Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vocs	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.8E-02	C	5.1E-06	C	1.5E-01	I					1	0.1		ALAR	1596-84-5	2.7E+01	c	9.6E+01	c	4.8E-01	c	2.4E+00	c	3.7E+00	c		8.2E-04	
8.7E-03	I			4.0E-03	I					1	0.1		Acephate	30560-19-1	5.6E+01	c**	2.0E+02	c*					7.7E+00	c**		1.7E-03	
		2.2E-06	I			9.0E-03	I	V		1		1.1E+05	Acetaldehyde	75-07-0	1.0E+01	c**	5.2E+01	c**	1.1E+00	c**	5.6E+00	c**	2.2E+00	c**		4.5E-04	
				2.0E-02	I					1	0.1		Acetochlor	34256-82-1	1.2E+03	n	1.2E+04	n					2.7E+02	n		2.2E-01	
				9.0E-01	I	3.1E+01	A	V		1		1.1E+05	Acetone	67-64-1	6.1E+04	n	6.3E+05	nms	3.2E+04	n	1.4E+05	n	1.2E+04	n		2.4E+00	
						2.0E-03	X	V		1		1.1E+05	Acetone Cyanohydrin	75-86-5	5.3E+01	n	2.2E+02	n	2.1E+00	n	8.8E+00	n	4.2E+00	n		8.4E-04	
						6.0E-02	I	V		1		1.3E+05	Acetonitrile	75-05-8	8.7E+02	n	3.7E+03	n	6.3E+01	n	2.6E+02	n	1.3E+02	n		2.6E-02	
				1.0E-01	I			V		1		2.5E+03	Acetophenone	98-86-2	7.8E+03	ns	1.0E+05	nms					1.5E+03	n		4.5E-01	
3.8E+00	C	1.3E-03	C							1	0.1		Acetylaminofluorene, 2-	53-96-3	1.3E-01	c	4.5E-01	c	1.9E-03	c	9.4E-03	c	1.3E-02	c		6.2E-05	
				5.0E-04	I	2.0E-05	I	V		1		2.3E+04	Acrolein	107-02-8	1.5E-01	n	6.5E-01	n	2.1E-02	n	8.8E-02	n	4.1E-02	n		8.4E-06	
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	1	0.1		Acrylamide	79-06-1	2.3E-01	c	3.4E+00	c	9.6E-03	c	1.2E-01	c	4.3E-02	c		9.1E-06	
				5.0E-01	I	1.0E-03	I			1	0.1		Acrylic Acid	79-10-7	3.0E+04	n	2.9E+05	nm	1.0E+00	n	4.4E+00	n	7.7E+03	n		1.6E+00	
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		1		1.1E+04	Acrylonitrile	107-13-1	2.4E-01	c*	1.2E+00	c*	3.6E-02	c*	1.8E-01	c*	4.5E-02	c*		9.8E-06	
						6.0E-03	P			1	0.1		Adiponitrile	111-69-3	8.5E+06	nm	3.6E+07	nm	6.3E+00	n	2.6E+01	n					
5.6E-02	C			1.0E-02	I					1	0.1		Alachlor	15972-60-8	8.7E+00	c*	3.1E+01	c					9.1E-01	c	2.0E+00	7.5E-04	1.6E-03
				1.0E-03	I					1	0.1		Aldicarb	116-06-3	6.1E+01	n	6.2E+02	n					1.5E+01	n	3.0E+00	3.8E-03	7.5E-04
				1.0E-03	I					1	0.1		Aldicarb Sulfone	1646-88-4	6.1E+01	n	6.2E+02	n					1.6E+01	n	2.0E+00	3.4E-03	4.4E-04
										1	0.1		Aldicarb sulfoxide	1646-87-3											4.0E+00		8.8E-04
1.7E+01	I	4.9E-03	I	3.0E-05	I					1	0.1		Aldrin	309-00-2	2.9E-02	c*	1.0E-01	c	5.0E-04	c	2.5E-03	c	4.0E-03	c		6.5E-04	
				2.5E-01	I					1	0.1		Ally	74223-64-6	1.5E+04	n	1.5E+05	nm					3.8E+03	n		1.5E+00	
				5.0E-03	I	1.0E-04	X			1	0.1		Allyl Alcohol	107-18-6	3.0E+02	n	3.1E+03	n	1.0E-01	n	4.4E-01	n	7.8E+01	n		1.6E-02	
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		1		1.4E+03	Allyl Chloride	107-05-1	6.8E-01	c**	3.4E+00	c**	4.1E-01	c**	2.0E+00	c**	6.3E-01	c**		2.0E-04	
				1.0E+00	P	5.0E-03	P			1			Aluminum	7429-90-5	7.7E+04	n	9.9E+05	nm	5.2E+00	n	2.2E+01	n	1.6E+04	n		2.3E+04	
				4.0E-04	I					1			Aluminum Phosphide	20859-73-8	3.1E+01	n	4.1E+02	n					6.2E+00	n			
				3.0E-04	I					1	0.1		Amdro	67485-29-4	1.8E+01	n	1.8E+02	n					4.6E+00	n		1.7E+03	
				9.0E-03	I					1	0.1		Ametryn	834-12-8	5.5E+02	n	5.5E+03	n					1.2E+02	n		1.2E-01	
2.1E+01	C	6.0E-03	C							1	0.1		Aminobiphenyl, 4-	92-67-1	2.3E-02	c	8.2E-02	c	4.1E-04	c	2.0E-03	c	2.6E-03	c		1.3E-05	
				8.0E-02	P					1	0.1		Aminophenol, m-	591-27-5	4.9E+03	n	4.9E+04	n					1.2E+03	n		4.7E-01	
				2.0E-02	P					1	0.1		Aminophenol, p-	123-30-8	1.2E+03	n	1.2E+04	n					3.1E+02	n		1.2E-01	
				2.5E-03	I					1	0.1		Amitraz	33089-61-1	1.5E+02	n	1.5E+03	n					5.9E+00	n		3.0E+00	
						1.0E-01	I			1			Ammonia	7664-41-7					1.0E+02	n	4.4E+02	n					
				2.0E-01	I					1			Ammonium Sulfamate	7773-06-0	1.6E+04	n	2.0E+05	nm					3.1E+03	n			
						3.0E-03	X	V		1		1.4E+04	Amyl Alcohol, tert-	75-85-4	8.8E+01	n	3.7E+02	n	3.1E+00	n	1.3E+01	n	6.3E+00	n		1.3E-03	
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			1	0.1		Aniline	62-53-3	8.5E+01	c**	3.0E+02	c*	1.0E+00	n	4.4E+00	n	1.2E+01	c**		3.9E-03	
4.0E-02	P			2.0E-03	X					1	0.1		Anthraquinone, 9,10-	84-65-1	1.2E+01	c*	4.3E+01	c*					1.2E+00	c*		1.2E-02	
				4.0E-04	I					0.15			Antimony (metallic)	7440-36-0	3.1E+01	n	4.1E+02	n					6.0E+00	n	6.0E+00	2.7E-01	2.7E-01
				5.0E-04	H					0.15			Antimony Pentoxide	1314-60-9	3.9E+01	n	5.1E+02	n					7.5E+00	n			
				9.0E-04	H					0.15			Antimony Potassium Tartrate	11071-15-1	7.0E+01	n	9.2E+02	n					1.3E+01	n			
				4.0E-04	H					0.15			Antimony Tetroxide	1332-81-6	3.1E+01	n	4.1E+02	n					6.0E+00	n			
						2.0E-04	I			0.15			Antimony Trioxide	1309-64-4	2.8E+05	nm	1.2E+06	nm	2.1E-01	n	8.8E-01	n					
				1.3E-02	I					1	0.1		Apollo	74115-24-5	7.9E+02	n	8.0E+03	n					1.8E+02	n		1.1E+01	
2.5E-02	I	7.1E-06	I	5.0E-02	H					1	0.1		Aramite	140-57-8	1.9E+01	c	6.9E+01	c	3.4E-01	c	1.7E+00	c	1.1E+00	c		1.3E-02	
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			1	0.03		Arsenic, Inorganic	7440-38-2	6.1E-01	c*R	2.4E+00	cR	5.7E-04	c*	2.9E-03	c*	4.5E-02	c	1.0E+01	1.3E-03	2.9E-01
				3.5E-06	C	5.0E-05	I			1			Arsine	7784-42-1	2.7E-01	n	3.6E+00	n	5.2E-02	n	2.2E-01	n	5.4E-02	n			
				9.0E-03	I					1	0.1		Assure	76578-14-8	5.5E+02	n	5.5E+03	n					9.3E+01	n		1.4E+00	
				5.0E-02	I					1	0.1		Asulam	3337-71-1	3.1E+03	n	3.1E+04	n					7.8E+02	n		2.0E-01	
2.3E-01	C			3.5E-02	I					1	0.1		Atrazine	1912-24-9	2.1E+00	c	7.5E+00	c					2.6E-01	c	3.0E+00	1.7E-04	1.9E-03
8.8E-01	C	2.5E-04	C							1	0.1		Auramine	492-80-8	5.5E-01	c	2.0E+00	c	9.7E-03	c	4.9E-02	c	5.7E-02	c		5.2E-04	
				4.0E-04	I					1	0.1		Avermectin B1	65195-55-3	2.4E+01	n	2.5E+02	n					6.3E+00	n		1.1E+01	
1.1E-01	I	3.1E-05	I					V		1			Azobenzene	103-33-3	5.1E+00	c	2.3E+01	c	7.8E-02	c	4.0E-01	c	1.0E-01	c		8.0E-04	
				2.0E-01	I	5.0E-04	H			0.07			Barium	7440-39-3	1.5E+04	n	1.9E+05	nm	5.2E-01	n	2.2E+00	n	2.9E+03	n	2.0E+03	1.2E+02	8.2E+01
				4.0E-03	I					1	0.1		Baygon	114-26-1	2.4E+02	n	2.5E+03	n					6.1E+01	n		2.0E-02	
				3.0E-02	I					1	0.1		Bayleton	43121-43-3	1.8E+03	n	1.8E+04	n					4.3E+02	n		3.4E-01	
				2.5E-02	I					1	0.1		Baythroid	68359-37-5	1.5E+03	n	1.5E+04	n					8.7E+01	n		2.3E+01	
				3.0E-01	I					1	0.1		Benefin	1861-40-1	1.8E+04	n	1.8E+05	nm					1.2E+03	n		4.1E+01	
				5.0E-02	I					1	0.1		Benomyl	17804-35-2	3.1E+03	n	3.1E+04	n					7.5E+02	n		6.6E-01	
				3.0E-02	I					1	0.1		Bentazon	25057-89-0	1.8E+03	n	1.8E+04	n					4.4E+02	n		9.6E-02	
				1.0E-01	I			V		1		1.2E+03	Benzaldehyde	100-52-7	7.8E+03	ns	1.0E+05	nms					1.5E+03	n		3.3E-01	
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1		1.8E+03	Benzene	71-43-2	1.1E+00	c*	5.4E+00	c*	3.1E-01	c	1.6E+00	c*	3.9E-01	c*	5.0E+00	2.0E-04	2.6E-03
1.0E-01	X			3.0E-04	X					1	0.1		Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	4.9E+00	c**	1.7E+01	c*					6.7E-01	c**		1.9E-04	
				1.0E-03	P			V		1		1.3E+03	Benzenethiol	108-98-5	7.8E+01	n	1.0E+03	n					1.3E+01	n		8.6E-03	
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	0.1		Benzidine	92-87-5	5.0E-04	c	7.5E-03	c	1.4E-05	c	1.8E-04	c	9.2E-05	c		2.4E-07	
				4.0E+00	I					1	0.1		Benzoic Acid	65-85-0	2.4E+05	nm	2.5E+06	nm					5.8E+04	n		1.4E+01	
1.3E+01	I							V		1		3.2E+02	Benzotrichloride	98-07-7	4.9E-02	c	2.2E-01	c					2.6E-03	c		5.6E-06	
				1.0E-01	P					1	0.1		Benzyl Alcohol	100-51-6	6.1E+03	n	6.2E+04	n					1.5E+03	n		3.7E-01	

TR=1E-06
HQ=10

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Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		1		1.5E+03	Benzyl Chloride	100-44-7	1.0E+00	c*	4.9E+00	c*	5.0E-02	c*	2.5E-01	c*	7.7E-02	c*		8.4E-05	
		2.4E-03	I	2.0E-03	I	2.0E-05	I			0.007			Beryllium and compounds	7440-41-7	1.6E+02	n	2.0E+03	n	1.0E-03	c*	5.1E-03	c*	1.6E+01	n	4.0E+00	1.3E+01	3.2E+00
				1.0E-04	I					1	0.1		Bidrin	141-66-2	6.1E+00	n	6.2E+01	n					1.6E+00	n		3.6E-04	
				9.0E-03	P					1	0.1		Bifenox	42576-02-3	5.5E+02	n	5.5E+03	n					7.5E+01	n		5.7E-01	
				1.5E-02	I					1	0.1		Biphenthrin	82657-04-3	9.2E+02	n	9.2E+03	n					2.3E+02	n		1.1E+03	
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		1			Biphenyl, 1,1'-	92-52-4	5.1E+01	n	2.1E+02	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		8.7E-03	
7.0E-02	H	1.0E-05	H	4.0E-02	I			V		1		1.0E+03	Bis(2-chloro-1-methylethyl) ether	108-60-1	4.6E+00	c	2.2E+01	c	2.4E-01	c	1.2E+00	c	3.1E-01	c		1.1E-04	
				3.0E-03	P					1	0.1		Bis(2-chloroethoxy)methane	111-91-1	1.8E+02	n	1.8E+03	n					4.6E+01	n		1.1E-02	
1.1E+00	I	3.3E-04	I					V		1		5.1E+03	Bis(2-chloroethyl)ether	111-44-4	2.1E-01	c	1.0E+00	c	7.4E-03	c	3.7E-02	c	1.2E-02	c		3.1E-06	
2.2E+02	I	6.2E-02	I					V		1		4.2E+03	Bis(chloromethyl)ether	542-88-1	7.7E-05	c	3.9E-04	c	3.9E-05	c	2.0E-04	c	6.2E-05	c		1.5E-08	
				5.0E-02	I					1	0.1		Bisphenol A	80-05-7	3.1E+03	n	3.1E+04	n					5.8E+02	n		4.4E+01	
				2.0E-01	I	2.0E-02	H			1			Boron And Borates Only	7440-42-8	1.6E+04	n	2.0E+05	nm	2.1E+01	n	8.8E+01	n	3.1E+03	n		9.9E+00	
				2.0E+00	P	2.0E-02	P			1			Boron Trichloride	10294-34-5	1.6E+05	nm	2.0E+06	nm	2.1E+01	n	8.8E+01	n	3.1E+04	n			
				4.0E-02	C	1.3E-02	C			1			Boron Trifluoride	7637-07-2	3.1E+03	n	4.1E+04	n	1.4E+01	n	5.7E+01	n	6.2E+02	n			
7.0E-01	I			4.0E-03	I					1			Bromate	15541-45-4	9.1E-01	c	4.1E+00	c					9.6E-02	c	1.0E+01	7.4E-04	7.7E-02
2.0E+00	X	6.0E-04	X					V		1		2.4E+03	Bromo-2-chloroethane, 1-	107-04-0	2.4E-02	c	1.2E-01	c	4.1E-03	c	2.0E-02	c	6.4E-03	c		1.8E-06	
