

**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) <sup>1</sup>	RfCi (mg/m <sup>3</sup> )	IUR (µg/m <sup>3</sup> ) <sup>1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )				
ACENAPHTHENE	83-32-9	0.06	I			4900		3.8	1,5,6				279	1.24				
ACENAPHTHYLENE	208-96-8	0.06	S			4500		16.1	5,6,7				280	2.11				
ACEPHATE	30560-19-1	0.004	I	0.0087	I			3	818000	6			340					
ACETALDEHYDE	75-07-0				0.009	I	0.0000022	I	4.1	X	1000000	1	13100	15100	X	20		
ACETONE	67-64-1	0.9	I		31	D		0.31	X	1000000	1	13100	15000	X	56	18.07		
ACETONITRILE	75-05-8				0.06	I		0.5	X	1000000	1	13100	15000	X	82	4.50		
ACETOPHENONE	98-86-2	0.1	I					170		5500	1			X	203			
ACETYLAMINO-FLUORENE, 2- (2AAF)	53-96-3				3.8	C		0.0013	C	1600					303	0.69		
ACROLEIN	107-02-8	0.0005	I		0.00002	I		0.56	X	208000	1,2,4	13100	15100	X	53	4.50		
ACRYLAMIDE	79-06-1	[0.0002] 0.002	I	[4.5] 0.5	I	0.006	I	[0.0013] 0.0001	I	25	X	2151000	4	13000	15000		193	
ACRYLIC ACID	79-10-7	0.5	I		0.001	I		29	X	1000000	2	13000	14900	X	141	1.39		
ACRYLONITRILE	107-13-1	0.04	D	0.54	I	0.002	I	0.000068	I	11	X	73500	1	13100	15100	X	77	5.50
ALACHLOR	15972-60-8	0.01	I	0.056	C			110		140	2				378			
ALDICARB	116-06-3	0.001	I					22		6000	2				287	0.40		
ALDICARB SULFONE	1646-88-4	0.001	I					10		8000	5				317			
ALDICARB SULFOXIDE	1646-87-3	0.001	[ I ] M					0.22		330000	5				307			
ALDRIN	309-00-2	0.00003	I	17	I			0.0049	I	48000					330	0.22		
ALLYL ALCOHOL	107-18-6	0.005	I		[0.0003] 0.0001	[ P ] X		3.2	X	1000000	2	13100	15000	X	97	18.07		
AMETRYN	834-12-8	0.009	I					389		185	5				345			
AMINOBIHENYL, 4-	92-67-1			21	C			0.006	C	110					302	18.07		
AMITROLE	61-82-5			0.94	C			0.00027	C	120					258	0.69		
AMMONIA	7664-41-7	0.97	H		0.1	I		3	X	310000	2,5,7	13100	15000	X	-33			
AMMONIUM SULFAMATE	7773-06-0	0.2	I					3		2160000	10				603			
ANILINE	62-53-3	0.007	P	0.0057	I	0.001	I	0.0000016	C	190	X		13000	14900	X	184		

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ANTHRACENE	120-12-7	0.3	I							21000		0.066	1,5,6,7,8,9				340	0.28
ATRAZINE	1912-24-9	0.035	I	0.23	C					130		70	2,4,5				313	
AZINPHOS-METHYL (GUTHION)	86-50-0	0.003	D			0.01	D			407.4		31.5	1, 2				421	
BAYGON (PROPOXUR)	114-26-1	0.004	I							31		2000	2,4,5				decomp.	4.50
BENOMYL	17804-35-2	0.05	I							1,900		2	5				520	
BENTAZON	25057-89-0	0.03	I							13		500	2				415	
BENZENE	71-43-2	0.004	I	0.055	I	0.03	I	0.0000078	I	58	X	1780.5	1,2,3,4	13100	15000	X	81	0.35
BENZIDINE	92-87-5	0.003	I	230	I			0.067	I	530,000		520	1,2,4				400	15.81
BENZO[A]ANTHRACENE	56-55-3			<u>[0.73]</u> <u>0.7</u>	[ N ] ] X			0.00011	C	350000		0.011	1,5,6				438	0.19
BENZO[A]PYRENE	50-32-8			7.3	I			0.0011	C	910000		0.0038	1,5,6				495	0.24
BENZO[B]FLUORANTHENE	205-99-2			<u>[0.73]</u> <u>1.2</u>	[ N ] ] C			0.00011	C	550000		0.0012	5,6,7				357	0.21
BENZO[GHI]PERYLENE	191-24-2	0.06	S							2800000		0.00026	1,5,6				500	0.19
BENZO[K]FLUORANTHENE	207-08-9			<u>[0.073]</u> <u>1.2</u>	[ N ] ] C			0.00011	C	4400000		0.00055	5,6,7				480	0.06
BENZOIC ACID	65-85-0	4	I							32		2700	2,3,4,5				249	
BENZOTRICHLORIDE	98-07-7			13	I					920		53	1,5,13			X	221	121413.60
BENZYL ALCOHOL	100-51-6	<u>[0.5]</u> <u>0.1</u>	P							100		40000	1,2,3			X	205	
BENZYL CHLORIDE	100-44-7	0.002	P	0.17	I	0.001	P	0.000049	C	190	X	493	1	13000	15000	X	179	20.90
BETA PROPIOLACTONE	57-57-8			14	C			0.004	C	4	X	370000	2	13100	15000	X	162	0.01
BHC, ALPHA	319-84-6	0.008	D	6.3	I			0.0018	I	1800		1.7	4,5,6,7				288	0.94

