

**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	X	3.8	1,5,6	17220	20833		279	1.24
ACENAPHTHYLENE	208-96-8	0.06	S <sup>1</sup>							4500	X	16.1	5,6,7	16493	19776		280	2.11
ACEPHATE	30560-19-1	[0.004] 0.0012	[I] O	[0.0087]	[I]					3		818000	6				340	
ACETALDEHYDE	75-07-0					0.009	I	0.0000022	I	4.1	X	1000000	1	[13100] 13010	[15100] 14945	X	20	
ACETONE	67-64-1	0.9	I			31	D			0.31	X	1000000	1	[13100] 13007	[15000] 14942	X	56	18.07
ACETONITRILE	75-05-8					0.06	I			0.5	X	1000000	1	[13100] 13020	[15000] 14958	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		10.13	7				303	0.69
ACROLEIN	107-02-8	0.0005	I			0.00002	I			0.56	X	208000	1,2,4	[13100] 13012	[15100] 14948	X	53	4.50
ACRYLAMIDE	79-06-1	0.002	I	0.5	I	0.006	I	0.0001	I	25	X	2151000	4	[13000] 12981	[15000] 14906		193	
ACRYLIC ACID	79-10-7	0.5	I			0.001	I			29	X	1000000	2	[13000] 12978	[14900] 14902	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] 13004	[15100] 14939	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	M							0.22		330000	5				307	
ALDRIN	309-00-2	0.00003	I	17	I			0.0049	I	48000		0.02	4,5,6				330	0.22
ALLYL ALCOHOL	107-18-6	0.005	I			0.0001	X			3.2	X	1000000	2	[13100] 13003	[15000] 14937	X	97	18.07
AMETRYN	834-12-8	0.009	I							389		185	5				345	
AMINOBIIPHENYL, 4-	92-67-1			21	C			0.006	C	110		1200	5				302	18.07
AMITROLE	61-82-5			0.94	C			0.00027	C	120		280000	4				258	0.69
AMMONIA	7664-41-7	[0.97] 0.85	H			[0.1] 0.5	I			3	X	310000	2,5,7	[13100] 13098	[15000] 15059	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	33800	1	[13000] 12959	[14900] 14876	X	184	
ANTHRACENE	120-12-7	0.3	I							21000	X	0.066	1,5,6,7,8,9	30838	44562		340	0.28
ATRAZINE	1912-24-9	0.035	I	0.23	C					130		70	2,4,5				313	

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		[0.003] 0.0015	[D] O															
AZINPHOS-METHYL (GUTHION)	86-50-0	[0.003] 0.0015	[D] O			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	0.0024	O					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] 13053	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			0.7	X			0.00011	C	350000		0.011	1,5,6				438	0.19
BENZO[A]PYRENE	50-32-8	0.0003	I	[7.3] 1	I	0.000002	I	[0.0011] 0.0006	[C] I	910000		0.0038	1,5,6				495	0.24
BENZO[B]FLUORANTHENE	205-99-2			1.2	C			0.00011	C	550000		0.0012	5,6,7				357	0.21
BENZO[GHI]PERYLENE	191-24-2	0.06	S <sup>1</sup>							2800000		0.00026	1,5,6				500	0.19
BENZO[K]FLUORANTHENE	207-08-9			1.2	C			0.00011	C	4400000		0.00055	5,6,7				480	0.06
BENZOIC ACID	65-85-0	4	I							32	X	2700	2,3,4,5	12985	14913		249	
BENZOTRICHLORIDE	98-07-7			13	I					920	X	53	1,5,13	13494	15606	X	221	121413.60
BENZYL ALCOHOL	100-51-6	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] 12940	[15000] 14846	X	179	20.90
BETA PROPIOLACTONE	57-57-8			14	C			0.004	C	4	X	370000	2	[13100] 13008	[15000] 14937	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	I	0.008	[X] I	0.0004	X			1,700	X	7.2	1	14027	16325		255	18.07
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] 12942	[14900] 14849	X	179	0.69
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	0.04	I	0.07	H			0.00001	H	62	X	1700	5	[13000] 12947	[14900] 14856	X	189	0.69
BIS(CHLOROMETHYL)ETHER	542-88-1			220	I			0.062	I	16	X	22000	6	[13100] 12992	[15100] 14922	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