				8.0E-03	I	6.0E-02	I	V		1		6.8E+02	Bromobenzene	108-86-1	3.0E+02	n	1.8E+03	ns	6.3E+01	n	2.6E+02	n	5.4E+01	n		3.6E-02	
						4.0E-02	X	V		1		4.0E+03	Bromochloromethane	74-97-5	1.6E+02	n	6.8E+02	n	4.2E+01	n	1.8E+02	n	8.3E+01	n		2.1E-02	
6.2E-02	I	3.7E-05	C	2.0E-02	I			V		1		9.3E+02	Bromodichloromethane	75-27-4	2.7E-01	c	1.4E+00	c	6.6E-02	c	3.3E-01	c	1.2E-01	c	8.0E+01(F)	3.2E-05	2.2E-02
7.9E-03	I	1.1E-06	I	2.0E-02	I					1	0.1		Bromoform	75-25-2	6.2E+01	c*	2.2E+02	c*	2.2E+00	c	1.1E+01	c	7.9E+00	c*	8.0E+01(F)	2.1E-03	2.1E-02
				1.4E-03	I	5.0E-03	I	V		1		3.6E+03	Bromomethane	74-83-9	7.3E+00	n	3.2E+01	n	5.2E+00	n	2.2E+01	n	7.0E+00	n		1.8E-03	
				5.0E-03	H					1	0.1		Bromophos	2104-96-3	3.1E+02	n	3.1E+03	n					2.6E+01	n		1.1E-01	
				2.0E-02	I					1	0.1		Bromoxynil	1689-84-5	1.2E+03	n	1.2E+04	n					2.5E+02	n		2.2E-01	
				2.0E-02	I					1	0.1		Bromoxynil Octanoate	1689-99-2	1.2E+03	n	1.2E+04	n					1.0E+02	n		8.7E-01	
3.4E+00	C	3.0E-05	I			2.0E-03	I	V		1		6.7E+02	Butadiene, 1,3-	106-99-0	5.4E-02	c*	2.6E-01	c*	8.1E-02	c*	4.1E-01	c*	1.6E-02	c		8.6E-06	
				1.0E-01	I					1	0.1		Butanol, N-	71-36-3	6.1E+03	n	6.2E+04	n					1.5E+03	n		3.2E-01	
1.9E-03	P			2.0E-01	I					1	0.1		Butyl Benzyl Phthalate	85-68-7	2.6E+02	c*	9.1E+02	c					1.4E+01	c*		2.0E-01	
				2.0E+00	P	3.0E+01	P			1	0.1		Butyl alcohol, sec-	78-92-2	1.2E+05	nm	1.2E+06	nm	3.1E+04	n	1.3E+05	n	3.1E+04	n		6.3E+00	
				5.0E-02	I					1	0.1		Butylate	2008-41-5	3.1E+03	n	3.1E+04	n					3.4E+02	n		3.3E-01	
2.0E-04	C	5.7E-08	C							1	0.1		Butylated hydroxyanisole	25013-16-5	2.4E+03	c	8.6E+03	c	4.3E+01	c	2.2E+02	c	2.1E+02	c		3.9E-01	
3.6E-03	P			3.0E-01	P					1	0.1		Butylated hydroxytoluene	128-37-0	1.4E+02	c	4.8E+02	c					2.9E+00	c		8.6E-02	
				5.0E-02	P			V		1		1.1E+02	Butylbenzene, n-	104-51-8	3.9E+03	ns	5.1E+04	ns					7.8E+02	n		2.5E+00	
				1.0E-01	X			V		1		1.5E+02	Butylbenzene, sec-	135-98-8	7.8E+03	ns	1.0E+05	nms					1.6E+03	n		4.6E+00	
				1.0E-01	X			V		1		1.8E+02	Butylbenzene, tert-	98-06-6	7.8E+03	ns	1.0E+05	nms					5.1E+02	n		1.1E+00	
				2.0E-02	A					1	0.1		Cacodylic Acid	75-60-5	1.2E+03	n	1.2E+04	n					3.1E+02	n			
		1.8E-03	I	1.0E-03	I	1.0E-05	A			0.025	0.001		Cadmium (Diet)	7440-43-9	7.0E+01	n	8.0E+02	n									
		1.8E-03	I	5.0E-04	I	1.0E-05	A			0.05	0.001		Cadmium (Water)	7440-43-9					1.4E-03	c**	6.8E-03	c**	6.9E+00	n	5.0E+00	5.2E-01	3.8E-01
				5.0E-01	I	2.2E-03	C			1	0.1		Caprolactam	105-60-2	3.0E+04	n	3.0E+05	nm	2.3E+00	n	9.6E+00	n	7.7E+03	n		1.9E+00	
1.5E-01	C	4.3E-05	C	2.0E-03	I					1	0.1		Captafol	2425-06-1	3.2E+00	c*	1.1E+01	c	5.7E-02	c	2.9E-01	c	3.5E-01	c*		6.1E-04	
2.3E-03	C	6.6E-07	C	1.3E-01	I					1	0.1		Captan	133-06-2	2.1E+02	c*	7.5E+02	c	3.7E+00	c	1.9E+01	c	2.7E+01	c*		1.9E-02	
				1.0E-01	I					1	0.1		Carbaryl	63-25-2	6.1E+03	n	6.2E+04	n					1.4E+03	n		1.3E+00	
				5.0E-03	I					1	0.1		Carbofuran	1563-66-2	3.1E+02	n	3.1E+03	n					7.3E+01	n	4.0E+01	2.8E-02	1.6E-02
				1.0E-01	I	7.0E-01	I	V		1		7.4E+02	Carbon Disulfide	75-15-0	8.2E+02	ns	3.7E+03	ns	7.3E+02	n	3.1E+03	n	7.2E+02	n		2.1E-01	
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		1		4.6E+02	Carbon Tetrachloride	56-23-5	6.1E-01	c	3.0E+00	c	4.1E-01	c	2.0E+00	c	3.9E-01	c	5.0E+00	1.5E-04	1.9E-03
				1.0E-02	I					1	0.1		Carbosulfan	55285-14-8	6.1E+02	n	6.2E+03	n					3.7E+01	n		9.0E-01	
				1.0E-01	I					1	0.1		Carboxin	5234-68-4	6.1E+03	n	6.2E+04	n					1.5E+03	n		8.0E-01	
						9.0E-04	I			1			Ceric oxide	1306-38-3	1.3E+06	nm	5.4E+06	nm	9.4E-01	n	3.9E+00	n					
				1.0E-01	I					1	0.1		Chloral Hydrate	302-17-0	6.1E+03	n	6.2E+04	n					1.5E+03	n		3.1E-01	
				1.5E-02	I					1	0.1		Chloramben	133-90-4	9.2E+02	n	9.2E+03	n					2.2E+02	n		5.5E-02	
4.0E-01	H									1	0.1		Chloranil	118-75-2	1.2E+00	c	4.3E+00	c					1.6E-01	c		1.3E-04	
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			1	0.04		Chlordane	12789-03-6	1.6E+00	c*	6.5E+00	c*	2.4E-02	c*	1.2E-01	c*	1.9E-01	c*	2.0E+00	1.3E-02	1.4E-01
1.0E+01	I	4.6E-03	C	3.0E-04	I					1	0.1		Chlordecone (Kepone)	143-50-0	4.9E-02	c	1.7E-01	c	5.3E-04	c	2.7E-03	c	3.0E-03	c		1.1E-04	
				7.0E-04	A					1	0.1		Chlorfenvinphos	470-90-6	4.3E+01	n	4.3E+02	n					8.6E+00	n		2.3E-02	
				2.0E-02	I					1	0.1		Chlorimuron, Ethyl-	90982-32-4	1.2E+03	n	1.2E+04	n					3.0E+02	n		1.0E-01	
				1.0E-01	I	1.5E-04	A			1			Chlorine	7782-50-5	7.5E+03	n	9.1E+04	n	1.5E-01	n	6.4E-01	n	1.6E+03	n		7.0E-01	
				3.0E-02	I	2.0E-04	I			1			Chlorine Dioxide	10049-04-4	2.3E+03	n	3.0E+04	n	2.1E-01	n	8.8E-01	n	4.7E+02	n			
				3.0E-02	I					1			Chlorite (Sodium Salt)	7758-19-2	2.3E+03	n	3.1E+04	n					4.7E+02	n	1.0E+03		
						5.0E+01	I	V		1		1.2E+03	Chloro-1,1-difluoroethane, 1-	75-68-3	5.8E+04	ns	2.4E+05	nms	5.2E+04	n	2.2E+05	n	1.0E+05	n		5.2E+01	
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		1		7.5E+02	Chloro-1,3-butadiene, 2-	126-99-8	9.4E-03	c	4.7E-02	c	8.1E-03	c	4.1E-02	c	1.6E-02	c		8.5E-06	
4.6E-01	H									1	0.1		Chloro-2-methylaniline HCl, 4-	3165-93-3	1.1E+00	c	3.7E+00	c					1.5E-01	c		1.3E-04	
1.0E-01	P	7.7E-05	C	3.0E-03	X					1	0.1		Chloro-2-methylaniline, 4-	95-69-2	4.9E+00	c*	1.7E+01	c	3.2E-02	c	1.6E-01	c	6.0E-01	c*		3.4E-04	
2.7E-01	X							V		1	0.1	2.8E+04	Chloroacetaldehyde, 2-	107-20-0	1.8E+00	c	6.4E+00	c					2.5E-01	c		5.0E-05	
				2.0E-03	H					1	0.1		Chloroacetic Acid	79-11-8	1.2E+02	n	1.2E+03	n					3.1E+01	n	6.0E+01	6.3E-03	1.2E-02
						3.0E-05	I			1	0.1		Chloroacetophenone, 2-	532-27-4	4.3E+04	n	1.8E+05	nm	3.1E-02	n	1.3E-01	n					
2.0E-01	P			4.0E-03	I					1	0.1		Chloroaniline, p-	106-47-8	2.4E+00	c	8.6E+00	c					3.2E-01	c		1.3E-04	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				2.0E-02	I	5.0E-02	P	V		1		7.6E+02	Chlorobenzene	108-90-7	2.9E+02	n	1.4E+03	ns	5.2E+01	n	2.2E+02	n	7.2E+01	n	1.0E+02	4.9E-02	6.8E-02
1.1E-01	C	3.1E-05	C	2.0E-02	I					1	0.1		Chlorobenzilate	510-15-6	4.4E+00	c	1.6E+01	c	7.8E-02	c	4.0E-01	c	2.7E-01	c		8.8E-04	
				3.0E-02	X					1	0.1		Chlorobenzoic Acid, p-	74-11-3	1.8E+03	n	1.8E+04	n					3.9E+02	n		9.9E-02	
				3.0E-03	P	3.0E-01	P	V		1		1.2E+02	Chlorobenzotrifluoride, 4-	98-56-6	2.1E+02	ns	2.3E+03	ns	3.1E+02	n	1.3E+03	n	2.6E+01	n		9.3E-02	
				4.0E-02	P			V		1		7.3E+02	Chlorobutane, 1-	109-69-3	3.1E+03	ns	4.1E+04	ns					4.8E+02	n		2.0E-01	
						5.0E+01	I	V		1		1.7E+03	Chlorodifluoromethane	75-45-6	5.3E+04	ns	2.2E+05	nms	5.2E+04	n	2.2E+05	n	1.0E+05	n		4.3E+01	
				2.0E-02	P					1	0.1		Chloroethanol, 2-	107-07-3	1.2E+03	n	1.2E+04	n					3.1E+02	n		6.3E-02	
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1		2.5E+03	Chloroform	67-66-3	2.9E-01	c	1.5E+00	c	1.1E-01	c	5.3E-01	c	1.9E-01	c	8.0E+01(F)	5.3E-05	2.2E-02
						9.0E-02	I	V		1		1.3E+03	Chloromethane	74-87-3	1.2E+02	n	5.0E+02	n	9.4E+01	n	3.9E+02	n	1.9E+02	n		4.9E-02	
2.4E+00	C	6.9E-04	C					V		1		2.6E+04	Chloromethyl Methyl Ether	107-30-2	1.9E-02	c	9.4E-02	c	3.5E-03	c	1.8E-02	c	5.6E-03	c		1.2E-06	
3.0E-01	P			3.0E-03	P	1.0E-05	X			1	0.1		Chloronitrobenzene, o-	88-73-3	1.6E+00	c	5.7E+00	c	1.0E-02	n	4.4E-02	n	2.0E-01	c		1.9E-04	
6.3E-03	P			1.0E-03	P	6.0E-04	P			1	0.1		Chloronitrobenzene, p-	100-00-5	6.1E+01	n	2.7E+02	c**	6.3E-01	n	2.6E+00	n	9.4E+00	c**		8.7E-03	
				5.0E-03	I			V		1		2.2E+04	Chlorophenol, 2-	95-57-8	3.9E+02	n	5.1E+03	n					7.1E+01	n		5.7E-02	
						4.0E-04	C	V		1		6.2E+02	Chloropicrin	76-06-2	2.1E+00	n	8.8E+00	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		2.5E-04	
3.1E-03	C	8.9E-07	C	1.5E-02	I					1	0.1		Chlorothalonil	1897-45-6	1.6E+02	c**	5.6E+02	c*	2.7E+00	c	1.4E+01	c	1.9E+01	c*		4.3E-02	
				2.0E-02	I			V		1		9.1E+02	Chlorotoluene, o-	95-49-8	1.6E+03	ns	2.0E+04	ns					1.8E+02	n		1.7E-01	
				2.0E-02	X			V		1		2.5E+02	Chlorotoluene, p-	106-43-4	1.6E+03	ns	2.0E+04	ns					1.9E+02	n		1.8E-01	
2.4E+02	C	6.9E-02	C							1	0.1		Chlorozotocin	54749-90-5	2.0E-03	c	7.2E-03	c	3.5E-05	c	1.8E-04	c	2.8E-04	c		6.2E-08	
				2.0E-01	I					1	0.1		Chlorpropham	101-21-3	1.2E+04	n	1.2E+05	nm					2.2E+03	n		1.9E+00	
				1.0E-03	A					1	0.1		Chlorpyrifos	2921-88-2	6.1E+01	n	6.2E+02	n					6.2E+00	n		9.2E-02	
				1.0E-02	H					1	0.1		Chlorpyrifos Methyl	5598-13-0	6.1E+02	n	6.2E+03	n					8.9E+01	n		4.1E-01	
				5.0E-02	I					1	0.1		Chlorsulfuron	64902-72-3	3.1E+03	n	3.1E+04	n					7.7E+02	n		6.5E-01	
				8.0E-04	H					1	0.1		Chlorthiophos	60238-56-4	4.9E+01	n	4.9E+02	n					2.0E+00	n		5.2E-02	
				1.5E+00	I					0.013			Chromium(III), Insoluble Salts	16065-83-1	1.2E+05	nm	1.5E+06	nm					1.6E+04	n		2.8E+07	
5.0E-01	J	8.4E-02	S	3.0E-03	I	1.0E-04	I		M	0.025			Chromium(VI)	18540-29-9	2.9E-01	c	5.6E+00	c	1.1E-05	c	1.5E-04	c	3.1E-02	c		5.9E-04	
										0.013			Chromium, Total	7440-47-3											1.0E+02		1.8E+05
		9.0E-03	P	3.0E-04	P	6.0E-06	P			1			Cobalt	7440-48-4	2.3E+01	n	3.0E+02	n	2.7E-04	c*	1.4E-03	c*	4.7E+00	n		2.1E-01	
		6.2E-04	I						M	1	0.1		Coke Oven Emissions	8007-45-2					1.5E-03	c	2.0E-02	c					
				4.0E-02	H					1			Copper	7440-50-8	3.1E+03	n	4.1E+04	n					6.2E+02	n	1.3E+03	2.2E+01	4.6E+01
				5.0E-02	I	6.0E-01	C			1	0.1		Cresol, m-	108-39-4	3.1E+03	n	3.1E+04	n	6.3E+02	n	2.6E+03	n	7.2E+02	n		5.7E-01	
				5.0E-02	I	6.0E-01	C			1	0.1		Cresol, o-	95-48-7	3.1E+03	n	3.1E+04	n	6.3E+02	n	2.6E+03	n	7.2E+02	n		5.8E-01	