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 Toxicity Value Appendix**

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BHC, BETA-	319-85-7		1.8	I	0.00053	I	2300	0.1	6				304	1.02			
BHC, GAMMA (LINDANE)	58-89-9	0.0003	1.1	C	0.00031	C	1400	7.3	4,5,6				323	1.05			
BIPHENYL, 1,1-	92-52-4	0.05	<b>0.008</b>	<b>X</b>	<b>0.0004</b>	<b>X</b>	1,700	7.2	1				255	18.07			
BIS(2-CHLORO ETHOXY)METHANE	111-91-1	0.003	P				61	100500	4,6,7,9,10,11			X	218				
BIS(2- CHLOROETHYL)ETHER	111-44-4		1.1	I	0.00033	I	76	X	10200	1,4,5	13000	14900	X	179	0.69		
BIS(2-CHLORO- ISOPROPYL)ETHER	108-60-1	0.04	I	0.07	H		62	X	1700	5	13000	14900	X	189	0.69		
BIS(CHLOROMETHYL)ETHE R	542-88-1		220	I	0.062	I	16	X	22000	6	13100	15100	X	105	57270.57		
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.02	I	0.014	I		87000	0.285	4,5,6			X	384	0.65			
BISPHENOL A	80-05-7	0.05	I				1,500	120	4				220	0.69			
BROMACIL	314-40-9	0.1	M				58	815	2				421				
BROMOCHLOROMETHANE	74-97-5	0.01	M		<b>0.04</b>	<b>X</b>	27	X	16700	4	13100	15000	X	68			
BROMODICHLOROMETHAN E	75-27-4	0.02	I	0.062	I		93	X	4500	6	13100	15000	X	87			
BROMOMETHANE	74-83-9	0.0014	I		0.005	I	170	X	17500	2	13100	15000	X	4	6.66		
BROMOXYNIL	1689-84-5	0.02	I				300	130	2				329				
BROMOXYNIL OCTANOATE	1689-99-2	0.02	I				18,000	0.08	12				414	5.75			
BUTADIENE, 1,3-	106-99-0		3.4	C	0.002	I	0.00003	I	120	X	735	1	13200	15000	X	-4.5	4.50
BUTYL ALCOHOL, N- BUTYLATE	71-36-3	0.1	I				3.2	X	74000	1	13000	14900	X	118	4.68		
	2008-41-5	0.05	I				540	X	45	2	13200	15200	X	138			
BUTYLBENZENE, N-	104-51-8	<b>[0.04]</b> <b>0.05</b>	[ N ] P				2,500	X	15	1,6,7	13100	15100	X	183			
BUTYLBENZENE, SEC-	135-98-8	<b>[0.04]</b> <b>0.1</b>	[ N ] X				890	X	17	1,6,7	13100	15000	X	174			

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BUTYLBENZENE, TERT-	98-06-6	<b>0.04</b> <b>0.1</b>	[ N ] X			680	X	30	1,6,7	13100	15000	X	169					
BUTYLBENZYL PHTHALATE	85-68-7	0.2	I	0.0019	P			34000	2.69	4,5,6		X	370	1.39				
CAPTAN	133-06-2	0.13	I	0.0023	C	0.00000066	C	200	0.5	4			259	589.39				
CARBARYL	63-25-2	0.1	I			190		120	2,4,5				315	4.22				
CARBAZOLE	86-74-8			0.02	H	2,500		1.2	1,5,6				355					
CARBOFURAN	1563-66-2	0.005	I			43		700	2				311					
CARBON DISULFIDE	75-15-0	0.1	I		0.7	I		300	X	2100	1,2,3	X	46					
CARBON TETRACHLORIDE	56-23-5	<b>[0.0007]</b> <b>0.004</b>	I	<b>[0.13]</b> <b>0.07</b>	I	<b>[0.19]</b> <b>0.1</b>	[ D ] I	<b>[0.000015]</b> <b>0.000006</b>	I	160	X	795	1,2,3	13100	15000	X	77	0.07
CARBOXIN	5234-68-4	0.1	I			260		170	5,6,8				407					
CHLORAMBEN	133-90-4	0.015	I			20		700	2				210					
CHLORDANE	57-74-9	0.0005	I	0.35	I	0.0007	I	0.0001	I	98000	0.056	4,5,7	351	0.09				
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3				50	I		22	X	1400	4	13100	15000	X	-9			
CHLORO-1-PROPENE, 3-(ALLYL CHLORIDE)	107-05-1			0.021	C	0.001	I	0.000006	C	48	X	3300	1,3,5,7,10	13100	15000	X	45	18.07
<b>CHLOROACETALDEHYDE</b>	<b>107-20-0</b>			<b>0.3</b>	<b>X</b>			<b>3.2</b>	<b>X</b>	<b>1000000</b>	<b>9</b>	<b>13000</b>	<b>14900</b>	<b>X</b>	<b>85</b>			
CHLOROACETOPHENONE, 2-	532-27-4				0.00003	I		76		1100	3		247	4.50				
CHLOROANILINE, P-	106-47-8	0.004	I	0.2	P			460		3900	1		232					
CHLOROBENZENE	108-90-7	0.02	I		0.05	P		200	X	490	3	13100	15000	X	132	0.84		
CHLOROBENZILATE	510-15-6	0.02	I	0.11	C			0.000031	C	2600	13		415	3.60				
CHLOROBUTANE, 1-	109-69-3	<b>[0.4]</b> <b>0.04</b>	P					580	X	680	1,2,3,4	13200	15000	X	79			
CHLORODIBROMOMETHANE	124-48-1	0.02	I	0.084	I			0.000027	C	83	X	4200	4,6,7,9	13100	15100	X	116	1.39
CHLORODIFLUOROMETHANE	75-45-6				50	I		59	X	2899	4	13200	15000	X	-41			

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CHLOROETHANE	75-00-3	0.4	N	0.0029	N	10	I		42	X	5700	1	13100	15000	X	12	4.50
CHLOROFORM	67-66-3	0.01	I	<b>0.019</b>	<b>C</b>	0.098	D	0.000023	I	56	8000	1,2,3	13100	15000	X	61	0.01
CHLORONAPHTHALENE, 2-	91-58-7	0.08	I						8500		11.7	1				256	
CHLORONITROBENZENE, P-	100-00-5	0.001	P	0.0063	P	0.0006	P		480		220	1				242	
CHLOROPHENOL, 2-	95-57-8	0.005	I						400	X	24000	1,3,4	12900	14900	X	175	
CHLOROPRENE	126-99-8	0.02	H			<b>[0.007]</b> <b>0.02</b>	[ H ] [ I ] [ I ]	<b>0.0003</b>	I	50	1736	9	13100	15000	X	59	0.69
CHLOROPROPANE, 2-	75-29-6					0.1	H		260	X	3100	1,3,5	13200	15000	X	47	
CHLOROTHALONIL	1897-45-6	0.015	I	0.0031	C			0.00000089	C	980	0.6	2				350	
CHLOROTOLUENE, O-	95-49-8	0.02	I						760	X	422	<b>[14, 15]</b> <b>1,4,5</b>	13100	15000	X	159	
CHLOROTOLUENE, P-	106-43-4	<b>[0.07]</b> <b>0.02</b>	[ P ] [ X ]						375	X	106	12	13000	14900	X	162	
CHLORPYRIFOS	2921-88-2	<b>[0.003]</b> <b>0.001</b>	[ I ] [ I ] [ D ]						4600		1.12	2,4,6,7				377	
CHLORSULFURON	64902-72-3	0.05	I						11		192	2,5,6,8,9				531	
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	0.01	I						6,500		0.5	2,5,7				360	1.37
CHRYSENE	218-01-9			<b>[0.0073]</b> <b>0.12</b>	[ N ] [ C ]			0.000011	C	490000	0.0019	1				448	0.13
CRESOL(S)	1319-77-3	<b>[0.005]</b> <b>0.1</b>	[ S ] [ D ]			0.06	C		25	X	20000	2	13000	14900	X	139	5.16

