

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

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ¹	RfCi (mg/m ³)	IUR (µg/m ³) ¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)				
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			[0.73] 0.7	[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			0.73	N			0.00011	C	550000			0.0012	5,6,7			357	0.21
BENZO[GH]PERYLENE	191-24-2	0.06	S					2800000		0.00026			1,5,6				500	0.19
BENZO[K]FLUORANTHENE	207-08-9			0.073	N			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			221	121413.60				
BENZYL ALCOHOL	100-51-6	[0.5] 0.1	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
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	I	1.1	C			0.00031	C	1400			7.3	4,5,6			323	1.05
BIPHENYL, 1,1-	92-52-4	[0.05] 0.5	I	0.008	X	0.0004	X			1,700			7.2	1			255	18.07

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BIS(2-CHLOROETHOXY)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-CHLOROISOPROPYL)ETHER	108-60-1	0.04	I	0.07	H			0.00001	H	62	X	1700	5	13000	14900	X	189	0.69
BIS(CHLOROMETHYL)ETHER	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			0.0000024	C	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			0.04	X			27	X	16700	4	13100	15000	X	68	
BROMODICHLOROMETHANE	75-27-4	0.02	I	0.062	I			0.000037	C	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-	71-36-3	0.1	I							3.2	X	74000	1	13000	14900	X	118	4.68
BUTYLATE	2008-41-5	0.05	I							540	X	45	2	13200	15200	X	138	
BUTYLBENZENE, N-	104-51-8	[0.04] 0.05	[N] P							2,500	X	15	1,6,7	13100	15100	X	183	
BUTYLBENZENE, SEC-	135-98-8	[0.04] 0.1	[N] X							890	X	17	1,6,7	13100	15000	X	174	

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BUTYLBENZENE, TERT-	98-06-6	<u>0.04</u> <u>0.1</u>	[N]			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	300	X	2100	1,2,3	13100	15100	X	46					
CARBON TETRACHLORIDE	56-23-5	[<u>0.0007</u>] <u>0.004</u>	I	[<u>0.13</u>] <u>0.07</u>	I	[<u>0.19</u>] <u>0.1</u>	[D]	[<u>0.000015</u>] <u>0.000006</u>	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
CHLOROACETALDEHYDE	107-20-0			<u>0.3</u>	<u>X</u>			<u>3.2</u>	<u>X</u>	<u>1000000</u>	<u>9</u>	<u>13000</u>	<u>14900</u>	<u>X</u>	<u>85</u>			
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	[<u>0.4</u>] <u>0.04</u>	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			0.098	D	0.000023	I	56	X	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	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			[0.007] 0.02	[H] I] I]	0.003	I	50	X	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	[14, 15] 1,4,5	13100	15000	X	159			
CHLOROTOLUENE, P-	106-43-4	[0.07] 0.02	[P] X					375	X	106	12	13000	14900	X	162			
CHLORPYRIFOS	2921-88-2	[0.003] 0.001	[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	
CHLOROTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	0.01	I					6,500		0.5	2,5,7						360	1.37
CHRYSENE	218-01-9			0.0073	N			0.000011	C	490000		0.0019	1				448	0.13
CRESOL(S)	1319-77-3	0.005	S			0.06	C			25	X	20000	2	13000	14900	X	139	5.16
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

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CRESOL, P (METHYLPHENOL, 4-)	106-44-5	0.005	H							49		22000	6				202	9.03
CRESOL, P-CHLORO-M-	59-50-7	[0.005] 0.1	[S] X							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	0.001	P	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			0.7	P			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	0.002	P	0.24	I			0.000069	C	44000		0.16	5,6,7				350	0.02
DDE, 4,4'-	72-55-9			0.34	I			0.000097	C	87000		0.04	5				348	0.02
DDT, 4,4'-	50-29-3	0.0005	I	0.34	I			0.000097	I	240000		0.0055	5,6,7				260	0.02
D(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			3.8	C			0.0011	C	36		7470	4				292	0.69
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	N			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

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Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
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			0.004	X			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	0.05	I					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	0.003	N							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
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	0.2	I			[0.2] 0.1	[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
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

