3.5E+01	N	4.5E+01	N	1.7E+03	N	4.4E+02	N	7.3E+02	N	2.1E+00	N	2.1E+01	N	
Methyl methacrylate	80-62-6		2.2E+03	N	2.2E+03	N	2.7E+03	sat	2.7E+03	sat	2.7E+03	sat	7.3E+02	N	1.4E+03	N	
2-Methyl-5-nitroaniline	99-55-8		1.5E+01	C	1.9E+01	C	2.5E+02	C	6.5E+01	C	1.1E+02	C	2.0E-01	C	2.0E+00	C	
Methyl parathion	298-00-0		1.5E+01	N	2.0E+01	N	7.3E+02	N	1.9E+02	N	3.2E+02	N	9.1E-01	N	9.1E+00	N	
2-Methylphenol	95-48-7		3.1E+03	N	3.9E+03	N	1.0E+05	max	3.8E+04	N	6.4E+04	N	1.8E+02	N	1.8E+03	N	8.0E-01
3-Methylphenol	108-39-4		3.1E+03	N	3.9E+03	N	1.0E+05	max	3.8E+04	N	6.4E+04	N	1.8E+02	N	1.8E+03	N	
4-Methylphenol	106-44-5		3.1E+02	N	3.9E+02	N	1.5E+04	N	3.8E+03	N	6.4E+03	N	1.8E+01	N	1.8E+02	N	

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)								Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal						
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg
Methyl phosphonic acid	993-13-5		1.2E+03	N	1.6E+03	N	5.8E+04	N	1.5E+04	N	2.6E+04	N	7.3E+01	N	7.3E+02	N	
Methyl styrene (mixture)	25013-15-4		1.3E+02	N	1.3E+02	N	5.7E+02	N	6.7E+02	N	6.7E+02	N	4.2E+01	N	6.0E+01	N	
Methyl styrene (alpha)	98-83-9		6.8E+02	sat	6.8E+02	sat	6.8E+02	sat	6.8E+02	sat	6.8E+02	sat	2.6E+02	N	4.3E+02	N	
Methyl tertbutyl ether (MTBE)	1634-04-4												3.1E+03	N	2.0E+01		
Metolaclor (Dual)	51218-45-2		9.2E+03	N	1.2E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	5.5E+02	N	5.5E+03	N	
Mirex	2385-85-5		2.7E-01	C	3.6E-01	C	4.5E+00	C	1.2E+00	C	2.0E+00	C	3.7E-03	C	3.7E-02	C	
Molybdenum	7439-98-7		3.9E+02	N	3.9E+02	N	1.5E+04	N	6.4E+03	N	6.4E+03	N			1.8E+02	N	
Monochloramine	10599-90-3		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N	
Naled	300-76-5		1.2E+02	N	1.6E+02	N	5.8E+03	N	1.5E+03	N	2.6E+03	N	7.3E+00	N	7.3E+01	N	
Nickel and compounds	7440-02-0	1.0E+02	1.6E+03	N	1.6E+03	N	5.8E+04	N	2.6E+04	N	2.6E+04	N			7.3E+02	N	7.0E+00
Nickel refinery dust	n/a		1.1E+04	C	1.1E+04	C	2.2E+04	C	2.8E+04	C	2.8E+04	C	8.0E-03	C			
Nickel subsulfide	12035-72-2		5.2E+03	C	5.2E+03	C	1.1E+04	C	1.4E+04	C	1.4E+04	C	4.0E-03	C			
Nitrate	14797-55-8	1.0E+04													1.0E+04		
Nitric Oxide	10102-43-9		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max			3.7E+03	N	
Nitrite	14797-65-0	1.0E+03													1.0E+03		
2-Nitroaniline	88-74-4		3.7E+00	N	4.7E+00	N	1.8E+02	N	4.6E+01	N	7.7E+01	N	2.1E-01	N	2.2E+00	N	
Nitrobenzene	98-95-3		2.0E+01	N	2.0E+01	N	1.2E+02	N	1.3E+02	N	1.3E+02	N	2.1E+00	N	3.4E+00	N	7.0E-03
Nitrofurantoin	67-20-9		4.3E+03	N	5.5E+03	N	1.0E+05	max	5.4E+04	N	8.9E+04	N	2.6E+02	N	2.6E+03	N	
Nitrofurazone	59-87-0		3.2E-01	C	4.3E-01	C	5.4E+00	C	1.4E+00	C	2.4E+00	C	7.2E-04	C	4.5E-02	C	
Nitrogen dioxide	101102-44-0		6.1E+04	N	7.8E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max			3.7E+04	N	