				1.0E-01	A	6.0E-01	C			1	0.1		Cresol, p-	106-44-5	6.1E+03	n	6.2E+04	n	6.3E+02	n	2.6E+03	n	1.4E+03	n		1.1E+00	
				1.0E-01	A					1	0.1		Cresol, p-chloro-m-	59-50-7	6.1E+03	n	6.2E+04	n					1.1E+03	n		1.3E+00	
				1.0E-01	A	6.0E-01	C			1	0.1		Cresols	1319-77-3	6.1E+03	n	6.2E+04	n	6.3E+02	n	2.6E+03	n	1.4E+03	n		1.2E+00	
1.9E+00	H			1.0E-03	P			V		1		1.7E+04	Crotonaldehyde, trans-	123-73-9	3.4E-01	c	1.5E+00	c					3.5E-02	c		7.1E-06	
				1.0E-01	I	4.0E-01	I	V		1		2.7E+02	Cumene	98-82-8	2.1E+03	ns	1.1E+04	ns	4.2E+02	n	1.8E+03	n	3.9E+02	n		6.4E-01	
2.2E-01	C	6.3E-05	C							1	0.1		Cupferron	135-20-6	2.2E+00	c	7.8E+00	c	3.9E-02	c	1.9E-01	c	3.1E-01	c		5.3E-04	
8.4E-01	H			2.0E-03	H					1	0.1		Cyanazine	21725-46-2	5.8E-01	c	2.1E+00	c					7.6E-02	c		3.5E-05	
													Cyanides														
				1.0E-03	I					1			~Calcium Cyanide	592-01-8	7.8E+01	n	1.0E+03	n					1.6E+01	n			
				5.0E-03	I					1			~Copper Cyanide	544-92-3	3.9E+02	n	5.1E+03	n					7.8E+01	n			
				6.0E-04	I	8.0E-04	S	V		1		1.0E+07	~Cyanide (CN-)	57-12-5	2.2E+01	n	1.4E+02	n	8.3E-01	n	3.5E+00	n	1.4E+00	n	2.0E+02	1.4E-02	2.0E+00
				1.0E-03	I			V		1			~Cyanogen	460-19-5	7.8E+01	n	1.0E+03	n					1.6E+01	n			
				9.0E-02	I			V		1			~Cyanogen Bromide	506-68-3	7.0E+03	n	9.2E+04	n					1.4E+03	n			
				5.0E-02	I			V		1			~Cyanogen Chloride	506-77-4	3.9E+03	n	5.1E+04	n					7.8E+02	n			
				6.0E-04	I	8.0E-04	I	V		1		1.0E+07	~Hydrogen Cyanide	74-90-8	2.3E+01	n	1.5E+02	n	8.3E-01	n	3.5E+00	n	1.4E+00	n		1.4E-02	
				2.0E-03	I					1			~Potassium Cyanide	151-50-8	1.6E+02	n	2.0E+03	n					3.1E+01	n			
				5.0E-03	I					0.04			~Potassium Silver Cyanide	506-61-6	3.9E+02	n	5.1E+03	n					5.9E+01	n			
				1.0E-01	I					0.04			~Silver Cyanide	506-64-9	7.8E+03	n	1.0E+05	nm					1.3E+03	n			
				1.0E-03	I					1			~Sodium Cyanide	143-33-9	7.8E+01	n	1.0E+03	n					1.6E+01	n	2.0E+02		
				2.0E-04	P					1			~Thiocyanates	NA	1.6E+01	n	2.0E+02	n					3.1E+00	n			
				2.0E-04	X					1			~Thiocyanic Acid	463-56-9									3.1E+00	n			
				5.0E-02	I					1			~Zinc Cyanide	557-21-1	3.9E+03	n	5.1E+04	n					7.8E+02	n			
						6.0E+00	I	V		1		1.2E+02	Cyclohexane	110-82-7	7.0E+03	ns	2.9E+04	ns	6.3E+03	n	2.6E+04	n	1.3E+04	n		1.3E+01	
2.3E-02	H									1	0.1		Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.1E+01	c	7.5E+01	c					2.1E+00	c		1.2E-02	
				5.0E+00	I	7.0E-01	P			1	0.1		Cyclohexanone	108-94-1	3.1E+05	nm	3.1E+06	nm	7.3E+02	n	3.1E+03	n	7.7E+04	n		1.8E+01	
				5.0E-03	P	1.0E+00	X	V		1		2.8E+02	Cyclohexene	110-83-8	3.1E+02	ns	2.8E+03	ns	1.0E+03	n	4.4E+03	n	5.3E+01	n		3.5E-02	
				2.0E-01	I					1	0.1		Cyclohexylamine	108-91-8	1.2E+04	n	1.2E+05	nm					3.0E+03	n		7.9E-01	
				5.0E-03	I					1	0.1		Cyhalothrin/karate	68085-85-8	3.1E+02	n	3.1E+03	n					7.8E+01	n		5.3E+01	
				1.0E-02	I					1	0.1		Cypermethrin	52315-07-8	6.1E+02	n	6.2E+03	n					1.6E+02	n		2.5E+01	
				7.5E-03	I					1	0.1		Cyromazine	66215-27-8	4.6E+02	n	4.6E+03	n					1.2E+02	n		3.0E-02	
2.4E-01	I	6.9E-05	C							1	0.1		DDD	72-54-8	2.0E+00	c	7.2E+00	c	3.5E-02	c	1.8E-01	c	2.7E-02	c		6.4E-03	
3.4E-01	I	9.7E-05	C							1	0.1		DDE, p,p'-	72-55-9	1.4E+00	c	5.1E+00	c	2.5E-02	c	1.3E-01	c	2.0E-01	c		4.6E-02	
3.4E-01	I	9.7E-05	I	5.0E-04	I					1	0.03		DDT	50-29-3	1.7E+00	c*	7.0E+00	c*	2.5E-02	c	1.3E-01	c	2.0E-01	c*		6.7E-02	
				1.0E-02	I					1	0.1		Dacthal	1861-32-1	6.1E+02	n	6.2E+03	n					9.3E+01	n		1.1E-01	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				3.0E-02	I					1	0.1		Dalapon	75-99-0	1.8E+03	n	1.8E+04	n					4.6E+02	n	2.0E+02	9.6E-02	4.1E-02
7.0E-04	I			7.0E-03	I					1	0.1		Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	4.3E+02	n	2.5E+03	c**					9.6E+01	c**		5.3E+01	
				4.0E-05	I					1	0.1		Demeton	8065-48-3	2.4E+00	n	2.5E+01	n					5.2E-01	n			
1.2E-03	I			6.0E-01	I					1	0.1		Di(2-ethylhexyl)adipate	103-23-1	4.1E+02	c*	1.4E+03	c					5.6E+01	c	4.0E+02	4.0E+00	2.9E+01
6.1E-02	H									1	0.1		Diallate	2303-16-4	8.0E+00	c	2.8E+01	c					4.6E-01	c		6.8E-04	
				7.0E-04	A					1	0.1		Diazinon	333-41-5	4.3E+01	n	4.3E+02	n					7.9E+00	n		4.9E-02	
				1.0E-02	X			V		1			Dibenzothiophene	132-65-0	7.8E+02	n	1.0E+04	n					4.8E+01	n		8.8E-01	
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1		9.8E+02	Dibromo-3-chloropropane, 1,2-	96-12-8	5.4E-03	c	6.9E-02	c	1.6E-04	c	2.0E-03	c	3.2E-04	c	2.0E-01	1.4E-07	8.6E-05
				1.0E-02	I					1	0.1		Dibromobenzene, 1,4-	106-37-6	6.1E+02	n	6.2E+03	n					9.8E+01	n		9.3E-02	
8.4E-02	I	2.7E-05	C	2.0E-02	I			V		1	0.1	8.0E+02	Dibromochloromethane	124-48-1	6.8E-01	c	3.3E+00	c	9.0E-02	c	4.5E-01	c	1.5E-01	c	8.0E+01(F)	3.9E-05	2.1E-02
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.3E+03	Dibromoethane, 1,2-	106-93-4	3.4E-02	c	1.7E-01	c	4.1E-03	c	2.0E-02	c	6.5E-03	c	5.0E-02	1.8E-06	1.4E-05
				1.0E-02	H	4.0E-03	X	V		1		2.8E+03	Dibromomethane (Methylene Bromide)	74-95-3	2.5E+01	n	1.1E+02	n	4.2E+00	n	1.8E+01	n	7.9E+00	n		1.9E-03	
				3.0E-04	P					1	0.1		Dibutyltin Compounds	NA	1.8E+01	n	1.8E+02	n					4.7E+00	n			
				3.0E-02	I					1	0.1		Dicamba	1918-00-9	1.8E+03	n	1.8E+04	n					4.4E+02	n		1.1E-01	
		4.2E-03	P					V		1		5.2E+02	Dichloro-2-butene, 1,4-	764-41-0	6.9E-03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
		4.2E-03	P					V		1	0.1	5.2E+02	Dichloro-2-butene, cis-1,4-	1476-11-5	6.9E-03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
		4.2E-03	P					V		1	0.1	7.6E+02	Dichloro-2-butene, trans-1,4-	110-57-6	6.9E-03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
5.0E-02	I			4.0E-03	I					1	0.1		Dichloroacetic Acid	79-43-6	9.7E+00	c*	3.4E+01	c*					1.3E+00	c*	6.0E+01	2.7E-04	1.2E-02
				9.0E-02	I	2.0E-01	H	V		1		3.8E+02	Dichlorobenzene, 1,2-	95-50-1	1.9E+03	ns	9.8E+03	ns	2.1E+02	n	8.8E+02	n	2.8E+02	n	6.0E+02	2.7E-01	5.8E-01
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		1			Dichlorobenzene, 1,4-	106-46-7	2.4E+00	c	1.2E+01	c	2.2E-01	c	1.1E+00	c	4.2E-01	c	7.5E+01	4.0E-04	7.2E-02
4.5E-01	I	3.4E-04	C							1	0.1		Dichlorobenzidine, 3,3'-	91-94-1	1.1E+00	c	3.8E+00	c	7.2E-03	c	3.6E-02	c	1.1E-01	c		7.1E-04	
				9.0E-03	X					1	0.1		Dichlorobenzophenone, 4,4'-	90-98-2	5.5E+02	n	5.5E+03	n					5.7E+01	n		3.5E-01	
				2.0E-01	I	1.0E-01	X	V		1		8.5E+02	Dichlorodifluoromethane	75-71-8	9.4E+01	n	4.0E+02	n	1.0E+02	n	4.4E+02	n	1.9E+02	n		3.0E-01	
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		1		1.7E+03	Dichloroethane, 1,1-	75-34-3	3.3E+00	c	1.7E+01	c	1.5E+00	c	7.7E+00	c	2.4E+00	c		6.8E-04	
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1		3.0E+03	Dichloroethane, 1,2-	107-06-2	4.3E-01	c*	2.2E+00	c*	9.4E-02	c*	4.7E-01	c*	1.5E-01	c*	5.0E+00	4.2E-05	1.4E-03
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	Dichloroethylene, 1,1-	75-35-4	2.4E+02	n	1.1E+03	n	2.1E+02	n	8.8E+02	n	2.6E+02	n	7.0E+00	9.3E-02	2.5E-03
				9.0E-03	H			V		1		1.3E+03	Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	7.0E+02	n	9.2E+03	ns					1.3E+02	n		3.7E-02	
				2.0E-03	I			V		1		2.4E+03	Dichloroethylene, 1,2-cis-	156-59-2	1.6E+02	n	2.0E+03	n					2.8E+01	n	7.0E+01	8.2E-03	2.1E-02
				2.0E-02	I	6.0E-02	P	V		1		1.7E+03	Dichloroethylene, 1,2-trans-	156-60-5	1.5E+02	n	6.9E+02	n	6.3E+01	n	2.6E+02	n	8.6E+01	n	1.0E+02	2.5E-02	2.9E-02
				3.0E-03	I					1	0.1		Dichlorophenol, 2,4-	120-83-2	1.8E+02	n	1.8E+03	n					3.5E+01	n		4.1E-02	
				1.0E-02	I					1	0.05		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	6.9E+02	n	7.7E+03	n					1.3E+02	n	7.0E+01	3.5E-02	1.8E-02
				8.0E-03	I					1	0.1		Dichlorophenoxybutyric Acid, 4- (2,4-	94-82-6	4.9E+02	n	4.9E+03	n					9.1E+01	n		3.6E-02	
3.6E-02	C	1.0E-05	C	9.0E-02	A	4.0E-03	I	V		1		1.4E+03	Dichloropropane, 1,2-	78-87-5	9.4E-01	c*	4.7E+00	c*	2.4E-01	c*	1.2E+00	c*	3.8E-01	c*	5.0E+00	1.3E-04	1.7E-03
				2.0E-02	P			V		1		1.5E+03	Dichloropropane, 1,3-	142-28-9	1.6E+03	ns	2.0E+04	ns					2.9E+02	n		9.9E-02	
				3.0E-03	I					1	0.1		Dichloropropanol, 2,3-	616-23-9	1.8E+02	n	1.8E+03	n					4.6E+01	n		9.8E-03	
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.6E+03	Dichloropropene, 1,3-	542-75-6	1.7E+00	c*	8.3E+00	c*	6.1E-01	c*	3.1E+00	c*	4.1E-01	c*		1.5E-04	
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		Dichlorvos	62-73-7	1.7E+00	c*	5.9E+00	c*	2.9E-02	c*	1.5E-01	c*	2.3E-01	c*		7.0E-05	
				8.0E-03	P	7.0E-03	P	V		1			Dicyclopentadiene	77-73-6	3.1E+01	n	1.3E+02	n	7.3E+00	n	3.1E+01	n	1.2E+01	n		4.3E-02	
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		Dieldrin	60-57-1	3.0E-02	c	1.1E-01	c	5.3E-04	c	2.7E-03	c	1.5E-03	c		6.1E-05	
		3.0E-04	C			5.0E-03	I			1	0.1		Diesel Engine Exhaust	NA					8.1E-03	c	4.1E-02	c					
				2.0E-03	P	2.0E-04	P			1	0.1		Diethanolamine	111-42-2	1.2E+02	n	1.2E+03	n	2.1E-01	n	8.8E-01	n	3.1E+01	n		6.3E-03	
				3.0E-02	P	1.0E-04	P			1	0.1		Diethylene Glycol Monobutyl Ether	112-34-5	1.8E+03	n	1.8E+04	n	1.0E-01	n	4.4E-01	n	4.7E+02	n		1.0E-01	
				6.0E-02	P	3.0E-04	P			1	0.1		Diethylene Glycol Monoethyl Ether	111-90-0	3.6E+03	n	3.6E+04	n	3.1E-01	n	1.3E+00	n	9.4E+02	n		1.9E-01	
				1.0E-03	P					1	0.1		Diethylformamide	617-84-5	6.1E+01	n	6.2E+02	n					1.6E+01	n		3.2E-03	
3.5E+02	C	1.0E-01	C							1	0.1		Diethylstilbestrol	56-53-1	1.4E-03	c	4.9E-03	c	2.4E-05	c	1.2E-04	c	4.3E-05	c		2.4E-05	