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BROMACIL	314-40-9	0.1	M							58		815	2				421	
<b>BROMOBENZENE</b>	<b>108-86-1</b>	<b>0.008</b>	<b>I</b>			<b>0.06</b>	<b>I</b>			<b>268</b>	<b>X</b>	<b>445</b>	<b>1.2</b>	<b>12954</b>	<b>14866</b>	<b>X</b>	<b>156.1</b>	
BROMOCHLOROMETHANE	74-97-5	0.01	M			0.04	X			27	X	16700	4	[13100] 13007	[15000] 14942	X	68	
BROMODICHLOROMETHANE	75-27-4	0.02	I	0.062	I			0.000037	C	93	X	4500	6	[13100] 12984	[15000] 14910	X	87	
BROMOMETHANE	74-83-9	0.0014	I			0.005	I			170	X	17500	2	[13100] 13039	[15000] 14981	X	4	6.66
BROMOXYNIL	1689-84-5	[0.02] 0.015	[I] O	0.103	O					300		130	2				329	
BROMOXYNIL OCTANOATE	1689-99-2	[0.02] 0.015	[I] O	0.103	O					18,000		0.08	12				414	5.75
BUTADIENE, 1,3-	106-99-0			[3.4] 0.6	C	0.002	I	0.00003	I	120	X	735	1	[13200] 13115	[15000] 15041	X	-4.5	4.50
BUTYL ALCOHOL, N-	71-36-3	0.1	I							3.2	X	74000	1	[13000] 12998	[14900] 14930	X	118	4.68
BUTYLATE	2008-41-5	0.05	I							540	X	45	2	[13200] 13430	[15200] 15519	X	138	
BUTYLBENZENE, N-	104-51-8	0.05	P							2,500	X	15	1,6,7	[13100] 12943	[15100] 14851	X	183	
BUTYLBENZENE, SEC-	135-98-8	0.1	X							890	X	17	1,6,7	[13100] 12983	[15000] 14910	X	174	
BUTYLBENZENE, TERT-	98-06-6	0.1	X							680	X	30	1,6,7	[13100] 12979	[15000] 14904	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			0.0000066	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	[13100] 13022	[15100] 14961	X	46	
CARBON TETRACHLORIDE	56-23-5	0.004	I	0.07	I	0.1	I	0.000006	I	160	X	795	1,2,3	[13100] 13117	[15000] 15083	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

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CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3				50	I			22	X	1400	4	[13100] 13117	[15000] 15041	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] 13142	[15000] 15116	X	45	18.07	
CHLOROACETALDEHYDE	107-20-0		[0.3] 0.27	X					3.2	X	1000000	9	[13000] 13004	[14900] 14938	X	85		
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	X	3900	1	13139	15127		232		
CHLOROBENZENE	108-90-7	0.02	I				0.05	P	200	X	490	3	[13100] 12992	[15000] 14922	X	132	0.84	
CHLOROBENZILATE	510-15-6	0.02	I	0.11	C			0.000031	C	2600		13	4			415	3.60	
CHLOROBUTANE, 1-	109-69-3	0.04	P						580	X	680	1,2,3,4	[13200] 13007	[15000] 14942	X	79		
CHLORODIBROMOMETHANE	124-48-1	0.02	I	0.084	I			[0.000027]	[C]	83	X	4200	4,6,7,9	[13100] 12973	[15100] 14895	X	116	1.39
CHLORODIFLUOROMETHANE	75-45-6					50	I		59	X	2899	4	[13200] 13141	[15000] 15113	X	-41		
CHLOROETHANE	75-00-3	[0.4]	[N]	[0.0029]	[N]	10	I		42	X	5700	1	[13100] 13101	[15000] 15038	X	12	4.50	
CHLOROFORM	67-66-3	0.01	I	[0.019] 0.031	C	[0.098] 0.3	[D] C	0.000023	I	56	X	8000	1,2,3	[13100] 13044	[15000] 14988	X	61	0.01
CHLORONAPHTHALENE, 2-	91-58-7	0.08	I						8500	X	11.7	1	19021	23532		256		
CHLORONITROBENZENE, P-	100-00-5	[0.001] 0.0007	P	[0.0063] 0.06	P	[0.0006] 0.002	P		480	X	220	1	13190	15196		242		
CHLOROPHENOL, 2-	95-57-8	0.005	I						400	X	24000	1,3,4	[12900] 13053	[14900] 15009	X	175		
CHLOROPRENE	126-99-8	0.02	H			0.02	I	0.0003	I	50	X	1736	9	[13100] 13116	[15000] 15075	X	59	0.69
CHLOROPROPANE, 2-	75-29-6					[0.1] 0.1001	H		260	X	3100	1,3,5	[13200] 13055	[15000] 15002	X	47		
CHLOROTHALONIL	1897-45-6	0.015	I	[0.0031] 0.017	C			[0.0000089]	[C]	980		0.6	2			350		
CHLOROTOLUENE, O-	95-49-8	0.02	I						760	X	422	1,4,5	[13100] 12941	[15000] 14848	X	159		
CHLOROTOLUENE, P-	106-43-4	0.02	X						375	X	106	12	[13000] 12961	[14900] 14877	X	162		
CHLORPYRIFOS	2921-88-2	0.001	D						4600		1.12	2,4,6,7				377		