4-Nitrophenol	100-02-7		4.9E+02	N	6.3E+02	N	2.3E+04	N	6.2E+03	N	1.0E+04	N	2.9E+01	N	2.9E+02	N	
2-Nitropropane	79-46-9		6.8E-02	C	6.8E-02	C	8.7E-01	C	3.8E-01	C	3.8E-01	C	7.2E-04	C	1.2E-03	C	
N-Nitrosodi-n-butylamine	924-16-3		2.4E-02	C	2.4E-02	C	6.3E-02	C	7.3E-02	C	7.3E-02	C	1.2E-03	C	2.0E-03	C	
N-Nitrosodiethanolamine	1116-54-7		1.7E-01	C	2.3E-01	C	2.9E+00	C	7.7E-01	C	1.3E+00	C	2.4E-03	C	2.4E-02	C	
N-Nitrosodiethylamine	55-18-5		3.2E-03	C	4.3E-03	C	5.4E-02	C	1.4E-02	C	2.4E-02	C	4.5E-05	C	4.5E-04	C	
N-Nitrosodimethylamine	62-75-9		9.5E-03	C	1.3E-02	C	1.6E-01	C	4.2E-02	C	7.0E-02	C	1.4E-04	C	1.3E-03	C	
N-Nitrosodiphenylamine	86-30-6		9.9E+01	C	1.3E+02	C	1.7E+03	C	4.4E+02	C	7.3E+02	C	1.4E+00	C	1.4E+01	C	6.0E-02
N-Nitroso di-n-propylamine	621-64-7		7.0E-02	C	9.1E-02	C	1.2E+00	C	3.1E-01	C	5.1E-01	C	9.6E-04	C	9.6E-03	C	2.0E-06

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal						
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		ug/m3		ug/l		mg/kg
N-Nitroso-N-methylethylamine	10595-95-6		2.2E-02 C	2.9E-02 C	3.7E-01 C	9.8E-02 C	1.6E-01 C		3.1E-04 C		3.1E-03 C		
N-Nitrosopyrrolidine	930-55-2		2.3E-01 C	3.0E-01 C	3.9E+00 C	1.0E+00 C	1.7E+00 C		3.1E-03 C		3.2E-02 C		
m-Nitrotoluene	99-08-1		7.8E+02 N	7.8E+02 N	2.9E+04 N	1.3E+04 N	1.3E+04 N		3.7E+01 N		6.1E+01 N		
o-Nitrotoluene	99-08-1		7.8E+02 N	7.8E+02 N	2.9E+04 N	1.3E+04 N	1.3E+04 N		3.7E+01 N		6.1E+01 N		
p-Nitrotoluene	99-99-0		7.8E+02 N	7.8E+02 N	2.9E+04 N	1.3E+04 N	1.3E+04 N		3.7E+01 N		6.1E+01 N		
NuStar	85509-19-9		4.3E+01 N	5.5E+01 N	2.0E+03 N	5.4E+02 N	8.9E+02 N		2.6E+00 N		2.6E+01 N		
Octahydro-1357-tetranitro-1357- tetrazocine (HMX)	2691-41-0		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N		1.8E+02 N		1.8E+03 N		
Oryzalin	19044-88-3		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N		1.8E+02 N		1.8E+03 N		
Oxadiazon	19666-30-9		3.1E+02 N	3.9E+02 N	1.5E+04 N	3.8E+03 N	6.4E+03 N		1.8E+01 N		1.8E+02 N		
Oxamyl	23135-22-0	2.0E+02	1.5E+03 N	2.0E+03 N	7.3E+04 N	1.9E+04 N	3.2E+04 N		9.1E+01 N		9.1E+02 N		
Oxyfluorfen	42874-03-3		1.8E+02 N	2.3E+02 N	8.8E+03 N	2.3E+03 N	3.8E+03 N		1.1E+01 N		1.1E+02 N		
Paraquat	4685-14-7		2.7E+02 N	3.5E+02 N	1.3E+04 N	3.5E+03 N	5.7E+03 N		1.6E+01 N		1.6E+02 N		
Parathion	56-38-2		3.7E+02 N	4.7E+02 N	1.8E+04 N	4.6E+03 N	7.7E+03 N		2.2E+01 N		2.2E+02 N		
Pentachlorobenzene	608-93-5		4.9E+01 N	6.3E+01 N	2.3E+03 N	6.2E+02 N	1.0E+03 N		2.9E+00 N		2.9E+01 N		
Pentachloronitrobenzene	82-68-8		1.9E+00 C	2.5E+00 C	3.1E+01 C	8.3E+00 C	1.4E+01 C		2.6E-02 C		2.6E-01 C		
Pentachlorophenol	87-86-5	1.0E+00	3.0E+00 C	5.3E+00 C	6.8E+01 C	1.1E+01 C	3.0E+01 C		5.6E-02 C		5.6E-01 C		1.0E-03