				8.0E-02	I					1	0.1		Difenzoquat	43222-48-6	4.9E+03	n	4.9E+04	n					1.2E+03	n			
				2.0E-02	I					1	0.1		Diflubenzuron	35367-38-5	1.2E+03	n	1.2E+04	n					2.2E+02	n		2.5E-01	
						4.0E+01	I	V		1		1.4E+03	Difluoroethane, 1,1-	75-37-6	5.2E+04	ns	2.2E+05	nms	4.2E+04	n	1.8E+05	n	8.3E+04	n		2.8E+01	
4.4E-02	C	1.3E-05	C					V		1	0.1		Dihydrosafrole	94-58-6	2.4E-01	c	1.2E+00	c	1.9E-01	c	9.4E-01	c	2.6E-01	c		3.2E-04	
						7.0E-01	P	V		1		2.3E+03	Diisopropyl Ether	108-20-3	2.4E+03	ns	1.0E+04	ns	7.3E+02	n	3.1E+03	n	1.5E+03	n		3.7E-01	
				8.0E-02	I			V		1		5.3E+02	Diisopropyl Methylphosphonate	1445-75-6	6.3E+03	ns	8.2E+04	ns					1.2E+03	n		3.5E-01	
				2.0E-02	I					1	0.1		Dimethipin	55290-64-7	1.2E+03	n	1.2E+04	n					3.1E+02	n		6.9E-02	
				2.0E-04	I					1	0.1		Dimethoate	60-51-5	1.2E+01	n	1.2E+02	n					3.1E+00	n		7.0E-04	
1.6E+00	P									1	0.1		Dimethoxybenzidine, 3,3'-	119-90-4	3.0E-01	c	1.1E+00	c					4.1E-02	c		5.0E-05	
1.7E-03	P			6.0E-02	P					1	0.1		Dimethyl methylphosphonate	756-79-6	2.9E+02	c*	1.0E+03	c*					3.9E+01	c*		8.3E-03	
4.6E+00	C	1.3E-03	C							1	0.1		Dimethylamino azobenzene [p-]	60-11-7	1.1E-01	c	3.7E-01	c	1.9E-03	c	9.4E-03	c	4.3E-03	c		1.8E-05	
5.8E-01	H									1	0.1		Dimethylaniline HCl, 2,4-	21436-96-4	8.4E-01	c	3.0E+00	c					1.2E-01	c		1.0E-04	
2.0E-01	P			2.0E-03	X					1	0.1		Dimethylaniline, 2,4-	95-68-1	2.4E+00	c*	8.6E+00	c					3.2E-01	c*		1.8E-04	
				2.0E-03	I			V		1		8.3E+02	Dimethylaniline, N,N-	121-69-7	1.6E+02	n	2.0E+03	ns					2.7E+01	n		9.8E-03	
1.1E+01	P									1	0.1		Dimethylbenzidine, 3,3'-	119-93-7	4.4E-02	c	1.6E-01	c					5.6E-03	c		3.7E-05	
				1.0E-01	P	3.0E-02	I			1	0.1		Dimethylformamide	68-12-2	6.1E+03	n	6.2E+04	n	3.1E+01	n	1.3E+02	n	1.6E+03	n		3.2E-01	
				1.0E-04	X	2.0E-06	X			1	0.1		Dimethylhydrazine, 1,1-	57-14-7	6.1E+00	n	6.1E+01	n	2.1E-03	n	8.8E-03	n	1.6E+00	n		3.5E-04	
5.5E+02	C	1.6E-01	C							1	0.1		Dimethylhydrazine, 1,2-	540-73-8	8.8E-04	c	3.1E-03	c	1.5E-05	c	7.7E-05	c	1.2E-04	c		2.8E-08	
				2.0E-02	I					1	0.1		Dimethylphenol, 2,4-	105-67-9	1.2E+03	n	1.2E+04	n					2.7E+02	n		3.2E-01	
				6.0E-04	I					1	0.1		Dimethylphenol, 2,6-	576-26-1	3.7E+01	n	3.7E+02	n					8.1E+00	n		9.8E-03	

HQ=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				1.0E-03	I					1	0.1		Dimethylphenol, 3,4-	95-65-8	6.1E+01	n	6.2E+02	n					1.4E+01	n		1.6E-02	
4.5E-02	C	1.3E-05	C					V		1	0.1	1.1E+03	Dimethylvinylchloride	513-37-1	2.0E-01	c	1.0E+00	c	1.9E-01	c	9.4E-01	c	2.8E-01	c		1.8E-04	
				8.0E-05	X					1	0.1		Dinitro-o-cresol, 4,6-	534-52-1	4.9E+00	n	4.9E+01	n					1.2E+00	n		2.0E-03	
				2.0E-03	I					1	0.1		Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	1.2E+02	n	1.2E+03	n					1.7E+01	n		5.7E-01	
				1.0E-04	P					1	0.1		Dinitrobenzene, 1,2-	528-29-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03	
				1.0E-04	I					1	0.1		Dinitrobenzene, 1,3-	99-65-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03	
				1.0E-04	P					1	0.1		Dinitrobenzene, 1,4-	100-25-4	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03	
				2.0E-03	I					1	0.1		Dinitrophenol, 2,4-	51-28-5	1.2E+02	n	1.2E+03	n					3.0E+01	n		3.4E-02	
6.8E-01	I									1	0.1		Dinitrotoluene Mixture, 2,4/2,6-	NA	7.2E-01	c	2.5E+00	c					9.2E-02	c		1.3E-04	
3.1E-01	C	8.9E-05	C	2.0E-03	I					1	0.102		Dinitrotoluene, 2,4-	121-14-2	1.6E+00	c*	5.5E+00	c	2.7E-02	c	1.4E-01	c	2.0E-01	c		2.8E-04	
1.5E+00	P			3.0E-04	X					1	0.099		Dinitrotoluene, 2,6-	606-20-2	3.3E-01	c*	1.2E+00	c					4.2E-02	c		5.8E-05	
				2.0E-03	S					1	0.006		Dinitrotoluene, 2-Amino-4,6-	35572-78-2	1.5E+02	n	2.0E+03	n					3.0E+01	n		2.3E-02	
				2.0E-03	S					1	0.009		Dinitrotoluene, 4-Amino-2,6-	19406-51-0	1.5E+02	n	1.9E+03	n					3.0E+01	n		2.3E-02	
4.5E-01	X			9.0E-04	X					1	0.1		Dinitrotoluene, Technical grade	25321-14-6	1.1E+00	c*	3.8E+00	c					1.4E-01	c*		1.9E-04	
				1.0E-03	I					1	0.1		Dinoseb	88-85-7	6.1E+01	n	6.2E+02	n					1.1E+01	n	7.0E+00	9.8E-02	6.2E-02
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I			1	0.1		Dioxane, 1,4-	123-91-1	4.9E+00	c	1.7E+01	c	4.9E-01	c*	2.5E+00	c*	6.7E-01	c		1.4E-04	
													Dioxins														
6.2E+03	I	1.3E+00	I							1	0.03		~Hexachlorodibenzo-p-dioxin, Mixture	NA	9.4E-05	c	3.9E-04	c	1.9E-06	c	9.4E-06	c	1.1E-05	c		1.5E-05	
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C			1	0.03		~TCDD, 2,3,7,8-	1746-01-6	4.5E-06	c*	1.8E-05	c*	6.4E-08	c	3.2E-07	c	5.2E-07	c*	3.0E-05	2.6E-07	1.5E-05
				3.0E-02	I					1	0.1		Diphenamid	957-51-7	1.8E+03	n	1.8E+04	n					4.1E+02	n		4.0E+00	
				8.0E-04	X					1	0.1		Diphenyl Sulfone	127-63-9	4.9E+01	n	4.9E+02	n					1.1E+01	n		2.8E-02	
				2.5E-02	I					1	0.1		Diphenylamine	122-39-4	1.5E+03	n	1.5E+04	n					2.4E+02	n		4.4E-01	
8.0E-01	I	2.2E-04	I							1	0.1		Diphenylhydrazine, 1,2-	122-66-7	6.1E-01	c	2.2E+00	c	1.1E-02	c	5.6E-02	c	6.7E-02	c		2.2E-04	
				2.2E-03	I					1	0.1		Diquat	85-00-7	1.3E+02	n	1.4E+03	n					3.4E+01	n	2.0E+01	6.5E-01	3.7E-01
7.4E+00	C	2.1E-03	C							1	0.1		Direct Black 38	1937-37-7	6.6E-02	c	2.3E-01	c	1.2E-03	c	5.8E-03	c	9.1E-03	c		4.4E+00	
7.4E+00	C	2.1E-03	C							1	0.1		Direct Blue 6	2602-46-2	6.6E-02	c	2.3E-01	c	1.2E-03	c	5.8E-03	c	9.1E-03	c		1.4E+01	
6.7E+00	C	1.9E-03	C							1	0.1		Direct Brown 95	16071-86-6	7.3E-02	c	2.6E-01	c	1.3E-03	c	6.5E-03	c	1.0E-02	c			
				4.0E-05	I					1	0.1		Disulfoton	298-04-4	2.4E+00	n	2.5E+01	n					3.8E-01	n		7.1E-04	
				1.0E-02	I			V		1	0.1		Dithiane, 1,4-	505-29-3	6.1E+02	n	6.2E+03	n					1.5E+02	n		7.6E-02	
				2.0E-03	I					1	0.1		Diuron	330-54-1	1.2E+02	n	1.2E+03	n					2.8E+01	n		1.2E-02	
				4.0E-03	I					1	0.1		Dodine	2439-10-3	2.4E+02	n	2.5E+03	n					6.2E+01	n		3.2E-01	
				2.5E-02	I			V		1			EPTC	759-94-4	2.0E+03	n	2.6E+04	n					2.9E+02	n		1.5E-01	
				6.0E-03	I					1	0.1		Endosulfan	115-29-7	3.7E+02	n	3.7E+03	n					7.8E+01	n		1.1E+00	
				2.0E-02	I					1	0.1		Endothall	145-73-3	1.2E+03	n	1.2E+04	n					3.0E+02	n	1.0E+02	7.1E-02	2.4E-02
				3.0E-04	I					1	0.1		Endrin	72-20-8	1.8E+01	n	1.8E+02	n					1.7E+00	n	2.0E+00	6.8E-02	8.1E-02
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1		1.1E+04	Epichlorohydrin	106-89-8	2.0E+01	n	8.8E+01	n	1.0E+00	n	4.4E+00	n	2.0E+00	n		4.5E-04	
						2.0E-02	I	V		1		1.5E+04	Epoxybutane, 1,2-	106-88-7	1.7E+02	n	7.2E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		9.2E-03	
				5.0E-03	I					1	0.1		Ethephon	16672-87-0	3.1E+02	n	3.1E+03	n					7.8E+01	n		1.6E-02	
				5.0E-04	I					1	0.1		Ethion	563-12-2	3.1E+01	n	3.1E+02	n					3.2E+00	n		6.3E-03	
				1.0E-01	P	6.0E-02	P			1	0.1		Ethoxyethanol Acetate, 2-	111-15-9	6.1E+03	n	6.2E+04	n	6.3E+01	n	2.6E+02	n	1.5E+03	n		3.2E-01	
				9.0E-02	P	2.0E-01	I			1	0.1		Ethoxyethanol, 2-	110-80-5	5.5E+03	n	5.5E+04	n	2.1E+02	n	8.8E+02	n	1.4E+03	n		2.8E-01	
				9.0E-01	I	7.0E-02	P	V		1		1.1E+04	Ethyl Acetate	141-78-6	6.7E+02	n	2.8E+03	n	7.3E+01	n	3.1E+02	n	1.4E+02	n		3.1E-02	
4.8E-02	H							V		1		2.5E+03	Ethyl Acrylate	140-88-5	1.3E+01	c	6.0E+01	c					1.4E+00	c		3.0E-04	
						1.0E+01	I	V		1		2.1E+03	Ethyl Chloride (Chloroethane)	75-00-3	1.5E+04	ns	6.1E+04	ns	1.0E+04	n	4.4E+04	n	2.1E+04	n		5.9E+00	
				2.0E-01	I			V		1		1.0E+04	Ethyl Ether	60-29-7	1.6E+04	ns	2.0E+05	nms					3.1E+03	n		6.8E-01	
				9.0E-02	H	3.0E-01	P	V		1		1.1E+03	Ethyl Methacrylate	97-63-2	1.5E+03	ns	7.5E+03	ns	3.1E+02	n	1.3E+03	n	4.2E+02	n		9.9E-02	
				1.0E-05	I					1	0.1		Ethyl-p-nitrophenyl Phosphonate	2104-64-5	6.1E-01	n	6.2E+00	n					6.6E-02	n		2.1E-03	
1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		1		4.8E+02	Ethylbenzene	100-41-4	5.4E+00	c	2.7E+01	c	9.7E-01	c	4.9E+00	c	1.3E+00	c	7.0E+02	1.5E-03	7.8E-01
				7.0E-02	P					1	0.1		Ethylene Cyanohydrin	109-78-4	4.3E+03	n	4.3E+04	n					1.1E+03	n		2.2E-01	
				9.0E-02	P					1	0.1		Ethylene Diamine	107-15-3	5.5E+03	n	5.5E+04	n					1.4E+03	n		3.2E-01	
				2.0E+00	I	4.0E-01	C			1	0.1		Ethylene Glycol	107-21-1	1.2E+05	nm	1.2E+06	nm	4.2E+02	n	1.8E+03	n	3.1E+04	n		6.3E+00	
				1.0E-01	I	1.6E+00	I			1	0.1		Ethylene Glycol Monobutyl Ether	111-76-2	6.1E+03	n	6.2E+04	n	1.7E+03	n	7.0E+03	n	1.5E+03	n		3.2E-01	
3.1E-01	C	8.8E-05	C			3.0E-02	C	V		1		1.2E+05	Ethylene Oxide	75-21-8	1.7E-01	c	8.3E-01	c	2.8E-02	c	1.4E-01	c	4.4E-02	c		9.1E-06	
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		Ethylene Thiourea	96-45-7	4.9E+00	n	3.8E+01	c**	1.9E-01	c	9.4E-01	c	1.2E+00	n		2.8E-04	
6.5E+01	C	1.9E-02	C					V		1	0.1	1.5E+05	Ethyleneimine	151-56-4	2.3E-03	c	1.0E-02	c	1.3E-04	c	6.5E-04	c	2.1E-04	c		4.5E-08	
				3.0E+00	I					1	0.1		Ethylphthalyl Ethyl Glycolate	84-72-0	1.8E+05	nm	1.8E+06	nm					4.5E+04	n		1.0E+02	
				8.0E-03	I					1	0.1		Express	101200-48-0	4.9E+02	n	4.9E+03	n					1.2E+02	n		4.7E-02	
				2.5E-04	I					1	0.1		Fenamiphos	22224-92-6	1.5E+01	n	1.5E+02	n					3.4E+00	n		3.3E-03	
				2.5E-02	I					1	0.1		Fenpropathrin	39515-41-8	1.5E+03	n	1.5E+04	n					4.6E+01	n		2.1E+00	
				1.3E-02	I					1	0.1		Fluometuron	2164-17-2	7.9E+02	n	8.0E+03	n					1.9E+02	n		1.4E-01	
				4.0E-02	C	1.3E-02	C			1			Fluoride	16984-48-8	3.1E+03	n	4.1E+04	n	1.4E+01	n	5.7E+01	n	6.2E+02	n		9.3E+01	