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Advisories

Appendix A
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Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
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
DICHLOROPHENOXYACETI C 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
DICHLOROVOS	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	P			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					0.003	C			4		1000000	2,3,9			X	269	
DIETHYL PHTHALATE	84-66-2	0.8	I							81		1080	4,5,6			X	298	2.25
DIFLUBENZURON	35367-38- 5	0.02	I							1,000		0.2	2				201	
DIISOPROPYL METHYLPHOSPHONATE	1445-75-6	0.08	I							10	X	160000	9	13000	14900	X	190	
DIMETHOATE	60-51-5	0.0002	I							110		25000	4				361	2.26
DIMETHOXYBENZIDINE, 3,3-	119-90-4			[0.014] 1.6	[H] X					1,300		60	9				331	0.69
DIMETHRIN	70-38-2	0.3	M							27,000		0.036	13				353	
DIMETHYLAMINOAZOBENZ ENE, 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	[H] P					22,000		1300	10				300	18.07

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Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
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	51		270	4,5,6				300	0.69
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	0.001	P							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	[0.1] 0.03	[D] I I	[0.011] 0.1	I	[3.6] 0.03	D	[0.000077]] 0.000006	[C] I I	7.8	X	1000000	5	13000	14900	X	101	0.69
DIPHENAMID	957-51-7	0.03	I							200		260	5				210	
DIPHENYLAMINE	122-39-4	0.025	I							190		300	3				302	4.50
DIPHENYLHYDRAZINE, 1,2-	122-66-7			0.8	I			0.00022	I	660		0.252	6				309	0.69
DIQUAT	85-00-7	0.0022	I							2.6		700000	5				355	
DISULFOTON	298-04-4	0.00004	I							1000		25	4,5,6			X	332	6.02
DITHIANE, 1,4-	505-29-3	0.01	I							22.7	[x] X	3000	15	13000	14900		199	
DIURON	330-54-1	0.002	I							300		42	2,4,5				354	
ENDOSULFAN	115-29-7	0.006	I							2,000		0.48	4				401	2.78
ENDOSULFAN I (ALPHA)	959-98-8	0.006	S							2000		0.5	6				401	
ENDOSULFAN II (BETA)	33213-65- 9	0.006	S							2300		0.45	6				390	
ENDOSULFAN SULFATE	1031-07-8	0.006	S							2300		0.117	7,9				409	
ENDOTHALL	145-73-3	0.02	I							120		100000	2				350	
ENDRIN	72-20-8	0.0003	I							11000		0.23	4,6,7,9				245	
EPICHLOROHYDRIN	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
ETHEPHON	16672-87- 0	0.005	I							2		1240000	12				201	
ETHION	563-12-2	0.0005	I							8700		0.85	4,6,9,10			X	415	

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Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	RfCi (mg/m ³)	IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)			
ETHOXYETHANOL, 2-(EGEE)	110-80-5	[0.4] 0.09	[H] P	0.2	I	12	X	1000000	2	13200	15000	X	136	4.50			
ETHYL ACETATE	141-78-6	0.9	I			59	X	80800	1,2,3,4,5,6	13100	15000	X	77	18.07			
ETHYL ACRYLATE	140-88-5			0.048	H	110	X	15000	1,2,6	13100	15100	X	100	18.07			
ETHYL BENZENE	100-41-4	0.1	I		1	220	X	161	1,3,4	13100	15000	X	136	1.11			
ETHYL DIPROPYLTHIOCARBAMAT E, S- (EPTC)	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			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	4.4	X	1000000	2	13100	15100	X	198	10.54			
ETHYLENE THIOUREA (ETU)	96-45-7	0.00008	I	0.045	C	0.000013	C	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			
FLUOROTRICHLOROMETH ANE (FREON 11)	75-69-4	0.3	I		0.7	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

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FORMIC ACID	64-18-6	[2] <u>0.9</u>	[H] [P]	[0.003] <u>0.0003</u>	[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		I	0.0002	I	7200	1.8	5,6,7		X	239	4.50				
HEXACHLOROETHANE	67-72-1	[0.001] <u>0.0007</u>	I	[0.014] <u>0.04</u>	I	<u>0.03</u>	I	[0.000004] <u>0.00001</u>	[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] <u>0.00003</u>	[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] <u>0.06</u>	P			10		70000	2,3,5		285	18.07				
INDENO[1,2,3-CD]PYRENE	193-39-5			0.73	N			0.00011	C	31000000			0.062	5			536	0.17

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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	
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			[0.0007] 0.03	[H] I P			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] 2	I			[4] 20	[C] I			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	[0.003] 0.005	P			0.02	I				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			0.02	P			55	X	52000	1,2,5	13100	15100	X	70	18.07