Perchlorate	7601-90-3		7.8E+00 N	7.8E+00 N	2.9E+02 N	1.3E+02 N	1.3E+02 N				3.7E+00 N		
Permethrin	52645-53-1		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N		1.8E+02 N		1.8E+03 N		
Phenol	108-95-2		3.7E+04 N	4.7E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		2.2E+03 N		2.2E+04 N		5.0E+00
Phenothiazine	92-84-2		1.2E+02 N	1.6E+02 N	5.8E+03 N	1.5E+03 N	2.6E+03 N		7.3E+00 N		7.3E+01 N		
m-Phenylenediamine	108-45-2		3.7E+02 N	4.7E+02 N	1.8E+04 N	4.6E+03 N	7.7E+03 N		2.2E+01 N		2.2E+02 N		
p-Phenylenediamine	106-50-3		1.2E+04 N	1.5E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		6.9E+02 N		6.9E+03 N		
Phenylmercuric acetate	62-38-4		4.9E+00 N	6.3E+00 N	2.3E+02 N	6.2E+01 N	1.0E+02 N		2.9E-01 N		2.9E+00 N		
2-Phenylphenol	90-43-7		2.5E+02 C	3.3E+02 C	4.2E+03 C	1.1E+03 C	1.8E+03 C		3.5E+00 C		3.5E+01 C		
Phosphine	7803-51-2		1.8E+01 N	2.3E+01 N	8.7E+02 N	2.3E+02 N	3.8E+02 N		3.1E-01 N		1.1E+01 N		
Phosphoric acid	7664-38-2								1.0E+01 N				
Phosphorus (white)	7723-14-0		1.6E+00 N	1.6E+00 N	5.8E+01 N	2.6E+01 N	2.6E+01 N				7.3E-01 N		
p-Phthalic acid	100-21-0		6.1E+04 N	7.8E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		3.7E+03 N		3.7E+04 N		

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			Soil (ingestion, inhalation, with and without dermal exposure routes)					Ambient Air (Residential Scenario)	Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal				
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/m3	ug/l		mg/kg
Phthalic anhydride	85-44-9		1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.2E+02 N	7.3E+04 N		
Polybrominated biphenyls			5.5E-02 C	7.2E-02 C	9.2E-01 C	2.4E-01 C	4.0E-01 C	7.6E-04 C	7.6E-03 C		
Polychlorinated biphenyls (PCBs)	1336-36-3	5.0E-01	2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1016	12674-11-2		3.9E+00 N	5.5E+00 N	1.2E+02 C	2.7E+01 C	5.1E+01 C	9.6E-02 C	9.6E-01 C		
Aroclor 1221	11104-28-2		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1232	11141-16-5		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1242	53469-21-9		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1248	12672-29-6		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1254	11097-69-1		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Aroclor 1260	11096-82-5		2.2E-01 C	3.2E-01 C	4.1E+00 C	9.3E-01 C	1.8E+00 C	3.4E-03 C	3.4E-02 C		
Polynuclear aromatic hydrocarbons											
Acenaphthene	83-32-9		3.7E+03 N	3.7E+03 N	4.2E+04 N	3.7E+04 N	3.7E+04 N	2.2E+02 N	3.7E+02 N		2.9E+01
Anthracene	120-12-7		2.2E+04 N	2.2E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.1E+03 N	1.8E+03 N		5.9E+02