				6.0E-02	I	1.3E-02	C			1			Fluorine (Soluble Fluoride)	7782-41-4	4.7E+03	n	6.1E+04	n	1.4E+01	n	5.7E+01	n	9.3E+02	n	4.0E+03	1.4E+02	6.0E+02
				8.0E-02	I					1	0.1		Fluridone	59756-60-4	4.9E+03	n	4.9E+04	n					1.1E+03	n		1.3E+02	
				2.0E-02	I					1	0.1		Flurprimidol	56425-91-3	1.2E+03	n	1.2E+04	n					2.6E+02	n		1.2E+00	
				6.0E-02	I					1	0.1		Flutolanil	66332-96-5	3.7E+03	n	3.7E+04	n					7.2E+02	n		3.9E+00	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				1.0E-02	I					1	0.1		Fluvalinate	69409-94-5	6.1E+02	n	6.2E+03	n					1.6E+02	n		2.3E+02	
3.5E-03	I			1.0E-01	I					1	0.1		Folpet	133-07-3	1.4E+02	c*	4.9E+02	c					1.7E+01	c*		4.1E-03	
1.9E-01	I									1	0.1		Fomesafen	72178-02-0	2.6E+00	c	9.1E+00	c					3.4E-01	c		1.1E-03	
				2.0E-03	I					1	0.1		Fonofos	944-22-9	1.2E+02	n	1.2E+03	n					1.8E+01	n		3.5E-02	
		1.3E-05	I	2.0E-01	I	9.8E-03	A			1	0.1		Formaldehyde	50-00-0	1.2E+04	n	1.2E+05	nm	1.9E-01	c*	9.4E-01	c*	3.1E+03	n		6.2E-01	
				9.0E-01	P	3.0E-04	X			1	0.1		Formic Acid	64-18-6	4.9E+04	n	4.2E+05	nm	3.1E-01	n	1.3E+00	n	1.4E+04	n		2.8E+00	
				3.0E+00	I					1	0.1		Fosetyl-AL	39148-24-8	1.8E+05	nm	1.8E+06	nm					4.7E+04	n			
													Furans														
				1.0E-03	X			V		1			~Dibenzofuran	132-64-9	7.8E+01	n	1.0E+03	n					5.8E+00	n		1.1E-01	
				1.0E-03	I			V		1		6.2E+03	~Furan	110-00-9	7.8E+01	n	1.0E+03	n					1.5E+01	n		5.7E-03	
				9.0E-01	I	2.0E+00	I	V		1	0.1	1.7E+05	~Tetrahydrofuran	109-99-9	1.8E+04	n	9.5E+04	n	2.1E+03	n	8.8E+03	n	3.2E+03	n		7.1E-01	
3.8E+00	H									1	0.1		Furazolidone	67-45-8	1.3E-01	c	4.5E-01	c					1.8E-02	c		3.4E-05	
				3.0E-03	I	5.0E-02	H			1	0.1		Furfural	98-01-1	1.8E+02	n	1.8E+03	n	5.2E+01	n	2.2E+02	n	4.6E+01	n		9.9E-03	
1.5E+00	C	4.3E-04	C							1	0.1		Furium	531-82-8	3.2E-01	c	1.1E+00	c	5.7E-03	c	2.9E-02	c	4.4E-02	c		5.9E-05	
3.0E-02	I	8.6E-06	C							1	0.1		Furmecyclox	60568-05-0	1.6E+01	c	5.7E+01	c	2.8E-01	c	1.4E+00	c	9.6E-01	c		1.0E-03	
				4.0E-04	I					1	0.1		Glufosinate, Ammonium	77182-82-2	2.4E+01	n	2.5E+02	n					6.3E+00	n		1.4E-03	
						8.0E-05	C			1	0.1		Glutaraldehyde	111-30-8	1.1E+05	nm	4.8E+05	nm	8.3E-02	n	3.5E-01	n					
				4.0E-04	I	1.0E-03	H			1	0.1		Glycidyl	765-34-4	2.4E+01	n	2.5E+02	n	1.0E+00	n	4.4E+00	n	6.2E+00	n		1.3E-03	
				1.0E-01	I					1	0.1		Glyphosate	1071-83-6	6.1E+03	n	6.2E+04	n					1.6E+03	n	7.0E+02	6.9E+00	3.1E+00
				3.0E-03	I					1	0.1		Goal	42874-03-3	1.8E+02	n	1.8E+03	n					2.4E+01	n		1.9E+00	
				3.0E-03	A	1.0E-02	A			1	0.1		Guthion	86-50-0	1.8E+02	n	1.8E+03	n	1.0E+01	n	4.4E+01	n	4.3E+01	n		1.3E-02	
				5.0E-05	I					1	0.1		Haloxyfop, Methyl	69806-40-2	3.1E+00	n	3.1E+01	n					5.8E-01	n		6.4E-03	
				1.3E-02	I					1	0.1		Harmony	79277-27-3	7.9E+02	n	8.0E+03	n					2.0E+02	n		6.1E-02	
4.5E+00	I	1.3E-03	I	5.0E-04	I					1	0.1		Heptachlor	76-44-8	1.1E-01	c	3.8E-01	c	1.9E-03	c	9.4E-03	c	1.8E-03	c	4.0E-01	1.4E-04	3.3E-02
9.1E+00	I	2.6E-03	I	1.3E-05	I					1	0.1		Heptachlor Epoxide	1024-57-3	5.3E-02	c*	1.9E-01	c*	9.4E-04	c	4.7E-03	c	3.3E-03	c*	2.0E-01	6.8E-05	4.1E-03
				2.0E-03	I					1	0.1		Hexabromobenzene	87-82-1	1.2E+02	n	1.2E+03	n					3.1E+01	n		1.8E-01	
				2.0E-04	I					1	0.1		Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	1.2E+01	n	1.2E+02	n					3.1E+00	n			
1.6E+00	I	4.6E-04	I	8.0E-04	I					1	0.1		Hexachlorobenzene	118-74-1	3.0E-01	c	1.1E+00	c	5.3E-03	c	2.7E-02	c	4.2E-02	c	1.0E+00	5.3E-04	1.3E-02
7.8E-02	I	2.2E-05	I	1.0E-03	P					1	0.1		Hexachlorobutadiene	87-68-3	6.2E+00	c**	2.2E+01	c*	1.1E-01	c	5.6E-01	c	2.6E-01	c*		5.0E-04	
6.3E+00	I	1.8E-03	I	8.0E-03	A					1	0.1		Hexachlorocyclohexane, Alpha-	319-84-6	7.7E-02	c	2.7E-01	c	1.4E-03	c	6.8E-03	c	6.2E-03	c		3.6E-05	
1.8E+00	I	5.3E-04	I							1	0.1		Hexachlorocyclohexane, Beta-	319-85-7	2.7E-01	c	9.6E-01	c	4.6E-03	c	2.3E-02	c	2.2E-02	c		1.3E-04	
1.1E+00	C	3.1E-04	C	3.0E-04	I					1	0.04		Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	5.2E-01	c*	2.1E+00	c	7.8E-03	c	4.0E-02	c	3.6E-02	c*	2.0E-01	2.1E-04	1.2E-03
1.8E+00	I	5.1E-04	I							1	0.1		Hexachlorocyclohexane, Technical	608-73-1	2.7E-01	c	9.6E-01	c	4.8E-03	c	2.4E-02	c	2.2E-02	c		1.3E-04	
				6.0E-03	I	2.0E-04	I			1	0.1		Hexachlorocyclopentadiene	77-47-4	3.7E+02	n	3.7E+03	n	2.1E-01	n	8.8E-01	n	2.2E+01	n	5.0E+01	7.0E-02	1.6E-01
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I			1	0.1		Hexachloroethane	67-72-1	1.2E+01	c**	4.3E+01	c*	2.2E-01	c	1.1E+00	c	7.9E-01	c**		4.8E-04	
				3.0E-04	I					1	0.1		Hexachlorophene	70-30-4	1.8E+01	n	1.8E+02	n					4.7E+00	n		6.3E+00	
1.1E-01	I			3.0E-03	I					1	0.015		Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	5.6E+00	c*	2.4E+01	c					6.1E-01	c*		2.3E-04	
						1.0E-05	I	V		1		5.2E+03	Hexamethylene Diisocyanate, 1,6-	822-06-0	3.4E+00	n	1.4E+01	n	1.0E-02	n	4.4E-02	n	2.1E-02	n		2.1E-04	
				4.0E-04	P					1	0.1		Hexamethylphosphoramide	680-31-9	2.4E+01	n	2.5E+02	n					6.2E+00	n		1.4E-03	
				6.0E-02	H	7.0E-01	I	V		1		1.4E+02	Hexane, N-	110-54-3	5.7E+02	ns	2.6E+03	ns	7.3E+02	n	3.1E+03	n	2.5E+02	n		1.8E+00	
				2.0E+00	P					1	0.1		Hexanedioic Acid	124-04-9	1.2E+05	nm	1.2E+06	nm					3.1E+04	n		7.7E+00	
				5.0E-03	I	3.0E-02	I	V		1		3.3E+03	Hexanone, 2-	591-78-6	2.1E+02	n	1.4E+03	n	3.1E+01	n	1.3E+02	n	3.4E+01	n		7.9E-03	
				3.3E-02	I					1	0.1		Hexazinone	51235-04-2	2.0E+03	n	2.0E+04	n					5.0E+02	n		2.3E-01	
3.0E+00	I	4.9E-03	I			3.0E-05	P			1			Hydrazine	302-01-2	2.1E-01	c	9.5E-01	c	5.0E-04	c*	2.5E-03	c*	2.2E-02	c			
3.0E+00	I	4.9E-03	I							1			Hydrazine Sulfate	10034-93-2	2.1E-01	c	9.5E-01	c	5.0E-04	c	2.5E-03	c	2.2E-02	c			
						2.0E-02	I			1			Hydrogen Chloride	7647-01-0	2.8E+07	nm	1.2E+08	nm	2.1E+01	n	8.8E+01	n					
				4.0E-02	C	1.4E-02	C			1			Hydrogen Fluoride	7664-39-3	3.1E+03	n	4.1E+04	n	1.5E+01	n	6.1E+01	n	6.2E+02	n			
						2.0E-03	I			1			Hydrogen Sulfide	7783-06-4	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n					
6.0E-02	P			4.0E-02	P					1	0.1		Hydroquinone	123-31-9	8.1E+00	c	2.9E+01	c					1.1E+00	c		7.5E-04	
				1.3E-02	I					1	0.1		Imazalil	35554-44-0	7.9E+02	n	8.0E+03	n					1.4E+02	n		2.5E+00	
				2.5E-01	I					1	0.1		Imazaquin	81335-37-7	1.5E+04	n	1.5E+05	nm					3.8E+03	n		1.9E+01	
				1.0E-02	A					1			Iodine	7553-56-2	7.8E+02	n	1.0E+04	n					1.6E+02	n		9.4E+00	
				4.0E-02	I					1	0.1		Iprodione	36734-19-7	2.4E+03	n	2.5E+04	n					5.7E+02	n		1.7E-01	
				7.0E-01	P					1			Iron	7439-89-6	5.5E+04	n	7.2E+05	nm					1.1E+04	n		2.7E+02	
				3.0E-01	I					1	0.1		Isobutyl Alcohol	78-83-1	1.8E+04	n	1.8E+05	nm					4.6E+03	n		9.5E-01	
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		Isophorone	78-59-1	5.1E+02	c*	1.8E+03	c*	2.1E+03	n	8.8E+03	n	6.7E+01	c*		2.2E-02	
				1.5E-02	I					1	0.1		Isopropalin	33820-53-0	9.2E+02	n	9.2E+03	n					2.9E+01	n		6.6E-01	
						7.0E+00	C			1	0.1		Isopropanol	67-63-0	9.9E+09	nm	4.2E+10	nm	7.3E+03	n	3.1E+04	n					
				1.0E-01	I					1	0.1		Isopropyl Methyl Phosphonic Acid	1832-54-8	6.1E+03	n	6.2E+04	n					1.6E+03	n		3.4E-01	
				5.0E-02	I					1	0.1		Isoxaben	82558-50-7	3.1E+03	n	3.1E+04	n					5.6E+02	n		1.5E+00	
						3.0E-01	A	V		1			JP-7	NA	4.3E+08	nm	1.8E+09	nm	3.1E+02	n	1.3E+03	n	6.3E+02	n			
				7.5E-02	I					1	0.1		Kerb	23950-58-5	4.6E+03	n	4.6E+04	n					9.0E+02	n		9.1E-01	
				2.0E-03	I					1	0.1		Lactofen	77501-63-4	1.2E+02	n	1.2E+03	n					1.9E+01	n		8.7E-01	
													Lead Compounds														
2.8E-01	C	8.0E-05	C							1	0.1		~Lead acetate	301-04-2	1.7E+00	c	6.2E+00	c	3.0E-02	c	1.5E-01	c	2.4E-01	c			

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Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
										1			~Lead and Compounds	7439-92-1	4.0E+02	L	8.0E+02	L	1.5E-01	L		L		L	1.5E+01		1.4E+01
3.8E-02	C	1.1E-05	C							1	0.1		~Lead subacetate	1335-32-6	1.3E+01	c	4.5E+01	c	2.2E-01	c	1.1E+00	c	1.8E+00	c			
				1.0E-07	I					1	0.1		~Tetraethyl Lead	78-00-2	6.1E-03	n	6.2E-02	n					9.9E-04	n		3.5E-06	
				2.0E-03	I					1	0.1		Linuron	330-55-2	1.2E+02	n	1.2E+03	n					2.6E+01	n		2.3E-02	
				2.0E-03	P					1			Lithium	7439-93-2	1.6E+02	n	2.0E+03	n					3.1E+01	n		9.3E+00	
				2.0E-01	I					1	0.1		Londax	83055-99-6	1.2E+04	n	1.2E+05	nm					3.1E+03	n		7.9E-01	
				5.0E-04	I					1	0.1		MCPA	94-74-6	3.1E+01	n	3.1E+02	n					5.7E+00	n		1.5E-03	
				1.0E-02	I					1	0.1		MCPB	94-81-5	6.1E+02	n	6.2E+03	n					1.1E+02	n		4.4E-02	
				1.0E-03	I					1	0.1		MCPP	93-65-2	6.1E+01	n	6.2E+02	n					1.2E+01	n		3.5E-03	
				2.0E-02	I					1	0.1		Malathion	121-75-5	1.2E+03	n	1.2E+04	n					3.0E+02	n		7.9E-02	
				1.0E-01	I	7.0E-04	C			1	0.1		Maleic Anhydride	108-31-6	6.1E+03	n	6.1E+04	n	7.3E-01	n	3.1E+00	n	1.5E+03	n		3.0E-01	
				5.0E-01	I					1	0.1		Maleic Hydrazide	123-33-1	3.1E+04	n	3.1E+05	nm					7.8E+03	n		1.6E+00	
				1.0E-04	P					1	0.1		Malononitrile	109-77-3	6.1E+00	n	6.2E+01	n					1.6E+00	n		3.2E-04	
				3.0E-02	H					1	0.1		Mancozeb	8018-01-7	1.8E+03	n	1.8E+04	n					4.6E+02	n		6.5E-01	
				5.0E-03	I					1	0.1		Maneb	12427-38-2	3.1E+02	n	3.1E+03	n					7.7E+01	n		1.1E-01	
				1.4E-01	I	5.0E-05	I			1			Manganese (Diet)	7439-96-5													
				2.4E-02	S	5.0E-05	I			0.04			Manganese (Non-diet)	7439-96-5	1.8E+03	n	2.3E+04	n	5.2E-02	n	2.2E-01	n	3.2E+02	n		2.1E+01	
				9.0E-05	H					1	0.1		Mephosfolan	950-10-7	5.5E+00	n	5.5E+01	n					1.4E+00	n		2.1E-03	