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CRESOL, DINITRO-O-, 4,6-	534-52-1	0.0001	P						257		150	4				312	6.02
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	0.05	I						22	X	2500	3,5,6	13000	14900		191	18.07
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	0.05	I						35		2500	2			X	202	5.16
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	0.005	H						49		22000	6				202	9.03
CRESOL, P-CHLORO-M-	59-50-7	<b>[0.005] 0.1</b>	<b>[ S ] X</b>						780		3846	2				235	
CROTONALDEHYDE	4170-30-3			1.9	S				5.6	X	180000	3	13000	14900	X	104	18.07
CROTONALDEHYDE, TRANS-	123-73-9	<b>0.001</b>	<b>P</b>	1.9	H				6.1	X	156000	1	13100	15100	X	104	18.07
CUMENE (ISOPROPYL BENZENE)	98-82-8	0.1	I			0.4	I		2800	X	50	1,5,6	13100	15100	X	152	15.81
CYANAZINE	21725-46- 2	0.002	M	0.84	H				199		171	2,5				369	
CYCLOHEXANE	110-82-7					6	I		479	X	55	1,2,4,5,6	13100	15100	X	81	
CYCLOHEXANONE	108-94-1	5	I			<b>0.7</b>	<b>P</b>		66	X	36500	1,2,4,5	13000	14900	X	157	
CYFLUTHRIN	68359-37- 5	0.025	I						130,000		0.001	2				448	
CYROMAZINE	66215-27- 8	0.0075	I						1,200		11000	12				222	
DDD, 4,4'-	72-54-8	<b>[0.002]</b>	<b>[ P ]</b>	0.24	I			0.000069	C		0.16	5,6,7				350	0.02
DDE, 4,4'-	72-55-9			0.34	I			0.000097	C		0.04	5				348	0.02
DDT, 4,4'-	50-29-3	0.0005	I	0.34	I			0.000097	I		240000	5,6,7				260	0.02
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	0.6	I	0.0012	I				47,000,0 00		200	5			X	214	4.50
DIALLATE	2303-16-4			0.061	H				190		40	2,4,6,8			X	328	1.39
DIAMINOTOLUENE, 2,4-	95-80-7			<b>[3-8] 4</b>	C			0.0011	C		36	4				292	0.69

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S = surrogate

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Assessment Summary Table  
(HEAST)

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Toxicity Value Appendix**

**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>1</sup>		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )
DIAZINON	333-41-5	0.0007	D							500		50	2,4,6,8			X	306	
DIBENZO[A,H]ANTHRACEN E	53-70-3			[7-3] 4.1	[ N ] C			0.0012	C	1800000		0.0006	1,5,6				524	0.13
DIBENZOFURAN	132-64-9	0.001	[ P ] X							10233		4.48	1,6,7,9				287	7.23
DIBROMO-3- CHLOROPROPANE, 1,2-	96-12-8	0.0002	P	0.8	P	0.0002	I	0.006	P	140	X	1000	4	13000	15000	X	196	0.69
DIBROMOBENZENE, 1,4-	106-37-6	0.01	I							1,600		20	1				220	
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.009	I	2	I	0.009	I	0.0006	I	54	X	4150	1,2,3,5	13100	15100	X	131	2.11
DIBROMOMETHANE	74-95-3	0.01	H			<b>0.004</b>	<b>X</b>			110	X	11400	1	13100	15100	X	96	4.50
DIBUTYL PHTHALATE, N-	84-74-2	0.1	I							1600		400	1,2,3			X	340	11.00
DICAMBA	1918-00-9	0.03	I							0.27		5600	4,5,6,8,10				329	
DICHLOROACETIC ACID	76-43-6	0.004	I	<b>0.05</b>	<b>I</b>					8.1	X	1000000	1	12900	14900	X	194	
DICHLORO-2-BUTENE, 1,4-	764-41-0							0.0042	P	180	X	850	9	13100	15000	X	156	
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6							0.0042	S	215	X	850	9	12900	14800	X	155	
DICHLOROBENZENE, 1,2-	95-50-1	0.09	I			0.2	H			350	X	147	1,4,5,6,7	13100	15100	X	180	0.69
DICHLOROBENZENE, 1,3-	541-73-1	[ <b>0.003</b> ] <b>0.09</b>	[ N ] M							360	X	106	1	13100	15100	X	173	0.69
DICHLOROBENZENE, P-	106-46-7	0.07	D	0.0054	C	0.8	I	0.000011	C	510	X	82.9	1	12900	14900		174	0.69
DICHLOROBENZIDINE, 3,3'-	91-94-1			0.45	I			0.00034	C	22000		3.11	4,5,6				368	0.69
DICHLORODIFLUOROMETH ANE (FREON 12)	75-71-8	0.2	I			<b>[0.2] 0.1</b>	[ H ] X			360	X	280	1	13200	15000	X	-30	0.69
DICHLOROETHANE, 1,1-	75-34-3	0.2	P	0.0057	C	0.5	H	0.0000016	C	52	X	5000	2	13100	15000	X	57	0.16