Benz[a]anthracene	56-55-3		6.2E-01 C	8.8E-01 C	1.1E+01 C	2.6E+00 C	4.9E+00 C	2.2E-02 C	9.2E-02 C		8.0E-02
Benzo[b]fluoranthene	205-99-2		6.2E-01 C	8.8E-01 C	1.1E+01 C	2.6E+00 C	4.9E+00 C	2.2E-02 C	9.2E-02 C		2.0E-01
Benzo[k]fluoranthene	207-08-9		6.2E+00 C	8.8E+00 C	1.1E+02 C	2.6E+01 C	4.9E+01 C	2.2E-01 C	9.2E-01 C		2.0E+00
Benzo[a]pyrene	50-32-8	2.0E-01	6.2E-02 C	8.8E-02 C	1.1E+00 C	2.6E-01 C	4.9E-01 C	2.2E-03 C	9.2E-03 C		4.0E-01
Chrysene	218-01-9		6.2E+01 C	8.8E+01 C	1.1E+03 C	2.6E+02 C	4.9E+02 C	2.2E+00 C	9.2E+00 C		8.0E+00
Dibenz[ah]anthracene	53-70-3		6.2E-02 C	8.8E-02 C	1.1E+00 C	2.6E-01 C	4.9E-01 C	2.2E-03 C	9.2E-03 C		8.0E-02
Fluoranthene	206-44-0		2.3E+03 N	3.1E+03 N	1.0E+05 max	2.8E+04 N	5.1E+04 N	1.5E+02 N	1.5E+03 N		2.1E+02
Fluorene	86-73-7		2.6E+03 N	2.6E+03 N	3.8E+04 N	2.9E+04 N	2.9E+04 N	1.5E+02 N	2.4E+02 N		2.8E+01
Indeno[1,2,3-cd]pyrene	193-39-5		6.2E-01 C	8.8E-01 C	1.1E+01 C	2.6E+00 C	4.9E+00 C	2.2E-02 C	9.2E-02 C		7.0E-01
Naphthalene	91-20-3		5.6E+01 N	5.6E+01 N	1.9E+02 N	2.4E+02 N	2.4E+02 N	3.1E+00 N	6.2E+00 N		4.0E+00
Pyrene	129-00-0		2.3E+03 N	2.3E+03 N	7.4E+04 N	3.6E+04 N	3.6E+04 N	1.1E+02 N	1.8E+02 N		2.1E+02
Prometon	1610-18-0		9.2E+02 N	1.2E+03 N	4.4E+04 N	1.2E+04 N	1.9E+04 N	5.5E+01 N	5.5E+02 N		
Prometryn	7287-19-6		2.4E+02 N	3.1E+02 N	1.2E+04 N	3.1E+03 N	5.1E+03 N	1.5E+01 N	1.5E+02 N		
Propachlor	1918-16-7		7.9E+02 N	1.0E+03 N	3.8E+04 N	1.0E+04 N	1.7E+04 N	4.7E+01 N	4.7E+02 N		

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
N=non-carcinogenic effects
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max= maximum concentration

Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels								Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)	Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal					
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		ug/m3	ug/l	mg/kg	
Propanil	709-98-8		3.1E+02 N	3.9E+02 N	1.5E+04 N	3.8E+03 N	6.4E+03 N		1.8E+01 N	1.8E+02 N		
Propargite	2312-35-8		1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N		7.3E+01 N	7.3E+02 N		
Propargyl alcohol	107-19-7		1.2E+02 N	1.6E+02 N	5.8E+03 N	1.5E+03 N	2.6E+03 N		7.3E+00 N	7.3E+01 N		
Propazine	139-40-2		1.2E+03 N	1.6E+03 N	5.8E+04 N	1.5E+04 N	2.6E+04 N		7.3E+01 N	7.3E+02 N		
Propiconazole	60207-90-1		7.9E+02 N	1.0E+03 N	3.8E+04 N	1.0E+04 N	1.7E+04 N		4.7E+01 N	4.7E+02 N		
iso-Propylbenzene	98-82-8		1.3E+02 N	1.3E+02 N	3.9E+02 sat	3.9E+02 sat	3.9E+02 sat		3.7E+01 N	6.1E+01 N		
n-Propylbenzene	103-65-1		1.4E+02 N	1.4E+02 N	2.4E+02 sat	2.4E+02 sat	2.4E+02 sat		3.7E+01 N	6.1E+01 N		
Propylene glycol	57-55-6		1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max	1.0E+05 max		7.3E+04 N	7.3E+05 N		