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Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ¹	RfCi (mg/m ³)	IUR (µg/m ³) ¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
METHYL CHLORIDE	74-87-3	[0.004]	0.013	0.09	0.0000018	6	X	6180	1,2,3,4	13200	15000	X	-24	4.50
METHYL ETHYL KETONE	78-93-3	0.6		5		32	X	275000	1,2,3,4,5	13100	15100	X	80	2.57
METHYL HYDRAZINE	60-34-4	0.001		0.00002	X	1	X	1000000	2	1300	14900	X	88	5.27
METHYL ISOBUTYL KETONE	108-10-1	0.08		3		17	X	19550	1,2,4,5	13100	15100	X	117	18.07
METHYL ISOCYANATE	624-83-9			0.001		10	X	100000	7	13000	15000	X	40	
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	[0.04] 0.005		[0.005] 0.03		54	X	17500	1	13100	15100	X	128	
METHYL METHACRYLATE	80-62-6	1.4		0.7		10	X	15600	1	13100	15100	X	100	4.50
METHYL METHANESULFONATE	66-27-3		0.099		0.000028	5.2		200000	2			X	203	
METHYL PARATHION	298-00-0	0.00025				790		25	4,5,6				348	3.61
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	0.006		0.04		2,200	X	89	9	13100	15000	X	163	
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4		0.0018	3	0.00000026	12	X	45000	1,2,4,6	13100	15100	X	55	0.69
METHYLCHLOROPHENOXY ACETIC ACID (MCPA)	94-74-6	0.0005				112		1000	5,6,8,9				287	1.39
METHYLENE BIS(2-CHLOROANILINE), 4,4'	101-14-4	0.002	0.1		0.00043	3,000		13.9	10				379	
METHYLNAPHTHALENE, 2-	91-57-6	0.004		0.003		16000		25	1				241	
METHYLSTYRENE, ALPHA	98-83-9	0.07				660	X	560	9	13100	15100	X	165	
METOLACHLOR	51218-45-2	0.15				182	X	530	1,5	13000	15000	X	100	
METRIBUZIN	21087-64-9	0.025				95		1200	1,5				367	

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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) ⁻¹	RfCi (mg/m ³)	IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)				
MONOCHLOROACETIC ACID	79-11-8	[0.01] 0.002	[M] H			0.24	X	858000	17	13000	14900		189					
NAPHTHALENE	91-20-3	0.02	I		0.003	I		30	3				218	0.98				
NAPHTHYLAMINE, 1-	134-32-7			1.8	S			1690	2				301	0.69				
NAPHTHYLAMINE, 2-	91-59-8			1.8	C			6.4	6				306	0.69				
NAPROPAMIDE	15299-99-7	0.1	I					70	2				399					
NITROANILINE, M-	99-09-2	0.0003	P	0.021	P	0.001	P	100	3				306					
NITROANILINE, O-	88-74-4	[0.003] 0.01	[P] X		[0.0001] 0.00005	[P] X		1200	6				284					
NITROANILINE, P-	100-01-6	0.004	P	0.02	P	0.006	P	800	2				332					
NITROBENZENE	98-95-3	0.002	I		0.009	I	0.00004	I	130			X	211	0.64				
NITROGUANIDINE	556-88-7	0.1	I					4400	9				231					
NITROPHENOL, 2-	88-75-5	0.008	S					2100	1,2,3,4,5,6				215	9.01				
NITROPHENOL, 4-	100-02-7	0.008	N					16000	2				279	25.81				
NITROPROPANE, 2-	79-46-9				0.02	I	0.0027	H	20	X	13000	14900	X	120	0.69			
NITROSODIETHYLAMINE, N-	55-18-5			150	I		0.043	I	26	X	93000	10	13000	14900	X	176	0.69	
NITROSODIMETHYLAMINE, N-	62-75-9	0.000008	P	51	I	0.00004	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			[0.016] 0.0016	I	450			X	235	0.69			
NITROSO-DI-N-PROPYLAMINE, N-	621-64-7			7	I			0.002	C	11			X	206	0.69			
NITROSODIPHENYLAMINE, N-	86-30-6	[0.02]	[P]	0.0049	I			0.0000026	C	580				269	3.72			
NITROSO-N-ETHYLUREA, N-	759-73-9			27	C			0.0077	C	2				223	1734.48			