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CHLORSULFURON	64902-72-3	[0.05] 0.02	[I] O						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			0.12	C			0.000011	C		490000	0.0019	1			448	0.13
CRESOL(S)	1319-77-3	0.1	D			0.06	C			X	20000	2	[13000] 12976	[14900] 14899	X	139	5.16
CRESOL, DINITRO-O-, 4,6-	534-52-1	[0.0001] 0.00008	[P] X						257	X	150	4	[13025] 13025	[14970] 14970		312	6.02
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	0.05	I						22	X	2500	3,5,6	[13000] 12974	[14900] 14896		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	0.1	X						780		3846	2				235	
CROTONALDEHYDE	4170-30-3	0.001	S <sup>2</sup>	1.9	S <sup>2</sup>				5.6	X	180000	3	[13000] 12998	[14900] 14931	X	104	18.07
CROTONALDEHYDE, TRANS-	123-73-9	0.001	P	1.9	H				6.1	X	156000	1	[13100] 13006	[15100] 14940	X	104	18.07
CUMENE (ISOPROPYL BENZENE)	98-82-8	0.1	I			0.4	I		2800	X	50	1,5,6	[13100] 12940	[15100] 14846	X	152	15.81
CYANAZINE	21725-46-2	0.002	[M] H	0.84	H				199		171	2,5				369	
CYCLOHEXANE	110-82-7					6	I		479	X	55	1,2,4,5,6	[13100] 13140	[15100] 15112	X	81	
CYCLOHEXANONE	108-94-1	5	I			0.7	P		66	X	36500	1,2,4,5	[13000] 12949	[14900] 14858	X	157	
CYFLUTHRIN	68359-37-5	0.025	I						130,000		0.001	2				448	
CYROMAZINE	66215-27-8	[0.0075] 0.5	[I] O						1,200		11000	12				222	
DDD, 4,4'-	72-54-8	0.003	X	0.24	I			0.000069	C		44000	0.16	5,6,7			350	0.02
DDE, 4,4'-	72-55-9	0.0003	X	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
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	0.6	I	0.0012	I				47,000,000		200	5			X	214	4.50
DIALATE	2303-16-4			0.061	H				190		40	2,4,6,8			X	328	1.39
DIAMINOTOLUENE, 2,4-	95-80-7			4	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]ANTHRACENE	53-70-3			4.1	C			0.0012	C		1800000	0.0006	1,5,6			524	0.13

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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> )
DIBENZOFURAN	132-64-9	0.001	X							10233	X	4.48	1,6,7,9	23885	31445		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] 12946	[15000] 14856	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] 12972	[15100] 14893	X	131	2.11
DIBROMOMETHANE	74-95-3	0.01	H			0.004	X			110	X	11400	1	[13100] 12948	[15100] 14858	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] 12994	[14900] 14924	X	194	
DICHLORO-2-BUTENE, 1,4-	764-41-0							0.0042	P	180	X	850	9	[13100] 12943	[15000] 14851	X	156	
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6							0.0042	[S]P	215	X	850	9	[12900] 12940	[14800] 14847	X	155	
DICHLOROBENZENE, 1,2-	95-50-1	0.09	I			0.2	H			350	X	147	1,4,5,6,7	[13100] 12946	[15100] 14855	X	180	0.69
DICHLOROBENZENE, 1,3-	541-73-1	0.09	M							360	X	106	1	[13100] 12942	[15100] 14849	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] 12943	[14900] 14850		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			0.1	X			360	X	280	1	[13200] 13115	[15000] 15041	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] 13051	[15000] 14998	X	57	0.16
DICHLOROETHANE, 1,2-	107-06-2	0.006	X	0.091	I	0.007	P	0.000026	I	38	X	8412	1,2,3,4	[13100] 13010	[15000] 14945	X	83	0.07
DICHLOROETHYLENE, 1,1-	75-35-4	0.05	I			0.2	I			65	X	2500	1,4,5	[13100] 13145	[15000] 15119	X	32	0.19
DICHLOROETHYLENE, CIS-1,2-	156-59-2	0.002	I							49	X	3500	1	[13100] 13037	[15000] 14979	X	60	0.01
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	0.02	I			[0.06]	[P]			47	X	6300	1	[13100] 13053	15000	X	48	0.01
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	0.006	I	0.002	I	0.6	I	0.00000001	I	16	X	20000	1,2,3	[13100] 13071	[15000] 15023	X	40	4.50
DICHLOROPHENOL, 2,4-	120-83-2	0.003	I							160		4500	1				210	5.88