Propylene glycol, monoethyl ether	111-35-3		4.3E+04 N	5.5E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		2.6E+03 N	2.6E+04 N		
Propylene glycol, monomethyl ether	107-98-2		4.3E+04 N	5.5E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		2.1E+03 N	2.6E+04 N		
Propylene oxide	75-56-9		1.9E+00 C	1.9E+00 C	1.0E+01 C	8.3E+00 C	8.3E+00 C		5.2E-01 C	2.2E-01 C		
Pursuit	81335-77-5		1.5E+04 N	2.0E+04 N	1.0E+05 max	1.0E+05 max	1.0E+05 max		9.1E+02 N	9.1E+03 N		
Pyridine	110-86-1		6.1E+01 N	7.8E+01 N	2.9E+03 N	7.7E+02 N	1.3E+03 N		3.7E+00 N	3.7E+01 N		
Quinoline	91-22-5		4.1E-02 C	5.3E-02 C	6.8E-01 C	1.8E-01 C	3.0E-01 C		5.6E-04 C	5.6E-03 C		
RDX (Cyclonite)	121-82-4		4.4E+00 C	5.8E+00 C	7.4E+01 C	2.0E+01 C	3.3E+01 C		6.1E-02 C	6.1E-01 C		
Resmethrin	10453-86-8		1.8E+03 N	2.3E+03 N	8.8E+04 N	2.3E+04 N	3.8E+04 N		1.1E+02 N	1.1E+03 N		
Ronnel	299-84-3		3.1E+03 N	3.9E+03 N	1.0E+05 max	3.8E+04 N	6.4E+04 N		1.8E+02 N	1.8E+03 N		
Rotenone	83-79-4		2.4E+02 N	3.1E+02 N	1.2E+04 N	3.1E+03 N	5.1E+03 N		1.5E+01 N	1.5E+02 N		
Selenious Acid	7783-00-8		3.1E+02 N	3.9E+02 N	1.5E+04 N	3.8E+03 N	6.4E+03 N			1.8E+02 N		
Selenium	7782-49-2	5.0E+01	3.9E+02 N	3.9E+02 N	1.5E+04 N	6.4E+03 N	6.4E+03 N			1.8E+02 N	3.0E-01	
Silver and compounds	7440-22-4		3.9E+02 N	3.9E+02 N	1.5E+04 N	6.4E+03 N	6.4E+03 N			1.8E+02 N	2.0E+00	
Simazine	122-34-9	4.0E+00	4.1E+00 C	5.3E+00 C	6.8E+01 C	1.8E+01 C	3.0E+01 C		5.6E-02 C	5.6E-01 C		
Sodium azide	26628-22-8		2.4E+02 N	3.1E+02 N	1.2E+04 N	3.1E+03 N	5.1E+03 N		1.5E+01 N	1.5E+02 N		
Sodium diethyldithiocarbamate	148-18-5		1.8E+00 C	2.4E+00 C	3.0E+01 C	8.0E+00 C	1.3E+01 C		2.5E-02 C	2.5E-01 C		
Sodium fluoroacetate	62-74-8		1.2E+00 N	1.6E+00 N	5.8E+01 N	1.5E+01 N	2.6E+01 N		7.3E-02 N	7.3E-01 N		
Sodium metavanadate	13718-26-8		6.1E+01 N	7.8E+01 N	2.9E+03 N	7.7E+02 N	1.3E+03 N		3.7E+00 N	3.7E+01 N		

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

Basis: C=carcinogenic effects
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sat= soil saturation concentration
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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels												Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)										Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal						
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg
Strontium, stable	7440-24-6		4.7E+04	N	4.7E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max			2.2E+04	N	
Strychnine	57-24-9		1.8E+01	N	2.3E+01	N	8.8E+02	N	2.3E+02	N	3.8E+02	N	1.1E+00	N	1.1E+01	N	
Styrene	100-42-5	1.0E+02	1.7E+03	sat	1.7E+03	sat	1.7E+03	sat	1.7E+03	sat	1.7E+03	sat	1.1E+03	N	1.6E+03	N	2.0E-01