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**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>-1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>-1</sup>		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )
DICHLOROETHANE, 1,2-	107-06-2	[0.02] 0.006	[ P ] X	0.091	I	[2.4] 0.007	[ D ] P	0.000026	I	38	X	8412	1,2,3,4	13100	15000	X	83	0.07
DICHLOROETHYLENE, 1,1-	75-35-4	0.05	I			0.2	I			65	X	2500	1,4,5	13100	15000	X	32	0.19
DICHLOROETHYLENE, CIS-1,2-	156-59-2	[0.01] 0.002	[ P ] I							49	X	3500	1	13100	15000	X	60	0.01
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	0.02	I			0.06	P			47	X	6300	1	13100	15000	X	48	0.01
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	[0.06] 0.006	I	[0.0075] 0.002	I	[1] 0.6	[ D ] I	[0.00000047] 0.00000001	I	16	X	20000	1,2,3	13100	15000	X	40	4.50
DICHLOROPHENOL, 2,4-	120-83-2	0.003	I							160		4500	1				210	5.88
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	0.01	I							59		677	4,5,6,7,10				215	1.39
DICHLOROPROPANE, 1,2-	78-87-5	0.09	D	0.036	C	0.004	I	0.00001	C	47	X	2700	1,3,4	13100	15000	X	96	0.10
DICHLOROPROPENE, 1,3-	542-75-6	0.03	I	0.1	I	0.02	I	0.000004	I	27	X	2700	6	13100	15000	X	108	22.38
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	0.03	I							62	X	500000	5	13000	14900	X	190	2.11
DICHLORVOS	62-73-7	0.0005	I	0.29	I	0.0005	I	0.000083	C	50		10000	2,4,5			X	234	
DICYCLOPENTADIENE	77-73-6	0.008	P			[0.007] 0.0003	[ P ] X			810	X	40	5	13000	14900		167	
DIELDRIN	60-57-1	0.00005	I	16	I			0.0046	I	11000		0.17	4,5,6				385	0.12
DIETHANOLAMINE	111-42-2	0.002	P			[0.003] 0.0002	[ C ] P			4		1000000	2,3,9			X	269	
DIETHYL PHTHALATE	84-66-2	0.8	I							81		1080	4,5,6			X	298	2.25

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Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )	
DIFLUBENZURON	35367-38-5	0.02	I						1,000		0.2	2				201		
DIISOPROPYL METHYLPHOSPHONATE DIMETHOATE	1445-75-6	0.08	I						10	X	160000	9	13000	14900	X	190		
DIMETHOXYBENZIDINE, 3,3-	60-51-5	0.0002	I						110		25000	4				361	2.26	
	119-90-4			<b>[0.014]</b> <b>1.6</b>	<b>[ H ]</b> <b>P</b>				1,300		60	9				331	0.69	
DIMETHRIN	70-38-2	0.3	M						27,000		0.036	13				353		
DIMETHYLAMINOAZOBENZENE, P-	60-11-7			4.6	C			0.0013	C	1000	13.6	7				335	4.50	
DIMETHYLANILINE, N,N-	121-69-7	0.002	I						180	X	1200	5,6,7,9	13000	14900	X	192	0.69	
DIMETHYLBENZIDINE, 3,3-	119-93-7			11	<b>[ H ]</b> <b>P</b>				22,000		1300	10				300	18.07	
DIMETHYL METHYLPHOSPHONATE	756-79-6	0.06	P	0.0017	P				5	X	1000000	14	13000	14900	X	181		
DIMETHYLPHENOL, 2,4-	105-67-9	0.02	I						130		7869	1,4,6,7			X	211	18.07	
DINITROBENZENE, 1,3-	99-65-0	0.0001	I						150		523	3,5,6,7				291	0.69	
DINITROPHENOL, 2,4-	51-28-5	0.002	I						0.79		5600	2,4,5,6,7				332	0.48	
DINITROTOLUENE, 2,4-	121-14-2	0.002	I	0.31	C			0.000089	C		270	4,5,6				300	0.69	
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	<b>[0.001]</b> <b>0.0003</b>	<b>[ P ]</b> <b>X</b>	<b>1.5</b>	<b>P</b>				74		200	6				300	0.69	
DINOSEB	88-85-7	0.001	I						120		50	5				223	1.03	
DIOXANE, 1,4-	123-91-1	<b>[0.1]</b> <b>0.03</b>	<b>[ D ]</b> <b>I</b>	<b>[0.011]</b> <b>0.1</b>	I	<b>[3.6]</b> <b>0.11</b>	D	0.0000077	C	7.8	X	1000000	5	13000	14900	X	101	0.69
DIPHENAMID	957-51-7	0.03	I						200		260	5				210		

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DIPHENYLAMINE	122-39-4	0.025	I			190		300	3				302	4.50				
DIPHENYLHYDRAZINE, 1,2-DIQUAT	122-66-7			0.8	I			0.00022	I	660	0.252	6	309	0.69				
DISULFOTON	85-00-7	0.0022	I			2.6		700000		5			355					
DITHIANE, 1,4-DIURON	298-04-4	0.00004	I			1000		25	4,5,6			X	332	6.02				
ENDOSULFAN	505-29-3	0.01	I			22.7	[x] X	3000	15	13000	14900		199					
ENDOSULFAN I (ALPHA)	330-54-1	0.002	I			300		42	2,4,5				354					
ENDOSULFAN II (BETA)	115-29-7	0.006	I			2,000		0.48	4				401	2.78				
ENDOSULFAN SULFATE	959-98-8	0.006	S			2000		0.5	6				401					
ENDOTHALL	33213-65-9	0.006	S			2300		0.45	6				390					
ENDRIN	1031-07-8	0.006	S			2300		0.117	7,9				409					
EPICHLOROHYDRIN	145-73-3	0.02	I			120		100000	2				350					
ETHEPHON	72-20-8	0.0003	I			11000		0.23	4,6,7,9				245					
ETHION	106-89-8	0.006	P	0.0099	I	0.001	I	0.0000012	I	35	X	65800	1,3,4	13000	14900	X	116	4.50
ETHOXYETHANOL, 2-(EGEE)	16672-87-0	0.005	I			2		1240000	12				201					
ETHYL ACETATE	563-12-2	0.0005	I			8700		0.85	4,6,9,10			X	415					
ETHYL ACRYLATE	110-80-5	[0.4] 0.09	[ H ] P		0.2	I		12	X	1000000	2	13200	15000	X	136	4.50		
ETHYL BENZENE	141-78-6	0.9	I		0.07	P		59	X	80800	1,2,3,4,5,6	13100	15000	X	77	18.07		
ETHYL METHACRYLATE	140-88-5	0.005	P	0.048	H	0.008	P	110	X	15000	1,2,6	13100	15100	X	100	18.07		
ETHYLENE CHLORHYDRIN	100-41-4	0.1	I	0.011	C	1	I	0.0000025	C	220	X	161	1,3,4	13100	15000	X	136	1.11
ETHYLENE GLYCOL	759-94-4	0.025	I			240	X	365	2	12900	14900	X	127					
ETHYL ETHER	60-29-7	0.2	I			68	X	60400	1	13100	15100	X	35					
ETHYL METHACRYLATE	97-63-2	0.09	H		0.3	P		22	X	4635.5	9,10	13100	15000	X	117			
ETHYLENE CHLORHYDRIN	107-07-3	0.02	P			1	X	1000000	9	13000	14900	X	128					
ETHYLENE GLYCOL	107-21-1	2	I		0.4	C		4.4	X	1000000	2	13100	15100	X	198	10.54		