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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] 0.04	[D] P	[0.036] 0.037	[C] P	0.004	I	[0.00001] 0.0037	[C]P	47	X	2700	1,3,4	[13100] 13016	[15000] 14954	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] 13038	[15000] 14981	X	108	22.38
DICHLOROPROPIONIC ACID, 2,2-(DALAPON)	75-99-0	0.03	I							62	X	500000	5	[13000] 12949	[14900] 14860	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			0.0003	X			810	X	40	5	[13000] 12957	[14900] 14870		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			0.0002	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
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] 12978	[14900] 14903	X	190		
DIMETHOATE	60-51-5	[0.0002] 0.0022	[I] O					110		25000		4					361	2.26
DIMETHOXYBENZIDINE, 3,3-	119-90-4			1.6	P			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	0.027	P			180	X	1200		5,6,7,9	[13000] 12944	[14900] 14852	X	192	0.69	
DIMETHYLBENZIDINE, 3,3-	119-93-7			11	P			22,000		1300		10					300	18.07
DIMETHYL METHYLPHOSPHONATE	756-79-6	0.06	P	0.0017	P			5	X	1000000		14	[13000] 12998	[14900] 14930	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	0.0003	X	1.5	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	0.03	I	0.1	I	[0.11] 0.03	[D] I	[0.0000077] 0.000005	[C]I	7.8	X	1000000	5	[13000] 12996	[14900] 14928	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] 0.1	[I] [O]				190		300	3				302	4.50			
DIPHENYLHYDRAZINE, 1,2-	122-66-7			0.8	I	0.00022	I	660	X	0.252	6	13375	15446	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	3000	15	[13000] 12976	[14900] 14899		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 <sup>3</sup>				2000		0.5	6				401				
ENDOSULFAN II (BETA)	33213-65-9	0.006	S <sup>3</sup>				2300		0.45	6				390				
ENDOSULFAN SULFATE	1031-07-8	0.006	S <sup>3</sup>				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	0.000012	I	35	X	65800	1,3,4	[13000] 12972	[14900] 14893	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				
ETHOXYETHANOL, 2- (EGEE)	110-80-5	0.09	P		0.2	I			1000000	2	[13200] 13100	[15000] 15040	X	136	4.50			
ETHYL ACETATE	141-78-6	0.9	I		0.07	P			80800	1,2,3,4,5,6	[13100] 12963	[15000] 14881	X	77	18.07			
ETHYL ACRYLATE	140-88-5	0.005	P	0.048	H	0.008	P		110	X	15000	1,2,6	[13100] 12951	[15100] 14863	X	100	18.07	
ETHYL BENZENE	100-41-4	0.1	I	0.011	C	1	I	0.0000025	C	220	X	161	1,3,4	[13100] 13004	15000	X	136	1.11
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	[0.025] 0.05	[I] [O]						240	X	365	2	[12900] 13056	[14900] 15014	X	127		
ETHYL ETHER	60-29-7	0.2	I						68	X	60400	1	[13100] 12982	[15100] 14908	X	35		
ETHYL METHACRYLATE	97-63-2	0.09	H		0.3	P			4635.5	9,10	[13100] 12991	[15000] 14921	X	117				
ETHYLENE CHLORHYDRIN	107-07-3	0.02	P						1	X	1000000	9	[13000] 13006	[14900] 14941	X	128		
ETHYLENE GLYCOL	107-21-1	2	I		0.4	C			4.4	X	1000000	2	[13100] 13004	[15100] 14938	X	198	10.54	
ETHYLENE THIOUREA (ETU)	96-45-7	0.00008	I	0.045	C			0.000013	C	0.23		2		347	4.50			