2,3,7,8-TCDD (dioxin)	1746-01-6	3.0E-05	3.9E-06	C	4.3E-06	C	5.4E-05	C	2.0E-05	C	2.4E-05	C	4.5E-08	C	4.5E-07	C	
1,2,4,5-Tetrachlorobenzene	95-94-3		1.8E+01	N	2.3E+01	N	8.8E+02	N	2.3E+02	N	3.8E+02	N	1.1E+00	N	1.1E+01	N	
1,1,1,2-Tetrachloroethane	630-20-6		3.0E+00	C	3.0E+00	C	7.1E+00	C	8.5E+00	C	8.5E+00	C	2.6E-01	C	4.3E-01	C	
1,1,2,2-Tetrachloroethane	79-34-5		3.8E-01	C	3.8E-01	C	9.1E-01	C	1.1E+00	C	1.1E+00	C	3.3E-02	C	5.5E-02	C	2.0E-04
Tetrachloroethylene (PCE)	127-18-4	5.0E+00	5.7E+00	C	5.7E+00	C	2.0E+01	C	2.0E+01	C	2.0E+01	C	3.3E+00	C	1.1E+00	C	3.0E-03
2,3,4,6-Tetrachlorophenol	58-90-2		1.8E+03	N	2.3E+03	N	8.8E+04	N	2.3E+04	N	3.8E+04	N	1.1E+02	N	1.1E+03	N	
p,a,a,a-Tetrachlorotoluene	5216-25-1		2.4E-02	C	3.2E-02	C	4.1E-01	C	1.1E-01	C	1.8E-01	C	3.4E-04	C	3.4E-03	C	
Tetrachlorovinphos	961-11-5		2.0E+01	C	2.7E+01	C	3.4E+02	C	9.0E+01	C	1.5E+02	C	2.8E-01	C	2.8E+00	C	
Tetrahydrofuran	109-99-9		6.4E+01	C	8.4E+01	C	1.1E+03	C	2.8E+02	C	4.7E+02	C	9.9E-01	C	8.8E+00	C	
Thallic oxide	1314-32-5		5.5E+00	N	5.5E+00	N	2.0E+02	N	8.9E+01	N	8.9E+01	N			2.6E+00	N	
Thallium acetate	563-68-8	2.0E+00	7.0E+00	N	7.0E+00	N	2.6E+02	N	1.1E+02	N	1.1E+02	N			3.3E+00	N	4.0E-01
Thallium carbonate	6533-73-9	2.0E+00	6.3E+00	N	6.3E+00	N	2.3E+02	N	1.0E+02	N	1.0E+02	N			2.9E+00	N	4.0E-01
Thallium chloride	7791-12-0	2.0E+00	6.3E+00	N	6.3E+00	N	2.3E+02	N	1.0E+02	N	1.0E+02	N			2.9E+00	N	4.0E-01
Thallium nitrate	10102-45-1	2.0E+00	7.0E+00	N	7.0E+00	N	2.6E+02	N	1.1E+02	N	1.1E+02	N			3.3E+00	N	4.0E-01
Thallium selenite	12039-52-0	2.0E+00	7.0E+00	N	7.0E+00	N	2.6E+02	N	1.1E+02	N	1.1E+02	N			3.3E+00	N	4.0E-01
Thallium sulfate	7446-18-6	2.0E+00	6.3E+00	N	6.3E+00	N	2.3E+02	N	1.0E+02	N	1.0E+02	N			2.9E+00	N	4.0E-01
Thiobencarb	28249-77-6		6.1E+02	N	7.8E+02	N	2.9E+04	N	7.7E+03	N	1.3E+04	N	3.7E+01	N	3.7E+02	N	
Thiocyanate	N/A		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N	
Tin and compounds	n/a		4.7E+04	N	4.7E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max			2.2E+04	N	
Toluene	108-88-3	1.0E+03	5.2E+02	sat	5.2E+02	sat	5.2E+02	sat	5.2E+02	sat	5.2E+02	sat	4.0E+02	N	7.2E+02	N	6.0E-01
Toluene-2,4-diamine	95-80-7		1.5E-01	C	2.0E-01	C	2.6E+00	C	6.7E-01	C	1.1E+00	C	2.1E-03	C	2.1E-02	C	
Toluene-2,5-diamine	95-70-5		3.7E+04	N	4.7E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	2.2E+03	N	2.2E+04	N	
Toluene-2,6-diamine	823-40-5		1.2E+04	N	1.6E+04	N	1.0E+05	max	1.0E+05	max	1.0E+05	max	7.3E+02	N	7.3E+03	N	
p-Toluidine	106-49-0		2.6E+00	C	3.4E+00	C	4.3E+01	C	1.1E+01	C	1.9E+01	C	3.5E-02	C	3.5E-01	C	
Toxaphene	8001-35-2	3.0E+00	4.4E-01	C	5.8E-01	C	7.4E+00	C	2.0E+00	C	3.3E+00	C	6.0E-03	C	6.1E-02	C	2.0E+00

EPA REGION 6- HUMAN HEALTH MEDIUM-SPECIFIC SCREENING LEVELS