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ETHYLENE THIOUREA (ETU)	96-45-7	0.00008	I	0.045	C			0.000013	C	0.23		20000	2				347	4.50
ETHYL P-NITROPHENYL PHENYLPHOSPHORO THIOATE	2104-64-5	0.00001	I							1,200		3.1	4				215	
FENAMIPHOS	22224-92-6	0.00025	I							300		329	2				390	
FENVALERATE (PYDRIN)	51630-58-1	0.025	I							4,400		0.085	5			X	300	
FLUOMETURON	2164-17-2	0.013	I							68		97.5	2,5,6,8				318	
FLUORANTHENE	206-44-0	0.04	I							49000		0.26	1,5,6				375	0.29
FLUORENE	86-73-7	0.04	I							7900		1.9	1				298	2.11
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	0.3	I			0.7	H			130	X	1090	1,4,5,6	13100	15000	X	24	0.35
FONOFOS	944-22-9	0.002	I							1100		13	5,6,8			X	324	
FORMALDEHYDE	50-00-0	0.2	I			0.0098	D	0.000013	I	3.6	X	55000	1	13100	15100	X	-21	18.07
FORMIC ACID	64-18-6	[2] 0.9	[ H ] P			[0.003] 0.0003	[ P ] X			0.54	X	1000000	2	13000	14900	X	101	18.07
FOSETYL-AL	39148-24-8	3	I							310		120000	2				464	
FURAN	110-00-9	0.001	I							130	X	10000	1	13100	15000	X	31	2.25
FURFURAL	98-01-1	0.003	I			0.05	H			6.3	X	91000	1,2,3	13000	14900	X	162	
GLYPHOSATE	1071-83-6	0.1	I							3500		12000	1,5,6				417	
HEPTACHLOR	76-44-8	0.0005	I	4.5	I			0.0013	I	6800		0.18	4,6,7				310	46.84
HEPTACHLOR EPOXIDE	1024-57-3	0.000013	I	9.1	I			0.0026	I	21000		0.311	4,6,7,9				341	0.23
HEXACHLOROBENZENE	118-74-1	0.0008	I	1.6	I			0.00046	I	3800		0.006	1,4,5				319	0.06
HEXACHLOROBUTADIENE	87-68-3	0.001	P	0.078	I			0.000022	I	4700		2.89	4,5,6,7			X	215	0.69
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.006	I			0.0002	I			7200		1.8	5,6,7			X	239	4.50

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HEXACHLOROETHANE	67-72-1	[0.001] 0.0007	I	[0.014] 0.04	I	0.03	I	[0.000004] 0.00001	[ I ] C	2200	X	50	1	13000	15000		187	0.69
HEXANE	110-54-3	0.06	H			0.7	I			3600	X	9.5	1,5,6	13100	15000	X	69	
HEXAZINONE	51235-04-2	0.033	I							41		330000	1,2				408	
HEXYTHIAZOX (SAVEY)	78587-05-0	0.025	I							6,500		0.5	2				539	
HMX	2691-41-0	0.05	I							4		5	16				436	
HYDRAZINE/HYDRAZINE SULFATE	302-01-2			3	I	[0.0002] 0.00003	[ C ] P	0.0049	I	0.0053	X	1000000	2	13000	15000	X	114	18.07
HYDROQUINONE	123-31-9	0.04	P	[0.066] 0.06	P					10		70000	2,3,5				285	18.07
INDENO[1,2,3-CD]PYRENE	193-39-5			[0.73] 1.2	[ N ] C			0.00011	C	31000000		0.062	5				536	0.17
IPRODIONE	36734-19-7	0.04	I							1,100		13	2				545	
ISOBUTYL ALCOHOL	78-83-1	0.3	I							60	X	81000	1,2,3,4,5	13000	14900	X	108	17.57
ISOPHORONE	78-59-1	0.2	I	0.00095	I	2	C			31		12000	2,4,5			X	215	4.5
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	0.1	I							[1.64] 1.84		50000	13			X	230	
KEPONE	143-50-0	[0.0005] 0.0003	[ D ] I	[16] 10	[ C ] I			0.0046	C	55000		7.6	4				350	0.17
MALATHION	121-75-5	0.02	I							1300		143	4			X	351	2.46
MALEIC HYDRAZIDE	123-33-1	0.5	I							2.8		6000	4				260	