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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	X	1.9	1	20155	25294		298	2.11		
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	0.3	I		0.7 H	130	X	1090	1,4,5,6	[13100] 13107	[15000] 15060	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	0.021 C	[0.0098] 0.009 [D] C	0.000013	I	3.6	X	55000	1	[13100] 13046	[15100] 14990	X	-21	18.07
FORMIC ACID	64-18-6	0.9	P		0.0003 X			0.54	X	1000000	2	[13000] 12940	[14900] 14846	X	101	18.07
FOSETYL-AL	39148-24-8	[3] 2.5	[I] O					310		120000	2				464	
FURAN	110-00-9	0.001	I			130	X	10000	1	[13100] 13019	[15000] 14956	X	31	2.25		
FURFURAL	98-01-1	0.003	I	0.0349 O	0.05 H	6.3	X	91000	1,2,3	[13000] 12998	[14900] 14930	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		
HEXACHLOROETHANE	67-72-1	0.0007	I	0.04 I	0.03 I	[0.00001] 0.000011	C	2200	X	50	1	[13000] 14825	[15000] 17421		187	0.69
HEXANE	110-54-3	0.06	H		0.7 I			3600	X	9.5	1,5,6	[13100] 13105	[15000] 15056	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	0.00003 P	0.0049	I	0.0053	X	1000000	2	[13000] 13026	[15000] 14966	X	114	18.07
HYDROQUINONE	123-31-9	0.04	P	0.06 P				10		70000	2,3,5		285	18.07		

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**Table 5 – Physical and Toxicological Properties**  
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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> )
INDENO[1,2,3-CD]PYRENE	193-39-5		1.2 C		0.00011 C	31000000		0.062	5				536	0.17
IPRODIONE	36734-19-7	0.04 I	<b>0.0439 O</b>			1,100		13	2				545	
ISOBUTYL ALCOHOL	78-83-1	0.3 I				60	X	81000	1,2,3,4,5	[13000] 12954	[14900] 14866	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				1.84		50000	13			X	230	
KEPONE	143-50-0	0.0003 I	10 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	<b>0.0601 O</b>			1		23	9,13				351	
MERPPOS OXIDE	78-48-8	[0.00003] <del>0.001</del> 0.0005	[I] Ø D			53,000		2.3	8,10,12			X	392	
METHACRYLONITRILE	126-98-7	0.0001 I		0.03 P		21	X	25700	1	[13100] 12994	[15100] 14925	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] 13025	[15100] 14964	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	0.005 P		0.02 I		1	X	1000000	2	[13100] 13141	[15000] 15115	X	124	4.50
METHYL ACETATE	79-20-9	1 [H] X				30	X	243500	4,5,6	[13100] 12982	[15100] 14908	X	57	
METHYL ACRYLATE	96-33-3	0.03 H		0.02 P		55	X	52000	1,2,5	[13100] 12971	[15100] 14892	X	70	18.07
METHYL CHLORIDE	74-87-3		0.013 H	0.09 I	0.0000018 H	6	X	6180	1,2,3,4	[13200] 13103	[15000] 15038	X	-24	4.50
METHYL ETHYL KETONE	78-93-3	0.6 I		5 I		32	X	275000	1,2,3,4,5	[13100] 12974	[15100] 14897	X	80	2.57
METHYL HYDRAZINE	60-34-4	0.001 P		0.00002 X	0.001 X	1	X	1000000	2	[1300] 13011	[14900] 14947	X	88	5.27
METHYL ISOBUTYL KETONE	108-10-1	0.08 H		3 I		17	X	19550	1,2,4,5	[13100] 12983	[15100] 14910	X	117	18.07
METHYL ISOCYANATE	624-83-9			0.001 C		10	X	100000	7	[13000] 13021	[15000] 14959	X	40	