				3.0E-02	I					1	0.1		Mepiquat Chloride	24307-26-4	1.8E+03	n	1.8E+04	n					4.7E+02	n		1.6E-01	
													Mercury Compounds														
				3.0E-04	I	3.0E-04	S			0.07			~Mercuric Chloride (and other Mercury salts)	7487-94-7	2.3E+01	n	3.1E+02	n	3.1E-01	n	1.3E+00	n	4.3E+00	n	2.0E+00		
						3.0E-04	I	V		1		3.1E+00	~Mercury (elemental)	7439-97-6	1.0E+01	ns	4.3E+01	ns	3.1E-01	n	1.3E+00	n	6.3E-01	n	2.0E+00	3.3E-02	1.0E-01
				1.0E-04	I					1			~Methyl Mercury	22967-92-6	7.8E+00	n	1.0E+02	n					1.6E+00	n			
				8.0E-05	I					1	0.1		~Phenylmercuric Acetate	62-38-4	4.9E+00	n	4.9E+01	n					1.2E+00	n		3.9E-04	
				3.0E-05	I					1	0.1		Merphos	150-50-5	1.8E+00	n	1.8E+01	n					4.7E-01	n		4.6E-02	
				3.0E-05	I					1	0.1		Merphos Oxide	78-48-8	1.8E+00	n	1.8E+01	n					6.1E-02	n		3.0E-04	
				6.0E-02	I					1	0.1		Metalaxyl	57837-19-1	3.7E+03	n	3.7E+04	n					9.2E+02	n		2.5E-01	
				1.0E-04	I	3.0E-02	P	V		1		4.6E+03	Methacrylonitrile	126-98-7	7.6E+00	n	9.2E+01	n	3.1E+01	n	1.3E+02	n	1.5E+00	n		3.4E-04	
				5.0E-05	I					1	0.1		Methamidophos	10265-92-6	3.1E+00	n	3.1E+01	n					7.8E-01	n		1.6E-04	
				2.0E+00	I	2.0E+01	I			1	0.1		Methanol	67-56-1	1.2E+05	nm	1.2E+06	nm	2.1E+04	n	8.8E+04	n	3.1E+04	n		6.3E+00	
				1.0E-03	I					1	0.1		Methidathion	950-37-8	6.1E+01	n	6.2E+02	n					1.5E+01	n		3.7E-03	
				2.5E-02	I					1	0.1		Methomyl	16752-77-5	1.5E+03	n	1.5E+04	n					3.9E+02	n		8.5E-02	
4.9E-02	C	1.4E-05	C							1	0.1		Methoxy-5-nitroaniline, 2-	99-59-2	9.9E+00	c	3.5E+01	c	1.7E-01	c	8.8E-01	c	1.3E+00	c		4.6E-04	
				5.0E-03	I					1	0.1		Methoxychlor	72-43-5	3.1E+02	n	3.1E+03	n					2.7E+01	n	4.0E+01	1.5E+00	2.2E+00
				8.0E-03	P	1.0E-03	P			1	0.1		Methoxyethanol Acetate, 2-	110-49-6	4.9E+02	n	4.9E+03	n	1.0E+00	n	4.4E+00	n	1.2E+02	n		2.6E-02	
				5.0E-03	P	2.0E-02	I			1	0.1		Methoxyethanol, 2-	109-86-4	3.1E+02	n	3.1E+03	n	2.1E+01	n	8.8E+01	n	7.8E+01	n		1.6E-02	
				1.0E+00	X			V		1		2.9E+04	Methyl Acetate	79-20-9	7.8E+04	ns	1.0E+06	nms					1.6E+04	n		3.2E+00	
				3.0E-02	H	2.0E-02	P	V		1		6.8E+03	Methyl Acrylate	96-33-3	1.5E+02	n	6.4E+02	n	2.1E+01	n	8.8E+01	n	3.8E+01	n		8.1E-03	
				6.0E-01	I	5.0E+00	I	V		1		2.8E+04	Methyl Ethyl Ketone (2-Butanone)	78-93-3	2.8E+04	n	2.0E+05	nms	5.2E+03	n	2.2E+04	n	4.9E+03	n		1.0E+00	
		1.0E-03	X	1.0E-03	P	2.0E-05	X			1	0.1		Methyl Hydrazine	60-34-4	6.1E+01	n	6.1E+02	n	2.4E-03	c**	1.2E-02	c**	1.6E+01	n		3.5E-03	
				8.0E-02	H	3.0E+00	I	V		1		3.4E+03	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	5.3E+03	ns	5.3E+04	ns	3.1E+03	n	1.3E+04	n	1.0E+03	n		2.3E-01	
						1.0E-03	C	V		1	0.1	1.7E+04	Methyl Isocyanate	624-83-9	5.0E+00	n	2.1E+01	n	1.0E+00	n	4.4E+00	n	2.1E+00	n		5.9E-04	
				1.4E+00	I	7.0E-01	I	V		1		2.4E+03	Methyl Methacrylate	80-62-6	4.8E+03	ns	2.1E+04	ns	7.3E+02	n	3.1E+03	n	1.4E+03	n		3.0E-01	
				2.5E-04	I					1	0.1		Methyl Parathion	298-00-0	1.5E+01	n	1.5E+02	n					3.4E+00	n		5.7E-03	
				6.0E-02	X					1	0.1		Methyl Phosphonic Acid	993-13-5	3.7E+03	n	3.7E+04	n					9.4E+02	n		1.9E-01	
				6.0E-03	H	4.0E-02	H	V		1		3.9E+02	Methyl Styrene (Mixed Isomers)	25013-15-4	2.4E+02	n	1.5E+03	ns	4.2E+01	n	1.8E+02	n	3.2E+01	n		5.2E-02	
9.9E-02	C	2.8E-05	C							1	0.1		Methyl methanesulfonate	66-27-3	4.9E+00	c	1.7E+01	c	8.7E-02	c	4.4E-01	c	6.8E-01	c		1.4E-04	
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1		8.9E+03	Methyl tert-Butyl Ether (MTBE)	1634-04-4	4.3E+01	c	2.2E+02	c	9.4E+00	c	4.7E+01	c	1.2E+01	c		2.8E-03	
				3.0E-04	X					1	0.1		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	1.8E+01	n	1.8E+02	n					4.7E+00	n		2.8E-03	
9.0E-03	P			2.0E-02	X					1	0.1		Methyl-5-Nitroaniline, 2-	99-55-8	5.4E+01	c*	1.9E+02	c*					7.0E+00	c*		3.9E-03	
8.3E+00	C	2.4E-03	C							1	0.1		Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	5.9E-02	c	2.1E-01	c	1.0E-03	c	5.1E-03	c	8.1E-03	c		2.8E-06	
1.3E-01	C	3.7E-05	C							1	0.1		Methylaniline Hydrochloride, 2-	636-21-5	3.7E+00	c	1.3E+01	c	6.6E-02	c	3.3E-01	c	5.0E-01	c		2.1E-04	
				1.0E-02	A					1	0.1		Methylarsonic acid	124-58-3	6.1E+02	n	6.2E+03	n					1.6E+02	n			
				2.0E-04	X					1	0.1		Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	1.2E+01	n	1.2E+02	n					3.1E+00	n			
1.0E-01	X			3.0E-04	X					1	0.1		Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	4.9E+00	c**	1.7E+01	c*					6.7E-01	c**			
2.2E+01	C	6.3E-03	C						M	1	0.1		Methylcholanthrene, 3-	56-49-5	5.2E-03	c	7.8E-02	c	1.5E-04	c	1.9E-03	c	9.8E-04	c		1.9E-03	
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	1		3.3E+03	Methylene Chloride	75-09-2	5.6E+01	c**	9.6E+02	c**	9.6E+01	c**	1.2E+03	c**	9.9E+00	c**	5.0E+00	2.5E-03	1.3E-03
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	1	0.1		Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.2E+00	c	1.7E+01	c*	2.2E-03	c	2.9E-02	c	1.4E-01	c		1.6E-03	
4.6E-02	I	1.3E-05	C							1	0.1		Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.1E+01	c	3.7E+01	c	1.9E-01	c	9.4E-01	c	4.1E-01	c		2.3E-03	
1.6E+00	C	4.6E-04	C			2.0E-02	C			1	0.1		Methylenebisbenzenamine, 4,4'-	101-77-9	3.0E-01	c	1.1E+00	c	5.3E-03	c	2.7E-02	c	4.1E-02	c		1.8E-04	
						6.0E-04	I			1	0.1		Methylenediphenyl Diisocyanate	101-68-8	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n					
				7.0E-02	H			V		1		5.0E+02	Methylstyrene, Alpha-	98-83-9	5.5E+03	ns	7.2E+04	ns					5.8E+02	n		9.3E-01	
				1.5E-01	I					1	0.1		Metolachlor	51218-45-2	9.2E+03	n	9.2E+04	n					2.1E+03	n		2.5E+00	
				2.5E-02	I					1	0.1		Metribuzin	21087-64-9	1.5E+03	n	1.5E+04	n					3.8E+02	n		1.2E-01	
				3.0E+00	P			V		1	0.1	3.4E-01	Mineral oils	8012-95-1	1.8E+05	nms	1.8E+06	nms					4.7E+04	n		1.9E+03	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels										Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.8E+01	C	5.1E-03	C	2.0E-04	I					1	0.1		Mirex	2385-85-5	2.7E-02	c	9.6E-02	c	4.8E-04	c	2.4E-03	c	3.7E-03	c		2.7E-03	
				2.0E-03	I					1	0.1		Molinate	2212-67-1	1.2E+02	n	1.2E+03	n					2.3E+01	n		1.3E-02	
				5.0E-03	I					1			Molybdenum	7439-98-7	3.9E+02	n	5.1E+03	n					7.8E+01	n		1.6E+00	
				1.0E-01	I					1			Monochloramine	10599-90-3	7.8E+03	n	1.0E+05	nm					1.6E+03	n	4.0E+03		
				2.0E-03	P					1	0.1		Monomethylaniline	100-61-8	1.2E+02	n	1.2E+03	n					3.0E+01	n		1.1E-02	
				3.0E-04	X					1	0.1		N,N'-Diphenyl-1,4-benzenediamine	74-31-7	1.8E+01	n	1.8E+02	n					2.7E+00	n		2.8E-01	
				2.0E-03	I					1	0.1		Naled	300-76-5	1.2E+02	n	1.2E+03	n					3.1E+01	n		1.4E-02	
				3.0E-02	X	1.0E-01	P	V		1			Naphtha, High Flash Aromatic (HFAN)	64724-95-6	2.3E+03	n	3.1E+04	n	1.0E+02	n	4.4E+02	n	1.4E+02	n			
1.8E+00	C	0.0E+00	C							1	0.1		Naphthylamine, 2-	91-59-8	2.7E-01	c	9.6E-01	c					3.3E-02	c		1.7E-04	
				1.0E-01	I					1	0.1		Napropamide	15299-99-7	6.1E+03	n	6.2E+04	n					1.3E+03	n		8.3E+00	
				1.1E-02	C	1.4E-05	C			0.04			Nickel Carbonyl	13463-39-3	8.2E+02	n	9.9E+03	n	1.5E-02	n	6.1E-02	n	1.5E+02	n			
				1.1E-02	C	2.0E-05	C			1			Nickel Oxide	1313-99-1	8.4E+02	n	1.0E+04	n	2.1E-02	n	8.8E-02	n	1.7E+02	n			
		2.4E-04	I	1.1E-02	C	1.4E-05	C			0.04			Nickel Refinery Dust	NA	8.2E+02	n	9.9E+03	n	1.0E-02	c**	5.1E-02	c**	1.7E+02	n		2.5E+01	
		2.6E-04	C	2.0E-02	I	9.0E-05	A			0.04			Nickel Soluble Salts	7440-02-0	1.5E+03	n	2.0E+04	n	9.4E-03	c*	4.7E-02	c**	3.0E+02	n		2.0E+01	
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			0.04			Nickel Subsulfide	12035-72-2	3.8E-01	c	1.7E+00	c	5.1E-03	c**	2.6E-02	c**	3.9E-02	c			
				1.6E+00	I					1			Nitrate	14797-55-8	1.3E+05	nm	1.6E+06	nm					2.5E+04	n	1.0E+04		
										1			Nitrate + Nitrite (as N)	NA											1.0E+04		
				1.0E-01	I					1			Nitrite	14797-65-0	7.8E+03	n	1.0E+05	nm					1.6E+03	n	1.0E+03		
				1.0E-02	X	5.0E-05	X			1	0.1		Nitroaniline, 2-	88-74-4	6.1E+02	n	6.0E+03	n	5.2E-02	n	2.2E-01	n	1.5E+02	n		6.2E-02	
2.0E-02	P			4.0E-03	P	6.0E-03	P			1	0.1		Nitroaniline, 4-	100-01-6	2.4E+01	c*	8.6E+01	c*	6.3E+00	n	2.6E+01	n	3.3E+00	c*		1.4E-03	
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		1		3.1E+03	Nitrobenzene	98-95-3	4.8E+00	c*	2.4E+01	c*	6.1E-02	c	3.1E-01	c	1.2E-01	c*		7.9E-05	
				3.0E+03	P					1	0.1		Nitrocellulose	9004-70-0	1.8E+08	nm	1.8E+09	nm					4.7E+07	n		1.0E+04	
				7.0E-02	H					1	0.1		Nitrofurantoin	67-20-9	4.3E+03	n	4.3E+04	n					1.1E+03	n		4.7E-01	
1.3E+00	C	3.7E-04	C							1	0.1		*Nitrofurazone*	59-87-0	3.7E-01	c	1.3E+00	c	6.6E-03	c	3.3E-02	c	5.2E-02	c		4.6E-05	
1.7E-02	P			1.0E-04	P					1	0.1		Nitroglycerin	55-63-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		6.6E-04	
				1.0E-01	I					1	0.1		Nitroguanidine	556-88-7	6.1E+03	n	6.2E+04	n					1.6E+03	n		3.8E-01	
		8.8E-06	P			5.0E-03	P	V		1		1.8E+04	Nitromethane	75-52-5	5.0E+00	c*	2.5E+01	c*	2.8E-01	c*	1.4E+00	c*	5.5E-01	c*		1.2E-04	
		2.7E-03	H			2.0E-02	I	V		1		4.9E+03	Nitropropane, 2-	79-46-9	1.3E-02	c	6.4E-02	c	9.0E-04	c	4.5E-03	c	1.8E-03	c		4.7E-07	
2.7E+01	C	7.7E-03	C						M	1	0.1		Nitroso-N-ethylurea, N-	759-73-9	4.3E-03	c	6.4E-02	c	1.2E-04	c	1.6E-03	c	7.9E-04	c		1.9E-07	
1.2E+02	C	3.4E-02	C						M	1	0.1		Nitroso-N-methylurea, N-	684-93-5	9.6E-04	c	1.4E-02	c	2.8E-05	c	3.6E-04	c	1.8E-04	c		4.0E-08	
5.4E+00	I	1.6E-03	I					V		1			Nitroso-di-N-butylamine, N-	924-16-3	8.7E-02	c	4.0E-01	c	1.5E-03	c	7.7E-03	c	2.4E-03	c		4.8E-06	