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Toxicity Value Appendix**

**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>1</sup>		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )
MANEB	12427-38-2	0.005	I							1		23	9,13				351	
MERPHOS OXIDE	78-48-8	0.00003	I							53,000		2.3	8,10,12			X	392	
METHACRYLONITRILE	126-98-7	0.0001	I			<b>[0.0007] 0.03</b>	<b>[ H ] P</b>			21	X	25700	1	13100	15100	X	90	
METHAMIDOPHOS	10265-92-6	0.00005	I							5		2000000	5				223	
METHANOL	67-56-1	0.5	I			4	C			2.8	X	1000000	2	13100	15100	X	65	36.14
METHOMYL	16752-77-5	0.025	I							20		58000	2				228	
METHOXYCHLOR	72-43-5	0.005	I							63000		0.045	4,5,6				346	0.69
METHOXYETHANOL, 2-	109-86-4	<b>[0.003] 0.005</b>	P			0.02	I			<u>1</u>	X	1000000	2	13100	15000	X	124	4.50
METHYL ACETATE	79-20-9	1	H							30	X	243500	4,5,6	13100	15100	X	57	
METHYL ACRYLATE	96-33-3	0.03	H			<b>0.02</b>	<b>P</b>			55	X	52000	1,2,5	13100	15100	X	70	18.07
METHYL CHLORIDE	74-87-3	<b>[0.004]</b>	<b>[ M ] I</b>	0.013	H	0.09	I	0.0000018	H	6	X	6180	1,2,3,4	13200	15000	X	-24	4.50
METHYL ETHYL KETONE	78-93-3	0.6	I			5	I			32	X	275000	1,2,3,4,5	13100	15100	X	80	2.57
<b>METHYL HYDRAZINE</b>	<b>60-34-4</b>	<b>0.001</b>	<b>P</b>			<b>0.00002</b>	<b>X</b>	<b>0.001</b>	<b>X</b>	<b>1</b>	<b>X</b>	<b>1000000</b>	<b>2</b>	<b>1300</b>	<b>14900</b>	<b>X</b>	<b>88</b>	<b>5.27</b>
METHYL ISOBUTYL KETONE	108-10-1	0.08	H			3	I			17	X	19550	1,2,4,5	13100	15100	X	117	18.07
METHYL ISOCYANATE	624-83-9					0.001	C			10	X	100000	7	13000	15000	X	40	
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	<b>[0.04] 0.005</b>	<b>[ N ] I</b>			<b>[0.005] 0.03</b>	<b>[ N ] I</b>			54	X	17500	1	13100	15100	X	128	
METHYL METHACRYLATE	80-62-6	1.4	I			0.7	I			10	X	15600	1	13100	15100	X	100	4.50
METHYL METHANESULFONATE	66-27-3			0.099	C			0.000028	C	5.2		200000	2			X	203	
METHYL PARATHION	298-00-0	0.00025	I							790		25	4,5,6				348	3.61

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**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>1</sup>		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	0.006	H			0.04	H			2,200	X	89	9	13100	15000	X	163	
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4			0.0018	C	3	I	0.00000026	C	12	X	45000	1,2,4,6	13100	15100	X	55	0.69
METHYLCHLOROPHENOXY ACETIC ACID (MCPA)	94-74-6	0.0005	I							112		1000	5,6,8,9				287	1.39
METHYLENE BIS(2-CHLOROANILINE), 4,4'	101-14-4	0.002	P	0.1	P			0.00043	C	3,000		13.9	10				379	
METHYLNAPHTHALENE, 2-	91-57-6	0.004	I			0.003	S			16000		25	1				241	
METHYLSTYRENE, ALPHA	98-83-9	0.07	H							660	X	560	9	13100	15100	X	165	
METOLACHLOR	51218-45-2	0.15	I							182	X	530	1,5	13000	15000	X	100	
METRIBUZIN	21087-64-9	0.025	I							95		1200	1,5				367	
MONOCHLOROACETIC ACID	79-11-8	<b>[0.01]</b> <b>0.002</b>	[ M ] H							0.24	X	858000	17	13000	14900		189	
NAPHTHALENE	91-20-3	0.02	I	<b>0.12</b>	<b>C</b>	0.003	I	<b>0.000034</b>	<b>C</b>	950		30	3				218	0.98
NAPHTHYLAMINE, 1-	134-32-7			1.8	S			0.00051	S	3200		1690	2				301	0.69
NAPHTHYLAMINE, 2-	91-59-8			1.8	C			0.00051	C	87		6.4	6				306	0.69
NAPROPAMIDE	15299-99-7	0.1	I							880		70	2				399	
<b>[NITROANILINE, M-]</b>	<b>[99-09-2]</b>	<b>[0.0003]</b>	[ P ]	<b>[0.024]</b>	[ P ]	<b>[0.004]</b>	[ P ]			<b>[18]</b>		<b>[100]</b>	<b>[3]</b>				<b>[306]</b>	
NITROANILINE, O-	88-74-4	<b>[0.003]</b> <b>0.01</b>	[ P ] <b>X</b>			<b>[0.0001]</b> <b>0.00005</b>	[ P ] <b>X</b>			27		1200	6				284	
NITROANILINE, P-	100-01-6	0.004	P	0.02	P	0.006	P			15		800	2				332	
NITROBENZENE	98-95-3	0.002	I			0.009	I	0.00004	I	130		2000	2			X	211	0.64

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**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) <sup>-1</sup>	RfCi (mg/m <sup>3</sup> )	IUR (µg/m <sup>3</sup> ) <sup>-1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )				
NITROGUANIDINE	556-88-7	0.1	I			0.13		4400	9				231					
NITROPHENOL, 2-	88-75-5	0.008	S			37		2100	1,2,3,4,5,6				215	9.01				
NITROPHENOL, 4-	100-02-7	0.008	N			230		16000	2				279	25.81				
NITROPROPANE, 2-	79-46-9			0.02	I	0.0027	H	20	16700	1,3,4,5	13000	14900	X	120	0.69			
NITROSODIETHYLAMINE, N-	55-18-5			150	I	0.043	I	26	93000	10	13000	14900	X	176	0.69			
NITROSODIMETHYLAMINE, N-	62-75-9	0.000008	P	51	I	<u>0.00004</u>	X	0.014	I	8.5	X	1000000	2	13000	14900	X	154	0.69
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3			5.4	I	<u>[0.016]</u> <u>0.0016</u>	I	450	1200	[0, 13] 9, 10, 11			X	235	0.69			
NITROSODI-N-PROPYLAMINE, N-	621-64-7			7	I	0.002	C	11	9900	6			X	206	0.69			
NITROSODIPHENYLAMINE, N-	86-30-6	<u>[0.02]</u>	[ P ]	0.0049	I	0.0000026	C	580	35	1				269	3.72			
NITROSO-N-ETHYLUREA, N-	759-73-9			27	C	0.0077	C	2	13000	9				223	1734.48			
OCTYL PHTHALATE, DI-N-	117-84-0	<u>[0.04]</u> <u>0.01</u>	P					9800000 00	3	5			X	234	0.69			
OXAMYL (VYDATE)	23135-22-0	0.025	I			7.1		280000	2					334				
PARAQUAT	1910-42-5	0.0045	I			16200		660000	6,8					352				
PARATHION	56-38-2	0.006	H			2300		20	2,4,5,6,7				X	375				
PCB-1016 (AROCLOR)	12674-11-2	0.00007	I	<u>[0.07]</u> 2	[ I ] [ S ]	<u>[0.00002]</u> <u>0.00057</u>	[ I ] [ I ] [ S ]	110000	0.25	5			X	325				
PCB-1221 (AROCLOR)	11104-28-2			2	[ I ] [ S ]	0.00057	[ I ] [ I ] [ S ]	1900	0.59	5			X	275				