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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) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
OCTYL PHTHALATE, DI-N-	117-84-0	[0.04] 0.01	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	0.07	I			0.00002	I	110000		0.25	5			X	325	
PCB-1221 (AROCLOR)	11104-28- 2			2	I			0.00057	I	1900		0.59	5			X	275	
PCB-1232 (AROCLOR)	11141-16- 5			2	I			0.00057	I	1500		1.45	7			X	290	
PCB-1242 (AROCLOR)	53469-21- 9			2	I			0.00057	I	48000		0.1	5			X	325	
PCB-1248 (AROCLOR)	12672-29- 6			2	I			0.00057	I	190000		0.054	7,9,11			X	340	
PCB-1254 (AROCLOR)	11097-69- 1	0.00002	I	2	I			0.00057	I	810000		0.057	5			X	365	
PCB-1260 (AROCLOR)	11096-82- 5			2	I			0.00057	I	1800000		0.08	5				385	
PEBULATE	1114-71-2	0.05	H							630		92	5			X	303	
PENTACHLOROBENZENE	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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Potency Factor

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Level

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S = surrogate

Assessment Summary Table

(HEAST)

I = Integrated Risk

T = TEF

information System (IRIS)

TE = TERA ITER Peer-Reviewed

M = EPA Drinking Water

Value

Regulations and Health

X = EPA Provisional Peer-Reviewed

Advisories

Toxicity Value Appendix

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

Regulated Substance	CAS	RfDo (mg/kg-d)	[H] P	CSFo (mg/kg-d) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
PHENYL MERCAPTAN	108-98-5	[0.00001] 0.001	[H] P							562	X	653	5,9	13000	15000	X	170	
PHENYLENEDIAMINE, M- PHENYLPHENOL, 2-	108-45-2 90-43-7	0.006	I	0.0019	H					12 5,700		351000 700	3 5				286 280	4.50 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		6170	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					7	C			25	X	1000000	2	13000	14900	X	82	
PROPAZINE	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	
RDX	121-82-4	0.003	I	0.11	I			[0.0000031]	[I] I	70		59.9	1,9				353	

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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) ¹	RfCi (mg/m ³)	IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)				
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	[0.00000 0001] 0.000000 0007	D	130000	C	0.00000004	C	38	C	4300000	0.0000193	6		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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Appendix A
Table 5 – Physical and Toxicological Properties
A. Organic Regulated Substances

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ¹	RfCi (mg/m ³)	IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)				
TETRAHYDROFURAN	109-99-9	[0.2] 0.9	[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			0.18	S			0.000051	S	140		15030	6			X	203	
TOLUIDINE, O-	95-53-4			[0.18] 0.016	[C] P			0.000051	C	410		15000	1,3,5			X	200	18.07
TOLUIDINE, P-	106-49-0			[0.19] 0.03	[H] P					320		7410	1,2,3				200	
TOXAPHENE	8001-35-2			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
TRICHLOROACETIC ACID	76-03-9	0.02	I	0.07	I					20	X	1200000	2,3,5,9				196	
TRICHLOROBENZENE, 1,2,4-	120-82-1	0.01	I	[0.0036] 0.029	[C] P	[0.004] 0.002	P			1500		44.4	1,4,6,7			X	213	0.69
TRICHLOROBENZENE, 1,3,5-	108-70-3	0.006	M			[0.004] 0.002	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	0.0002	X	0.000016	I	76	X	4420	1	13100	15100	X	114	0.03

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A. Organic Regulated Substances

Regulated Substance	CAS	RfDo (mg/kg-d)		CSFo (mg/kg-d) ⁻¹		RfCi (mg/m ³)		IUR (µg/m ³) ⁻¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
TRICHLOROETHYLENE (TCE)	79-01-6	[0.006] <u>0.0005</u>	[N] 	[0.011] <u>0.05</u>	[N] 	[0.5] <u>0.002</u>	[D] 	[0.0000017] <u>0.000004</u>	[N] 	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
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	0.01	I							43		278	2,4,5				279	1.39
TRICHLOROPHENOXYPROPIONIC 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] 160	[H] 	[0.005] <u>0.0003</u>	[N] 			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	
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	

¹Aqueous solubility references are keyed to the numbered list found at §250.304(f). Where there are multiple sources cited. The table value is the median of the values in the individual references.

Toxicity Value Sources:

- C = California EPA Cancer Potency Factor
- D = ATSDR Minimal Risk Level
- H = Health Effects Assessment Summary Table (HEAST)
- I = Integrated Risk information System (IRIS)
- M = EPA Drinking Water Regulations and Health Advisories
- N = EPA NCEA Provisional Values
- P = EPA Provisional Peer-Reviewed Toxicity Value
- S = surrogate
- T = TEF
- TE = TERA ITER Peer-Reviewed Value
- X = EPA Provisional Peer-Reviewed 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) ¹		RfCi (mg/m ³)		IUR (µg/m ³) ¹		Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.0001	P	0.017	P						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	[0.72] 1.5	I	0.1	I	[0.0000044] 0.000009	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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