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METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	0.005	I			0.03	I			54	X	17500	1	[13100] 12955	[15100] 14868	X	128	
METHYL METHACRYLATE	80-62-6	1.4	I			0.7	I			10	X	15600	1	[13100] 13001	[15100] 14934	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
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	0.006	H			0.04	H			2,200	X	89	9	[13100] 12945	[15000] 14853	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] 13014	[15100] 14950	X	55	0.69
METHYLCHLOROPHENOXYACETIC 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 <sup>4</sup>			16000	X	25	1	12955	14870		241	
METHYLSTYRENE, ALPHA	98-83-9	0.07	H							660	X	560	9	[13100] 12942	[15100] 14850	X	165	
METOLACHLOR	51218-45-2	0.15	I							182	X	530	1,5	[13000] 13035	[15000] 14985	X	100	
METRIBUZIN	21087-64-9	0.025	I							95		1200	1,5				367	
<b>MEVINPHOS</b>	<b>7786-34-7</b>	<b>0.000025</b>	<b>O</b>							<b>44</b>	<b>X</b>	<b>600000</b>	<b>6</b>	<b>12947</b>	<b>14856</b>			
MONOCHLOROACETIC ACID	79-11-8	0.002	H							0.24	X	858000	17	[13000] 13008	[14900] 14943		189	
NAPHTHALENE	91-20-3	0.02	I	0.12	C	0.003	I	0.000034	C	950	X	30	3	13284	15323		218	0.98
NAPHTHYLAMINE, 1-	134-32-7			1.8	[S] <sup>5</sup> C			[0.00051]	[S]	3200	X	1690	2	15517	18386		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] 0.12	[I] O							880		70	2				399	
NITROANILINE, O-	88-74-4	0.01	X			0.00005	X			27	X	1200	6	12967	14886		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	X	2000	2	12940	14847	X	211	0.64
NITROGUANIDINE	556-88-7	0.1	I							0.13		4400	9				231	
NITROPHENOL, 2-	88-75-5	0.008	S <sup>6</sup>							37	X	2100	1,2,3,4,5,6	12966	14884		215	9.01
NITROPHENOL, 4-	100-02-7	0.008	[N] M							230	X	16000	2	12960	14878		279	25.81

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NITROPROPANE, 2-	79-46-9			0.02	I	0.0027	H	20	X	16700	1,3,4,5	[13000] 12984	[14900] 14911	X	120	0.69
NITROSODIETHYLAMINE, N-	55-18-5		150	I		0.043	I	26	X	93000	10	[13000] 12974	[14900] 14896	X	176	0.69
NITROSODIMETHYLAMINE, N-	62-75-9	0.000008	P	51	I	0.00004	X	8.5	X	1000000	2	[13000] 13001	[14900] 14934	X	154	0.69
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3		5.4	I		0.0016	I	450	X	1200	9, 10, 11	13008	14946	X	235	0.69
NITROSODI-N-PROPYLAMINE, N-	621-64-7		7	I		0.002	C	11	X	9900	6	12986	14914	X	206	0.69
NITROSODIPHENYLAMINE, N-	86-30-6		0.0049	I		0.0000026	C	580	X	35	1	13148	15140		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	0.01	P					980000000		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] 0.00003	[H] O					2300		20	2,4,5,6,7			X	375	
<b>PCBS, TOTAL (POLYCHLORINATED BIPHENYLS) (AROCLORS)</b>	<b>1336-36-3</b>		<b>2</b>	<b>!</b>		<b>0.0001</b>	<b>!</b>	<b>78100</b>		<b>0.0505</b>	<b>10,13</b>				<b>360</b>	
PCB-1016 (AROCLOR)	12674-11-2	0.00007	I	[2]	[S]	[0.00057]	[S]	110000		0.25	5			X	325	
[PCB-1221 (AROCLOR)]	[11104-28-2]			[2]	[S]	[0.00057] 0.0001	[S]	[1900]	X	[0.59]	[5]	13810	16032	[X]	[275]	
[PCB-1232 (AROCLOR)]	[11141-16-5]			[2]	[S]	[0.00057] 0.0001	[S]	[1500]		[1.45]	[7]			[X]	[290]	
[PCB-1242 (AROCLOR)]	[53469-21-9]			[2]	[S]	[0.00057] 0.0001	[S]	[48000]		[0.1]	[5]			[X]	[325]	
[PCB-1248 (AROCLOR)]	[12672-29-6]			[2]	[S]	[0.00057] 0.0001	[S]	[190000]		[0.054]	[7,9,11]			[X]	[340]	
PCB-1254 (AROCLOR)	11097-69-1	0.00002	I	[2]	[S]	[0.00057]	[S]	810000		0.057	5			X	365	
[PCB-1260 (AROCLOR)]	[11096-82-5]			[2]	[S]	[0.00057] 0.0001	[S]	[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] 13120	[15100] 15102	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	0.005	I	0.4	I	[0.0000046] 0.0000051	C	20000		14	1,2,4,5				310	0.17