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)	
			Soil (ingestion, inhalation, with and without dermal exposure routes)						Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)			
			Residential		Residential w/o dermal		Industrial Indoor Worker w/o dermal		Industrial Outdoor Worker		Industrial Outdoor Worker w/o dermal							
		ug/l	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		ug/m3		ug/l		mg/kg	
1,2,4-Tribromobenzene	615-54-3		3.1E+02	N	3.9E+02	N	1.5E+04	N	3.8E+03	N	6.4E+03	N	1.8E+01	N	1.8E+02	N		
Tributyltin oxide (TBTO)	56-35-9		1.8E+01	N	2.3E+01	N	8.8E+02	N	2.3E+02	N	3.8E+02	N			1.1E+01	N		
2,4,6-Trichloroaniline	634-93-5		1.4E+01	C	1.9E+01	C	2.4E+02	C	6.3E+01	C	1.1E+02	C	2.0E-01	C	2.0E+00	C		
1,2,4-Trichlorobenzene	120-82-1	7.0E+01	6.5E+02	N	6.5E+02	N	3.0E+03	sat	3.0E+03	sat	3.0E+03	sat	2.1E+02	N	1.9E+02	N	3.0E-01	
1,1,1-Trichloroethane	71-55-6	2.0E+02	7.7E+02	N	7.7E+02	N	1.4E+03	sat	1.4E+03	sat	1.4E+03	sat	1.0E+03	N	7.9E+02	N	1.0E-01	
1,1,2-Trichloroethane	79-00-5	5.0E+00	8.4E-01	C	8.4E-01	C	1.9E+00	C	2.3E+00	C	2.3E+00	C	1.2E-01	C	2.0E-01	C	9.0E-04	
Trichloroethylene (TCE)	79-01-6	5.0E+00	2.8E+00	C	2.8E+00	C	6.2E+00	C	7.6E+00	C	7.6E+00	C	1.1E+00	C	1.6E+00	C	3.0E-03	
Trichlorofluoromethane	75-69-4		3.9E+02	N	3.9E+02	N	1.3E+03	N	1.6E+03	N	1.6E+03	N	7.3E+02	N	1.3E+03	N		
2,4,5-Trichlorophenol	95-95-4		6.1E+03	N	7.8E+03	N	1.0E+05	max	7.7E+04	N	1.0E+05	max	3.7E+02	N	3.7E+03	N	1.4E+01	
2,4,6-Trichlorophenol	88-06-2		4.4E+01	C	5.8E+01	C	7.4E+02	C	2.0E+02	C	3.3E+02	C	6.2E-01	C	6.1E+00	C	8.0E-03	
2,4,5-Trichlorophenoxyacetic Acid	93-76-5		6.1E+02	N	7.8E+02	N	2.9E+04	N	7.7E+03	N	1.3E+04	N	3.7E+01	N	3.7E+02	N		
2-(2,4,5-Trichlorophenoxy) propionic acid	93-72-1		4.9E+02	N	6.3E+02	N	2.3E+04	N	6.2E+03	N	1.0E+04	N	2.9E+01	N	2.9E+02	N		
1,1,2-Trichloropropane	598-77-6		1.5E+01	N	1.5E+01	N	5.1E+01	N	6.4E+01	N	6.4E+01	N	1.8E+01	N	3.0E+01	N		
1,2,3-Trichloropropane	96-18-4		1.4E-03	C	1.4E-03	C	3.1E-03	C	3.9E-03	C	3.9E-03	C	9.6E-04	C	1.6E-03	C		
1,2,3-Trichloropropene	96-19-5		1.2E+01	N	1.2E+01	N	3.9E+01	N	4.8E+01	N	4.8E+01	N	1.8E+01	N	3.0E+01	N		
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		5.6E+03	sat	5.6E+03	sat	5.6E+03	sat	5.6E+03	sat	5.6E+03	sat	3.1E+04	N	5.9E+04	N		
Triethylamine	121-44-8		2.3E+01	N	2.3E+01	N	8.9E+01	N	1.1E+02	N	1.1E+02	N	7.3E+00	N	1.2E+01	N		
1,2,4-Trimethylbenzene	95-63-6		5.2E+01	N	5.2E+01	N	1.7E+02	N	2.1E+02	N	2.1E+02	N	6.2E+00	N	1.2E+01	N		
1,3,5-Trimethylbenzene	108-67-8		2.1E+01	N	2.1E+01	N	7.0E+01	N	8.7E+01	N	8.7E+01	N	6.2E+00	N	1.2E+01	N		
Trimethyl phosphate	512-56-1		1.3E+01	C	1.7E+01	C	2.2E+02	C	5.8E+01	C	9.7E+01	C	1.8E-01	C	1.8E+00	C		