7.0E+00	I	2.0E-03	C							1	0.1		Nitroso-di-N-propylamine, N-	621-64-7	6.9E-02	c	2.5E-01	c	1.2E-03	c	6.1E-03	c	9.3E-03	c		7.0E-06	
2.8E+00	I	8.0E-04	C							1	0.1		Nitrosodiethanolamine, N-	1116-54-7	1.7E-01	c	6.2E-01	c	3.0E-03	c	1.5E-02	c	2.4E-02	c		4.8E-06	
1.5E+02	I	4.3E-02	I						M	1	0.1		Nitrosodiethylamine, N-	55-18-5	7.7E-04	c	1.1E-02	c	2.2E-05	c	2.9E-04	c	1.4E-04	c		5.2E-08	
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X		M	1	0.1		Nitrosodimethylamine, N-	62-75-9	2.3E-03	c	3.4E-02	c	6.9E-05	c	8.8E-04	c	4.2E-04	c		1.0E-07	
4.9E-03	I	2.6E-06	C							1	0.1		Nitrosodiphenylamine, N-	86-30-6	9.9E+01	c	3.5E+02	c	9.4E-01	c	4.7E+00	c	1.0E+01	c		5.7E-02	
2.2E+01	I	6.3E-03	C							1	0.1		Nitrosodipropylamine, N-	10595-95-6	2.2E-02	c	7.8E-02	c	3.9E-04	c	1.9E-03	c	3.0E-03	c		8.7E-07	
6.7E+00	C	1.9E-03	C							1	0.1		Nitrosomorpholine [N-]	59-89-2	7.3E-02	c	2.6E-01	c	1.3E-03	c	6.5E-03	c	1.0E-02	c		2.5E-06	
9.4E+00	C	2.7E-03	C							1	0.1		Nitrosopiperidine [N-]	100-75-4	5.2E-02	c	1.8E-01	c	9.0E-04	c	4.5E-03	c	7.1E-03	c		3.8E-06	
2.1E+00	I	6.1E-04	I							1	0.1		Nitrosopyrrolidine, N-	930-55-2	2.3E-01	c	8.2E-01	c	4.0E-03	c	2.0E-02	c	3.2E-02	c		1.2E-05	
				1.0E-04	X					1	0.1		Nitrotoluene, m-	99-08-1	6.1E+00	n	6.2E+01	n					1.3E+00	n		1.2E-03	
2.2E-01	P			9.0E-04	P			V		1		1.5E+03	Nitrotoluene, o-	88-72-2	2.9E+00	c*	1.3E+01	c*					2.7E-01	c*		2.5E-04	
1.6E-02	P			4.0E-03	P					1	0.1		Nitrotoluene, p-	99-99-0	3.0E+01	c**	1.1E+02	c*					3.7E+00	c*		3.4E-03	
				3.0E-04	X	2.0E-02	P	V		1		6.9E+00	Nonane, n-	111-84-2	1.2E+01	ns	7.4E+01	ns	2.1E+01	n	8.8E+01	n	4.2E+00	n		6.0E-02	
				4.0E-02	I					1	0.1		Norflurazon	27314-13-2	2.4E+03	n	2.5E+04	n					6.0E+02	n		3.9E+00	
				7.0E-04	I					1	0.1		Nustar	85509-19-9	4.3E+01	n	4.3E+02	n					8.3E+00	n		1.4E+00	
				3.0E-03	I					1	0.1		Octabromodiphenyl Ether	32536-52-0	1.8E+02	n	1.8E+03	n					4.7E+01	n		9.3E+00	
				5.0E-02	I					1	0.006		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	3.8E+03	n	4.9E+04	n					7.8E+02	n		9.9E-01	
				2.0E-03	H					1	0.1		Octamethylpyrophosphoramide	152-16-9	1.2E+02	n	1.2E+03	n					3.1E+01	n		7.5E-03	
				5.0E-02	I					1	0.1		Oryzalin	19044-88-3	3.1E+03	n	3.1E+04	n					6.2E+02	n		1.1E+00	
				5.0E-03	I					1	0.1		Oxadiazon	19666-30-9	3.1E+02	n	3.1E+03	n					3.5E+01	n		3.6E-01	
				2.5E-02	I					1	0.1		Oxamyl	23135-22-0	1.5E+03	n	1.5E+04	n					3.9E+02	n	2.0E+02	8.6E-02	4.4E-02
				1.3E-02	I					1	0.1		Paclobutrazol	76738-62-0	7.9E+02	n	8.0E+03	n					1.7E+02	n		3.6E-01	
				4.5E-03	I					1	0.1		Paraquat Dichloride	1910-42-5	2.7E+02	n	2.8E+03	n					7.0E+01	n		9.7E-01	
				6.0E-03	H					1	0.1		Parathion	56-38-2	3.7E+02	n	3.7E+03	n					6.5E+01	n		3.3E-01	
				5.0E-02	H					1	0.1		Pebulate	1114-71-2	3.1E+03	n	3.1E+04	n					4.2E+02	n		3.3E-01	
				4.0E-02	I					1	0.1		Pendimethalin	40487-42-1	2.4E+03	n	2.5E+04	n					1.3E+02	n		1.5E+00	
				2.0E-03	I					1	0.1		Pentabromodiphenyl Ether	32534-81-9	1.2E+02	n	1.2E+03	n					3.1E+01	n		1.4E+00	
				1.0E-04	I					1	0.1		Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	6.1E+00	n	6.2E+01	n					1.6E+00	n		6.8E-02	
				8.0E-04	I					1	0.1		Pentachlorobenzene	608-93-5	4.9E+01	n	4.9E+02	n					2.3E+00	n		1.7E-02	
9.0E-02	P									1	0.1		Pentachloroethane	76-01-7	5.4E+00	c	1.9E+01	c					5.6E-01	c		2.7E-04	
2.6E-01	H			3.0E-03	I					1	0.1		Pentachloronitrobenzene	82-68-8	1.9E+00	c*	6.6E+00	c					1.0E-01	c		1.3E-03	
4.0E-01	I	5.1E-06	C	5.0E-03	I					1	0.25		Pentachlorophenol	87-86-5	8.9E-01	c	2.7E+00	c	4.8E-01	c	2.4E+00	c	3.5E-02	c	1.0E+00	3.6E-04	1.0E-02
4.0E-03	X			2.0E-03	P					1	0.1		Pentaerythritol tetranitrate (PETN)	78-11-5	1.2E+02	c**	4.3E+02	c**					1.6E+01	c**		2.4E-02	
						1.0E+00	P	V		1		3.9E+02	Pentane, n-	109-66-0	8.7E+02	ns	3.7E+03	ns	1.0E+03	n	4.4E+03	n	2.1E+03	n		1.0E+01	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information												Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
													Perchlorates														
				7.0E-04	I					1			~Ammonium Perchlorate	7790-98-9	5.5E+01	n	7.2E+02	n					1.1E+01	n			
				7.0E-04	I					1			~Lithium Perchlorate	7791-03-9	5.5E+01	n	7.2E+02	n					1.1E+01	n			
				7.0E-04	I					1			~Perchlorate and Perchlorate Salts	14797-73-0	5.5E+01	n	7.2E+02	n					1.1E+01	n	1.5E+01(F)		
				7.0E-04	I					1			~Potassium Perchlorate	7778-74-7	5.5E+01	n	7.2E+02	n					1.1E+01	n			
				7.0E-04	I					1			~Sodium Perchlorate	7601-89-0	5.5E+01	n	7.2E+02	n					1.1E+01	n			
				5.0E-02	I					1	0.1		Permethrin	52645-53-1	3.1E+03	n	3.1E+04	n					7.8E+02	n		1.9E+02	
2.2E-03	C	6.3E-07	C							1	0.1		Phenacetin	62-44-2	2.2E+02	c	7.8E+02	c	3.9E+00	c	1.9E+01	c	3.0E+01	c		8.3E-03	
				2.5E-01	I					1	0.1		Phenmedipham	13684-63-4	1.5E+04	n	1.5E+05	nm					3.0E+03	n		1.6E+01	
				3.0E-01	I	2.0E-01	C			1	0.1		Phenol	108-95-2	1.8E+04	n	1.8E+05	nm	2.1E+02	n	8.8E+02	n	4.5E+03	n		2.6E+00	
				5.0E-04	X					1	0.1		Phenothiazine	92-84-2	3.1E+01	n	3.1E+02	n					3.2E+00	n		1.0E-02	
				6.0E-03	I					1	0.1		Phenylenediamine, m-	108-45-2	3.7E+02	n	3.7E+03	n					9.4E+01	n		2.5E-02	
4.7E-02	H									1	0.1		Phenylenediamine, o-	95-54-5	1.0E+01	c	3.7E+01	c					1.4E+00	c		3.8E-04	
				1.9E-01	H					1	0.1		Phenylenediamine, p-	106-50-3	1.2E+04	n	1.2E+05	nm					3.0E+03	n		7.9E-01	
1.9E-03	H									1	0.1		Phenylphenol, 2-	90-43-7	2.5E+02	c	8.9E+02	c					2.6E+01	c		3.5E-01	
				2.0E-04	H					1	0.1		Phorate	298-02-2	1.2E+01	n	1.2E+02	n					2.3E+00	n		2.6E-03	
						3.0E-04	I	V		1		1.6E+03	Phosgene	75-44-5	3.3E-01	n	1.4E+00	n	3.1E-01	n	1.3E+00	n					
				2.0E-02	I					1	0.1		Phosmet	732-11-6	1.2E+03	n	1.2E+04	n					2.9E+02	n		6.4E-02	
													Phosphates, Inorganic														
				4.9E+01	P					1			~Aluminum metaphosphate	13776-88-0	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Ammonium polyphosphate	68333-79-9	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Calcium pyrophosphate	7790-76-3	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Diammonium phosphate	7783-28-0	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Dicalcium phosphate	7757-93-9	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Dimagnesium phosphate	7782-75-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Dipotassium phosphate	7758-11-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Disodium phosphate	7558-79-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monoaluminum phosphate	13530-50-2	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monoammonium phosphate	7722-76-1	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monocalcium phosphate	7758-23-8	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monomagnesium phosphate	7757-86-0	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monopotassium phosphate	7778-77-0	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Monosodium phosphate	7558-80-7	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Polyphosphoric acid	8017-16-1	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Potassium tripolyphosphate	13845-36-8	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium acid pyrophosphate	7758-16-9	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium aluminum phosphate (acidic)	7785-88-8	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium aluminum phosphate (anhydrous)	10279-59-1	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium aluminum phosphate (tetrahydrate)	10305-76-7	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium hexametaphosphate	10124-56-8	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium polyphosphate	68915-31-1	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium trimetaphosphate	7785-84-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Sodium tripolyphosphate	7758-29-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Tetrapotassium phosphate	7320-34-5	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Tetrasodium pyrophosphate	7722-88-5	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Tricalcium phosphate	7758-87-4	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Trimagnesium phosphate	7757-87-1	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Tripotassium phosphate	7778-53-2	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				4.9E+01	P					1			~Trisodium phosphate	7601-54-9	3.8E+06	nm	5.0E+07	nm					7.6E+05	n			
				3.0E-04	I	3.0E-04	I			1			Phosphine	7803-51-2	2.3E+01	n	3.1E+02	n	3.1E-01	n	1.3E+00	n	4.7E+00	n			
				4.9E+01	P	1.0E-02	I			1			Phosphoric Acid	7664-38-2	3.0E+06	nm	2.7E+07	nm	1.0E+01	n	4.4E+01	n	7.6E+05	n			
				2.0E-05	I					1			Phosphorus, White	7723-14-0	1.6E+00	n	2.0E+01	n					3.1E-01	n		1.1E-03	
													Phthalates														
1.4E-02	I	2.4E-06	C	2.0E-02	I					1	0.1		~Bis(2-ethylhexyl)phthalate	117-81-7	3.5E+01	c*	1.2E+02	c	1.0E+00	c	5.1E+00	c	4.8E+00	c*	6.0E+00	1.1E+00	1.4E+00
				1.0E+00	I					1	0.1		~Butylphthalyl Butylglycolate	85-70-1	6.1E+04	n	6.2E+05	nm					1.0E+04	n		2.3E+02	
				1.0E-01	I					1	0.1		~Dibutyl Phthalate	84-74-2	6.1E+03	n	6.2E+04	n					6.7E+02	n		1.7E+00	