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Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) <sup>1</sup>		RfCi (mg/m <sup>3</sup> )		IUR (µg/m <sup>3</sup> ) <sup>-1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )
PCB-1232 (AROCOLOR)	11141-16-5			2	[I] [S]			0.00057	[I] [S]	1500		1.45	7		X	290	
PCB-1242 (AROCOLOR)	53469-21-9			2	[I] [S]			0.00057	[I] [S]	48000		0.1	5		X	325	
PCB-1248 (AROCOLOR)	12672-29-6			2	[I] [S]			0.00057	[I] [S]	190000		0.054	7,9,11		X	340	
PCB-1254 (AROCOLOR)	11097-69-1	0.00002	I	2	[I] [S]			0.00057	[I] [S]	810000		0.057	5		X	365	
PCB-1260 (AROCOLOR)	11096-82-5			2	[I] [S]			0.00057	[I] [S]	1800000		0.08	5			385	
PEBULATE	1114-71-2	0.05	H						630			92	5		X	303	
PENTACHLORO BENZENE	608-93-5	0.0008	I						32000			0.74	1,5,6,7			277	0.37
PENTACHLOROETHANE	76-01-7			0.09	P				1905	X	480	1.3	13100	15100	X	160	
PENTACHLORONITROBENZENE	82-68-8	0.003	I	0.26	H				7900		0.44	4,6,8				328	0.36
PENTACHLOROPHENOL	87-86-5	[0.03] 0.005	I	[0.12] 0.4	I			0.0000046	C	20000		14	1,2,4,5			310	0.17
PHENACETIN	62-44-2			0.0022	C			0.00000063	C	110		763	2,3,9			341	4.50
PHENANTHRENE	85-01-8	0.3	S						38000		1.1	1,4,5				341	0.63
PHENOL	108-95-2	0.3	I			0.2	C		22	X	84300	1,2,3,4	13000	14900		182	36.14

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PHENYL MERCAPTAN	108-98-5	[0.00001] 0.001	[ H ] P				562	X	653	5,9	13000	15000	X	170			
PHENYLENEDIAMINE, M-	108-45-2	0.006	I				12		351000	3				286	4.50		
PHENYLPHENOL, 2-	90-43-7			0.0019	H		5,700		700	5				280	18.07		
PHORATE	298-02-2	0.0002	H				810		50	2			X	319			
PHTHALIC ANHYDRIDE	85-44-9	2	I			0.02	C		79	2				285	13490.40		
PICLORAM	1918-02-1	0.07	I					15	430	2				373			
POLYCHLORINATED BIPHENYLS (AROCLORS) (PCBS)	1336-36-3			2	I				0.00057	I		0.0505	10,13	360			
PROMETON	1610-18-0	0.015	I					346	750	2,5				347			
PRONAMIDE	23950-58- 5	0.075	I					200	15	2				321			
PROPANIL	709-98-8	0.005	I					160	225	2				355			
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	2	P			[7] 0.2	[ C ] P	25	X	1000000	2	13000	14900	X	82		
PROPАЗINE	139-40-2	0.02	I					155	8.6	1,5			X	318			
PROPHAM	122-42-9	0.02	I					51	250	5				257			
PROPYLBENZENE, N-	103-65-1	[0.04] 0.1	[ N ] X			1	X	720	X	52	6	13100	15100	X	159		
PROPYLENE OXIDE	75-56-9			0.24	I	0.03	I	0.0000037	I	25	X	405000	1	13100	15000	X	34
PYRENE	129-00-0	0.03	I					68000	0.132	1				393	0.07		
PYRIDINE	110-86-1	0.001	I					0.0066	X	1000000	2	13100	15000	X	115	18.07	
QUINOLINE	91-22-5			3	I			1,300	60000	1,3,5			X	238	12.65		
QUIZALOFOP (ASSURE)	76578-14- 8	0.009	I					580	0.3	2				220			

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RDX	121-82-4	0.003	I	0.11	I			[0.0000031]	[ I ]	70			59.9	1,9			353		
RESORCINOL	108-46-3	2	T E					2		717000							280		
RONNEL	299-84-3	0.05	H					580		40			2				349		
SIMAZINE	122-34-9	0.005	I	0.12	H			110		5			5				225		
STRYCHNINE	57-24-9	0.0003	I					280		143			5				270	4.50	
STYRENE	100-42-5	0.2	I			1	I	910	X	300			5	13100	15100	X	145	1.20	
TEBUTHIURON	34014-18-1	0.07	I					620		2500			2				394		
TERBACIL	5902-51-2	0.013	I					53		710			2				396		
TERBUFOS	13071-79-9	0.000025	H					510		5			6		X		332		
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	0.0003	I					1,800		0.583			1,5,6,7				245	0.69	
TETRACHLORODIBENZO-P- DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	[0.0000 0001] [0.000000 0007]	D	130000	C	0.00000004	C	38	C	4300000			0.0000193				412	0.21	
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	0.03	I	0.026	I			0.0000074	I	980	X		1100	1	13000	14600	X	131	3.79
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	[0.004] 0.02	I	0.2	I			0.000058	I	79	X		2860	2	13100	15100	X	147	0.56
TETRACHLOROETHYLENE (PCE)	127-18-4	[0.01] 0.006	I	[0.052] 0.0021	[ N ] I	[0.5] 0.04	[ N ] I	[0.0000005 8] 0.00000026	[ N ] I	300	X		162	1,2,3,4,5	13100	15000	X	121	0.03
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	0.03	I							6200			183	6			288	0.69	
TETRAETHYL LEAD	78-00-2	0.0000001	I							4900			0.8	5		X	202	4.50	
TETRAETHYLDITHIOPYRO PHOSPHATE	3689-24-5	0.0005	I							550			25	2		X	349		