1,3,5-Trinitrobenzene	99-35-4		1.8E+03	N	2.3E+03	N	8.8E+04	N	2.3E+04	N	3.8E+04	N	1.1E+02	N	1.1E+03	N		
Trinitrophenylmethylnitramine	479-45-8		6.1E+02	N	7.8E+02	N	2.9E+04	N	7.7E+03	N	1.3E+04	N	3.7E+01	N	3.7E+02	N		
2,4,6-Trinitrotoluene	118-96-7		1.6E+01	C	2.1E+01	C	2.7E+02	C	7.2E+01	C	1.2E+02	C	2.2E-01	C	2.2E+00	C		
Vanadium	7440-62-2		5.5E+02	N	5.5E+02	N	2.0E+04	N	8.9E+03	N	8.9E+03	N			2.6E+02	N	3.0E+02	
Vanadium pentoxide	1314-62-1		7.0E+02	N	7.0E+02	N	2.6E+04	N	1.1E+04	N	1.1E+04	N			3.3E+02	N	3.0E+02	
Vanadium sulfate	13701-70-7		1.6E+03	N	1.6E+03	N	5.8E+04	N	2.6E+04	N	2.6E+04	N			7.3E+02	N	3.0E+02	

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Contaminant	CAS No.	MCL or Action Level	Risk-Based Screening Levels										Soil Screening Level- Transfers from Soil to: Ground water (DAF=1)
			Soil (ingestion, inhalation, with and without dermal exposure routes)								Ambient Air (Residential Scenario)		Tap Water (Residential Scenario: Ingestion & Inhalation)		
			Residential	Residential w/o dermal	Industrial Indoor Worker w/o dermal	Industrial Outdoor Worker	Industrial Outdoor Worker w/o dermal								
		ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				ug/m3		ug/l		mg/kg
Vinclozolin	50471-44-8		**1.5E+03**	N	**2.0E+03**	N	**7.3E+04**	N	**1.9E+04**	N	**3.2E+04**	N	**9.1E+01**	N	**9.1E+02**	N	
Vinyl acetate	108-05-4		**4.3E+02**	N	**4.3E+02**	N	**1.4E+03**	N	**1.7E+03**	N	**1.7E+03**	N	**2.1E+02**	N	**4.1E+02**	N	**8.0E+00**
Vinyl bromide	593-60-2		**1.9E-01**	C	**1.9E-01**	C	**4.2E-01**	C	**5.2E-01**	C	**5.2E-01**	C	**6.1E-02**	C	**1.0E-01**	C	
Vinyl chloride	75-01-4	2.0E+00	**1.5E-01**	C	**1.5E-01**	C	**4.5E-01**	C	**4.9E-01**	C	**4.9E-01**	C	**2.2E-01**	C	**4.3E-02**	C	**7.0E-04**
Warfarin	81-81-2		**1.8E+01**	N	**2.3E+01**	N	**8.8E+02**	N	**2.3E+02**	N	**3.8E+02**	N	**1.1E+00**	N	**1.1E+01**	N	
m-Xylene	108-38-3		**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**7.3E+02**	N	**1.4E+03**	N	**1.0E+01**
o-Xylene	95-47-6		**2.8E+02**	sat	**2.8E+02**	sat	**2.8E+02**	sat	**2.8E+02**	sat	**2.8E+02**	sat	**7.3E+02**	N	**1.4E+03**	N	**9.0E+00**
p-Xylene	106-42-3		**3.7E+02**	sat	**3.7E+02**	sat	**3.7E+02**	sat	**3.7E+02**	sat	**3.7E+02**	sat					**1.0E+01**
Xylenes	1330-20-7		**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**2.1E+02**	sat	**7.3E+02**	N	**1.4E+03**	N	**1.0E+01**
Zinc	7440-66-6		**2.3E+04**	N	**2.3E+04**	N	**1.0E+05**	max	**1.0E+05**	max	**1.0E+05**	max			**1.1E+04**	N	**6.2E+02**
Zinc phosphide	1314-84-7		**2.3E+01**	N	**2.3E+01**	N	**8.8E+02**	N	**3.8E+02**	N	**3.8E+02**	N			**1.1E+01**	N	
Zineb	12122-67-7		**3.1E+03**	N	**3.9E+03**	N	**1.0E+05**	max	**3.8E+04**	N	**6.4E+04**	N	**1.8E+02**	N	**1.8E+03**	N	