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<b>PERFLUOROBUTANE SULFONATE (PFBS)</b>	<b>375-73-5</b>	<b>0.02</b>	<b>P</b>				<b>61.7</b>		<b>56600</b>	<b>9</b>			<b>X</b>	<b>211</b>			
<b>PERFLUOROOCTANE SULFONATE (PFOS)</b>	<b>1763-23-1</b>	<b>0.00002</b>	<b>M</b>	<b>0.07</b>	<b>M</b>		<b>2.57</b>		<b>680</b>	<b>19,20,21,22,23</b>				<b>258</b>			
<b>PERFLUOROOCTANOIC ACID (PFOA)</b>	<b>335-67-1</b>	<b>0.00002</b>	<b>M</b>				<b>2.06</b>		<b>9500</b>	<b>24</b>				<b>192</b>			
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 <sup>8</sup>				38000	X	1.1	1,4,5	41808	70721		341	0.63		
PHENOL	108-95-2	0.3	I		0.2	C	22	X	84300	1,2,3,4	[13000] 12977	[14900] 14901		182	36.14		
PHENYL MERCAPTAN	108-98-5	0.001	P				562	X	653	5,9	[13000] 13039	[15000] 14989	X	170			
PHENYLENEDIAMINE, M-	108-45-2	0.006	I				12		351000	3				286	4.50		
PHENYLPHENOL, 2-	90-43-7			[0.0019] 0.00194	H		5,700		700	5				280	18.07		
PHORATE	298-02-2	0.0002	[H] O				810		50	2			X	319			
PHTHALIC ANHYDRIDE	85-44-9	2	I		0.02	C	79	X	6170	2	13018	14956		285	13490.40		
PICLORAM	1918-02-1	0.07	I				15		430	2				373			
<b>[POLYCHLORINATED BIPHENYLS (AROCLORS) (PCBS)]</b>	<b>[1336-36-3]</b>			<b>[2]</b>	<b>[I]</b>	<b>[0.00057]</b>	<b>[I]</b>		<b>[0.0505]</b>	<b>[10,13]</b>				<b>[360]</b>			
PROMETON	1610-18-0	0.015	I				346		750	2,5				347			
PRONAMIDE	23950-58-5	0.075	I				200		15	2				321			
<b>PROPACHLOR</b>	<b>1918-16-7</b>	<b>0.013</b>	<b>I</b>				<b>139</b>	<b>X</b>			<b>12952</b>	<b>14865</b>		<b>110</b>	<b>1.73</b>		
PROPANIL	709-98-8	0.005	I				160		225	2				355			
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	2	P		0.2	P	25	X	1000000	2	[13000] 12981	[14900] 14906	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	0.1	X		1	X	720	X	52	6	[13100] 12971	[15100] 14891	X	159			
PROPYLENE OXIDE	75-56-9	<b>0.001</b>	<b>O</b>	0.24	I	0.03	I	0.0000037	I	25	X	405000	1	[13100] 13239	[15000] 15057	X	34
PYRENE	129-00-0	0.03	I				68000		0.132	1				393	0.07		
<b>PYRETHRUM</b>	<b>8003-34-7</b>	<b>0.044</b>	<b>O</b>				<b>5.62</b>	<b>X</b>	<b>0.35</b>	<b>13</b>			<b>X</b>	<b>170</b>			
PYRIDINE	110-86-1	0.001	I				0.0066	X	1000000	2	[13100] 13142	[15000] 15114	X	115	18.07		
QUINOLINE	91-22-5			3	I		1,300		60000	1,3,5			X	238	12.65		