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 Toxicity Value Appendix**

**Appendix A**  
**Table 5 – Physical and Toxicological Properties**  
**A. Organic Regulated Substances**

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) <sup>1</sup>	RfCi (mg/m <sup>3</sup> )	IUR (µg/m <sup>3</sup> ) <sup>1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )				
TETRAHYDROFURAN	109-99-9	<u>[0.2]</u> <u>0.9</u>	[ N ] I	0.0076	N	[0.3] 2	[ N ] I	0.00000194	N	43	X	300000	1,6,7	13100	15100	X	66	
THIOFANOX	39196-18-4	0.0003	H					0.022		5200	9						280	
THIRAM	137-26-8	0.005	I					1000		30	4						339	
TOLUENE	108-88-3	0.08	I			5	I	130	X	532.4	1,2,3,4	13100	15000	X			111	9.01
TOLUIDINE, M-	108-44-1			<u>[0.18]</u> <u>0.016</u>	S			0.000051	S	140	15030	6				X	203	
TOLUIDINE, O-	95-53-4			<u>[0.18]</u> <u>0.016</u>	[ C ] P			0.000051	C	410	15000	1,3,5				X	200	18.07
TOLUIDINE, P-	106-49-0	<u>0.004</u>	X	<u>[0.19]</u> <u>0.03</u>	[ H ] P			320		7410	1,2,3						200	
TOXAPHENE	8001-35-2	<u>0.0004</u>	M	1.1	I			0.00032	I	1500	3	2,4,5					432	
TRIALATE	2303-17-5	0.013	I					2,000		4	5					X	343	
TRIBROMOMETHANE (BROMOFORM)	75-25-2	0.02	I	0.0079	I			0.0000011	I	130	X	3050	1,2,3,4	13100	15100	X	149	0.69
TRICHLORO-1,2,2- TRIFLUOROETHANE, 1,1,2-	76-13-1	30	I			30	H	1,200	X	170	1	13100	15000	X			48	0.35
<b>TRICHLOROACETIC ACID</b>	<b>76-03-9</b>	<b>0.02</b>	<b>I</b>	<b>0.07</b>	<b>I</b>			<b>20</b>	<b>X</b>	<b>1200000</b>	<b>2,3,5,9</b>						<b>196</b>	
TRICHLOROBENZENE, 1,2,4-	120-82-1	0.01	I	<u>[0.0036]</u> <u>0.029</u>	[ C ] P	<u>[0.004]</u> <u>0.002</u>	P	1500		44.4	1,4,6,7					X	213	0.69
TRICHLOROBENZENE, 1,3,5-	108-70-3	0.006	M			<u>[0.004]</u> <u>0.002</u>	S	3100		5.8	5						208	
TRICHLOROETHANE, 1,1,1-	71-55-6	2	I			5	I	100	X	1495	1,4,5,6	13100	15000	X			74	0.05
TRICHLOROETHANE, 1,1,2-	79-00-5	0.004	I	0.057	I	<u>0.0002</u>	X	0.000016	I	76	X	4420	1	13100	15100	X	114	0.03

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Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) <sup>1</sup>	RfCi (mg/m <sup>3</sup> )	IUR (µg/m <sup>3</sup> ) <sup>1</sup>	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference <sup>1</sup>	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr <sup>-1</sup> )				
TRICHLOROETHYLENE (TCE)	79-01-6	[0.006] <u>0.0005</u>	[ N ] I	[0.011] <u>0.05</u>	[ N ] I	[0.5] <u>0.002</u>	[ D ] I	[0.0000017] <u>0.000004</u>	[ N ] I	93	X	1100	1	13100	15000	X	87	0.02
TRICHLOROPHENOL, 2,4,5-	95-95-4	0.1	I					2400		1000	1,2,4			246				0.14
TRICHLOROPHENOL, 2,4,6-	88-06-2	0.001	P	0.011	I			0.0000031	I	1100	850	1,2,4,5		246				0.14
TRICHLOROPHENOXYACE TIC ACID, 2,4,5- (2,4,5-T)	93-76-5	0.01	I					43		278	2,4,5			279				1.39
TRICHLOROPHENOXYPRO PIONIC ACID, 2,4,5- (2,4,5- TP)(SILVEX)	93-72-1	0.008	I					1700		140	2			353				
TRICHLOROPROPANE, 1,1,2-	598-77-6	0.005	I					24	X	2700	14	13100	15000	X	117			
TRICHLOROPROPANE, 1,2,3-	96-18-4	[0.006] <u>0.004</u>	I	[7] [ <del>169</del> ] <u>30</u>	[ H ] I	[0.005] <u>0.0003</u>	[ N ] I	280	X	1896	1,4,6	13100	15100	X	157			0.35
TRICHLOROPROPENE, 1,2,3-	96-19-5	[0.01] <u>0.003</u>	[ P ] X			[0.001] <u>0.0003</u>	P	190	X	2700	14	13100	15000	X	142			
TRIETHYLAMINE	121-44-8					0.007	I	51	X	55000	1,4	13100	15100	X	90			
<b>TRIETHYLENE GLYCOL</b>	<b>112-27-6</b>	<b>2</b>	<b>P</b>					<b>6</b>		<b>1000000</b>	<b>12</b>			<b>X</b>	<b>285</b>			
TRIFLURALIN	1582-09-8	0.0075	I	0.0077	I			720		4	2,5,6,7			382				
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	[0.05]	[ P ]			0.007	P	2,200	X	56	1	13100	15000	X	169			4.50
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[0.05] <u>0.01</u>	[ P ] X			[0.006]	[ P ]	660	X	48.9	1	13100	15100	X	165			

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TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.0001	P	0.017	P					<b>116</b>	X	1800	2,3,5	13000	15000	X	190	18.07
TRINITROTOLUENE, 2,4,6-	118-96-7	0.0005	I	0.03	I					1		100	2				240	
VINYL ACETATE	108-05-4	1	H			0.2	I			2.8	X	20000	1	13200	15000	X	73	
VINYL BROMIDE (BROMOETHENE)	593-60-2					0.003	I	0.000032	H	150	X	4180	12	13100	15000	X	16	0.09
VINYL CHLORIDE	75-01-4	0.003	I	<b>[0.72]</b> <b>1.5</b>	I	0.1	I	<b>[0.0000044]</b> <b>0.000009</b>	I	10	X	2700	1	13200	15000	X	-13	0.09
WARFARIN	81-81-2	0.0003	I							910		17	4				356	4.50
XYLENES (TOTAL)	1330-20-7	0.2	I			0.1	I			350	X	175	13	13100	15000	X	140	0.69
ZINEB	12122-67-7	0.05	I							19		10	4				474	

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Level

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Assessment Summary Table (HEAST)

I = Integrated Risk information System (IRIS)

T = TEF

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Regulations and Health

Value

Advisories

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**Toxicity Value Appendix**