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**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> )				
QUIZALOFOP (ASSURE)	76578-14-8	0.009	I			580		0.3	2				220					
RDX	121-82-4	[0.003] 0.004	I	[0.11] 0.08	I	70		59.9	1,9				353					
RESORCINOL	108-46-3	2	TE			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] 12942	[15100] 14850	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	0.000000007	[D] I	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] 12990	[14600] 14921	X	131	3.79
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	0.02	I	0.2	I			0.000058	I	79	X	2860	2	[13100] 12957	[15100] 14871	X	147	0.56
TETRACHLOROETHYLENE (PCE)	127-18-4	0.006	I	0.0021	I	0.04	I	0.0000026	I	300	X	162	1,2,3,4,5	[13100] 13017	[15000] 14955	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				
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	0.0005	I			550		25	2			X	349					
TETRAHYDROFURAN	109-99-9	0.9	I	0.0076	[N] I	2	I	0.00000194	[N] I	43	X	300000	1,6,7	[13100] 12970	[15100] 14891	X	66	
THIOFANOX	39196-18-4	0.0003	H			0.022		5200	9				280					
THIRAM	137-26-8	[0.005] 0.015	[I] O			1000		30	4				339					
TOLUENE	108-88-3	0.08	I		5	I		130	X	532.4	1,2,3,4	[13100] 13016	[15000] 14953	X	111	9.01		
TOLUIDINE, M-	108-44-1			0.016	S <sup>9</sup>			0.000051	S	140		15030	6		X	203		
TOLUIDINE, O-	95-53-4			0.016	P			0.000051	C	410		15000	1,3,5		X	200	18.07	
TOLUIDINE, P-	106-49-0	0.004	X	0.03	P			320		7410	1,2,3		200					
TOXAPHENE	8001-35-2	[0.0004] 0.00009	[M] P	1.1	I			0.00032	I	1500		3	2,4,5			432		

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1. Acenaphthene surrogate
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TRIALATE	2303-17-5	[0.013] 0.025	[I] O	0.717	O					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] 12942	[15100] 14849	X	149	0.69
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	30	I			[30] 5	[H] P			1,200	X	170	1	[13100] 13064	[15000] 15014	X	48	0.35
TRICHLOROACETIC ACID	76-03-9	0.02	I	0.07	I					20	X	1200000	2,3,5,9	13291	15077		196	
TRICHLOROBENZENE, 1,2,4-	120-82-1	0.01	I	0.029	P	0.002	P			1500	X	44.4	1,4,6,7	13217	15233	X	213	0.69
TRICHLOROBENZENE, 1,3,5-	108-70-3	0.006	M			0.002	S <sup>10</sup>			3100	X	5.8	5	15677	18611		208	
TRICHLOROETHANE, 1,1,1-	71-55-6	2	I			5	I			100	X	1495	1,4,5,6	[13100] 13116	[15000] 15082	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] 12982	[15100] 14909	X	114	0.03
TRICHLOROETHYLENE (TCE)	79-01-6	0.0005	I	[0.05] 0.046	I	0.002	I	0.000004	I	93	X	1100	1	[13100] 13070	[15000] 15022	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] 13145	[15000] 15119	X	117	
TRICHLOROPROPANE, 1,2,3-	96-18-4	0.004	I	30	I	0.0003	I			280	X	1896	1,4,6	[13100] 12974	[15100] 14896	X	157	0.35
TRICHLOROPROPENE, 1,2,3-	96-19-5	0.003	X			0.0003	P			190	X	2700	14	[13100] 13047	[15000] 14992	X	142	
TRIETHYLAMINE	121-44-8					0.007	I			51	X	55000	1,4	[13100] 12951	[15100] 14862	X	90	
TRIETHYLENE GLYCOL	112-27-6	2	P							6		1000000	12			X	285	
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	0.01	I			[0.007] 0.06	[P] I			2,200	X	56	1	[13100] 12978	[15000] 14904	X	169	4.50
TRIMETHYLBENZENE, 1,3,5-	108-67-8	0.01	[X] I			0.06	I			660	X	48.9	1	[13100] 12961	[15100] 14876	X	165	
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.0001	P	0.017	P					116	X	1800	2,3,5	[13000] 12941	[15000] 14848	X	190	18.07
TRINITROTOLUENE, 2,4,6-	118-96-7	0.0005	I	0.03	I					1		100	2				240	

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		1	H															
VINYL ACETATE	108-05-4	1	H			0.2	I			2.8	X	20000	1	[13200] 13017	[15000] 14955	X	73	
VINYL BROMIDE (BROMOETHENE)	593-60-2					0.003	I	0.000032	H	150	X	4180	12	[13100] 13086	[15000] 15043	X	16	0.09
VINYL CHLORIDE	75-01-4	0.003	I	1.5	I	0.1	I	[0.000009] 0.0000088	I	10	X	2700	1	[13200] 13109	[15000] 15040	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] 12982	[15000] 14909	X	140	0.69
ZINEB	12122-67-7	0.05	I							19		10	4				474	

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