				8.0E-01	I					1	0.1		~Diethyl Phthalate	84-66-2	4.9E+04	n	4.9E+05	nm					1.1E+04	n		4.7E+00	
				1.0E-01	I			V		1			~Dimethylterephthalate	120-61-6	7.8E+03	n	1.0E+05	nm					1.4E+03	n		3.8E-01	
				1.0E-02	P					1	0.1		~Octyl Phthalate, di-N-	117-84-0	6.1E+02	n	6.2E+03	n					1.6E+02	n		4.4E+01	
				1.0E+00	H					1	0.1		~Phthalic Acid, P-	100-21-0	6.1E+04	n	6.2E+05	nm					1.5E+04	n		5.3E+00	
				2.0E+00	I	2.0E-02	C			1	0.1		~Phthalic Anhydride	85-44-9	1.2E+05	nm	1.2E+06	nm	2.1E+01	n	8.8E+01	n	3.0E+04	n		6.6E+00	
				7.0E-02	I					1	0.1		Picloram	1918-02-1	4.3E+03	n	4.3E+04	n					1.1E+03	n	5.0E+02	2.9E-01	1.4E-01
				1.0E-04	X					1	0.1		Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.0E-03	
				1.0E-02	I					1	0.1		Pirimiphos, Methyl	29232-93-7	6.1E+02	n	6.2E+03	n					9.1E+01	n		8.7E-02	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information												Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
3.0E+01	C	8.6E-03	C	7.0E-06	H					1	0.1		Polybrominated Biphenyls	59536-65-1	1.6E-02	c*	5.7E-02	c*	2.8E-04	c	1.4E-03	c	2.2E-03	c*			
													Polychlorinated Biphenyls (PCBs)														
7.0E-02	S	2.0E-05	S	7.0E-05	I					1	0.14		~Aroclor 1016	12674-11-2	3.9E+00	n	2.1E+01	c**	1.2E-01	c	6.1E-01	c	9.6E-01	c**		9.2E-02	
2.0E+00	S	5.7E-04	S					V		1	0.14	7.6E+02	~Aroclor 1221	11104-28-2	1.4E-01	c	5.4E-01	c	4.3E-03	c	2.1E-02	c	4.0E-03	c		6.9E-05	
2.0E+00	S	5.7E-04	S					V		1	0.14	7.3E+01	~Aroclor 1232	11141-16-5	1.4E-01	c	5.4E-01	c	4.3E-03	c	2.1E-02	c	4.0E-03	c		6.9E-05	
2.0E+00	S	5.7E-04	S							1	0.14		~Aroclor 1242	53469-21-9	2.2E-01	c	7.4E-01	c	4.3E-03	c	2.1E-02	c	3.4E-02	c		5.3E-03	
2.0E+00	S	5.7E-04	S							1	0.14		~Aroclor 1248	12672-29-6	2.2E-01	c	7.4E-01	c	4.3E-03	c	2.1E-02	c	3.4E-02	c		5.2E-03	
2.0E+00	S	5.7E-04	S	2.0E-05	I					1	0.14		~Aroclor 1254	11097-69-1	2.2E-01	c**	7.4E-01	c*	4.3E-03	c	2.1E-02	c	3.4E-02	c**		8.8E-03	
2.0E+00	S	5.7E-04	S							1	0.14		~Aroclor 1260	11096-82-5	2.2E-01	c	7.4E-01	c	4.3E-03	c	2.1E-02	c	3.4E-02	c		2.4E-02	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		1.2E-02	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		7.2E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		7.4E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		7.4E-03	
3.9E+03	E	1.1E+00	E	2.3E-08	E	1.3E-06	E			1	0.14		~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.1E-04	c*	3.8E-04	c*	2.1E-06	c	1.1E-05	c	1.7E-05	c*		7.2E-06	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		4.5E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		4.4E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		4.5E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.1E-01	c*	3.8E-01	c*	2.1E-03	c	1.1E-02	c	1.7E-02	c*		4.5E-03	
1.3E+04	E	3.8E+00	E	7.0E-09	E	4.0E-07	E			1	0.14		~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	3.4E-05	c*	1.1E-04	c*	6.4E-07	c	3.2E-06	c	5.2E-06	c*		1.3E-06	
2.0E+00	I	5.7E-04	I							1	0.14		~Polychlorinated Biphenyls (high risk)	1336-36-3	2.2E-01	c	7.4E-01	c	4.3E-03	c	2.1E-02	c					
4.0E-01	I	1.0E-04	I							1	0.14		~Polychlorinated Biphenyls (low risk)	1336-36-3					2.4E-02	c	1.2E-01	c	1.7E-01	c	5.0E-01	2.6E-02	7.8E-02
7.0E-02	I	2.0E-05	I							1	0.14		~Polychlorinated Biphenyls (lowest risk)	1336-36-3					1.2E-01	c	6.1E-01	c					
1.3E+01	E	3.8E-03	E	7.0E-06	E	4.0E-04	E			1	0.14		~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	3.4E-02	c*	1.1E-01	c*	6.4E-04	c	3.2E-03	c	5.2E-03	c*		8.1E-04	
3.9E+01	E	1.1E-02	E	2.3E-06	E	1.3E-04	E			1	0.14		~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.1E-02	c*	3.8E-02	c*	2.1E-04	c	1.1E-03	c	1.7E-03	c*		2.7E-04	
						6.0E-04	I			1	0.1		Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n					
													Polynuclear Aromatic Hydrocarbons (PAHs)														
				6.0E-02	I			V		1	0.13		~Acenaphthene	83-32-9	3.4E+03	n	3.3E+04	n					4.0E+02	n		4.1E+00	
				3.0E-01	I			V		1	0.13		~Anthracene	120-12-7	1.7E+04	n	1.7E+05	nm					1.3E+03	n		4.2E+01	
7.3E-01	E	1.1E-04	C						M	1	0.13		~Benz[a]anthracene	56-55-3	1.5E-01	c	2.1E+00	c	8.7E-03	c	1.1E-01	c	2.9E-02	c		1.0E-02	
1.2E+00	C	1.1E-04	C							1	0.13		~Benzo(j)fluoranthene	205-82-3	3.8E-01	c	1.3E+00	c	2.2E-02	c	1.1E-01	c	5.6E-02	c		6.7E-02	
7.3E+00	I	1.1E-03	C						M	1	0.13		~Benzo[a]pyrene	50-32-8	1.5E-02	c	2.1E-01	c	8.7E-04	c	1.1E-02	c	2.9E-03	c	2.0E-01	3.5E-03	2.4E-01
7.3E-01	E	1.1E-04	C						M	1	0.13		~Benzo[b]fluoranthene	205-99-2	1.5E-01	c	2.1E+00	c	8.7E-03	c	1.1E-01	c	2.9E-02	c		3.5E-02	
7.3E-02	E	1.1E-04	C						M	1	0.13		~Benzo[k]fluoranthene	207-08-9	1.5E+00	c	2.1E+01	c	8.7E-03	c	1.1E-01	c	2.9E-01	c		3.5E-01	
				8.0E-02	I			V		1			~Chloronaphthalene, Beta-	91-58-7	6.3E+03	n	8.2E+04	n					5.5E+02	n		2.9E+00	
7.3E-03	E	1.1E-05	C						M	1	0.13		~Chrysene	218-01-9	1.5E+01	c	2.1E+02	c	8.7E-02	c	1.1E+00	c	2.9E+00	c		1.1E+00	
7.3E+00	E	1.2E-03	C						M	1	0.13		~Dibenz[a,h]anthracene	53-70-3	1.5E-02	c	2.1E-01	c	8.0E-04	c	1.0E-02	c	2.9E-03	c		1.1E-02	
1.2E+01	C	1.1E-03	C							1	0.13		~Dibenzo(a,e)pyrene	192-65-4	3.8E-02	c	1.3E-01	c	2.2E-03	c	1.1E-02	c	5.6E-03	c		7.3E-02	
2.5E+02	C	7.1E-02	C						M	1	0.13		~Dimethylbenz(a)anthracene, 7,12-	57-97-6	4.3E-04	c	6.2E-03	c	1.4E-05	c	1.7E-04	c	8.6E-05	c		8.5E-05	
				4.0E-02	I					1	0.13		~Fluoranthene	206-44-0	2.3E+03	n	2.2E+04	n					6.3E+02	n		7.0E+01	
				4.0E-02	I			V		1	0.13		~Fluorene	86-73-7	2.3E+03	n	2.2E+04	n					2.2E+02	n		4.0E+00	
7.3E-01	E	1.1E-04	C						M	1	0.13		~Indeno[1,2,3-cd]pyrene	193-39-5	1.5E-01	c	2.1E+00	c	8.7E-03	c	1.1E-01	c	2.9E-02	c		2.0E-01	
2.9E-02	P			7.0E-02	A			V		1	0.13		~Methylnaphthalene, 1-	90-12-0	1.6E+01	c	5.3E+01	c					9.7E-01	c		5.1E-03	
				4.0E-03	I			V		1	0.13		~Methylnaphthalene, 2-	91-57-6	2.3E+02	n	2.2E+03	n					2.7E+01	n		1.4E-01	
		3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	0.13		~Naphthalene	91-20-3	3.6E+00	c*	1.8E+01	c*	7.2E-02	c*	3.6E-01	c*	1.4E-01	c*		4.7E-04	
1.2E+00	C	1.1E-04	C							1	0.13		~Nitropyrene, 4-	57835-92-4	3.8E-01	c	1.3E+00	c	2.2E-02	c	1.1E-01	c	1.6E-02	c		2.8E-03	
				3.0E-02	I			V		1	0.13		~Pyrene	129-00-0	1.7E+03	n	1.7E+04	n					8.7E+01	n		9.5E+00	
1.5E-01	I			9.0E-03	I					1	0.1		Prochloraz	67747-09-5	3.2E+00	c	1.1E+01	c					3.2E-01	c		1.6E-03	
				6.0E-03	H					1	0.1		Profluralin	26399-36-0	3.7E+02	n	3.7E+03	n					1.9E+01	n		1.2E+00	
				1.5E-02	I					1	0.1		Prometon	1610-18-0	9.2E+02	n	9.2E+03	n					1.9E+02	n		9.2E-02	
				4.0E-03	I					1	0.1		Prometryn	7287-19-6	2.4E+02	n	2.5E+03	n					4.5E+01	n		6.9E-02	
				1.3E-02	I					1	0.1		Propachlor	1918-16-7	7.9E+02	n	8.0E+03	n					1.9E+02	n		1.2E-01	
				5.0E-03	I					1	0.1		Propanil	709-98-8	3.1E+02	n	3.1E+03	n					6.3E+01	n		3.5E-02	
				2.0E-02	I					1	0.1		Propargite	2312-35-8	1.2E+03	n	1.2E+04	n					1.2E+02	n		8.8E+00	
				2.0E-03	I					1	0.1		Propargyl Alcohol	107-19-7	1.2E+02	n	1.2E+03	n					3.1E+01	n		6.4E-03	
				2.0E-02	I					1	0.1		Propazine	139-40-2	1.2E+03	n	1.2E+04	n					2.6E+02	n		2.3E-01	
				2.0E-02	I					1	0.1		Propham	122-42-9	1.2E+03	n	1.2E+04	n					2.7E+02	n		1.7E-01	
				1.3E-02	I					1	0.1		Propiconazole	60207-90-1	7.9E+02	n	8.0E+03	n					1.6E+02	n		5.3E-01	
						8.0E-03	I	V		1		3.3E+04	Propionaldehyde	123-38-6	8.0E+01	n	3.4E+02	n	8.3E+00	n	3.5E+01	n	1.7E+01	n		3.4E-03	
				1.0E-01	X	1.0E+00	X	V		1	0.1	2.6E+02	Propyl benzene	103-65-1	3.4E+03	ns	2.1E+04	ns	1.0E+03	n	4.4E+03	n	5.3E+02	n		9.9E-01	
						3.0E+00	C	V		1	0.1	3.5E+02	Propylene	115-07-1	2.4E+03	ns	1.0E+04	ns	3.1E+03	n	1.3E+04	n	6.3E+03	n		6.0E+00	
				2.0E+01	P					1	0.1		Propylene Glycol	57-55-6	1.2E+06	nm	1.2E+07	nm					3.1E+05	n		6.3E+01	
						2.7E-04	A			1	0.1		Propylene Glycol Dinitrate	6423-43-4	3.9E+05	nm	1.6E+06	nm	2.8E-01	n	1.2E+00	n					
				7.0E-01	H					1	0.1		Propylene Glycol Monoethyl Ether	1569-02-4	4.3E+04	n	4.3E+05	nm					1.1E+04	n		2.2E+00	
				7.0E-01	H	2.0E+00	I			1	0.1		Propylene Glycol Monomethyl Ether	107-98-2	4.3E+04	n	4.3E+05	nm	2.1E+03	n	8.8E+03	n	1.1E+04	n		2.2E+00	
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1		7.8E+04	Propylene Oxide	75-56-9	2.0E+00	c	9.0E+00	c	6.6E-01	c*	3.3E+00	c*	2.3E-01	c		4.8E-05	

TR=1E-06
HQ=10

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				2.5E-01	I					1	0.1		Pursuit	81335-77-5	1.5E+04	n	1.5E+05	nm					3.6E+03	n		3.2E+00	
				2.5E-02	I					1	0.1		Pydrin	51630-58-1	1.5E+03	n	1.5E+04	n					3.9E+02	n		2.5E+02	
				1.0E-03	I			V		1		5.3E+05	Pyridine	110-86-1	7.8E+01	n	1.0E+03	n					1.5E+01	n		5.3E-03	
				5.0E-04	I					1	0.1		Quinalphos	13593-03-8	3.1E+01	n	3.1E+02	n					3.8E+00	n		3.2E-02	
3.0E+00	I									1	0.1		Quinoline	91-22-5	1.6E-01	c	5.7E-01	c					2.1E-02	c		6.8E-05	
						3.0E-02	A			1			Refractory Ceramic Fibers	NA	4.3E+07	nm	1.8E+08	nm	3.1E+01	n	1.3E+02	n					
				3.0E-02	I					1	0.1		Resmethrin	10453-86-8	1.8E+03	n	1.8E+04	n					4.8E+01	n		3.0E+01	
				5.0E-02	H					1	0.1		Ronnel	299-84-3	3.1E+03	n	3.1E+04	n					3.0E+02	n		2.7E+00	
				4.0E-03	I					1	0.1		Rotenone	83-79-4	2.4E+02	n	2.5E+03	n					4.7E+01	n		2.4E+01	
2.2E-01	C	6.3E-05	C						M	1	0.1		Safrole	94-59-7	5.2E-01	c	7.8E+00	c	1.5E-02	c	1.9E-01	c	8.3E-02	c		5.1E-05	
				2.5E-02	I					1	0.1		Savey	78587-05-0	1.5E+03	n	1.5E+04	n					8.1E+01	n		3.6E-01	
				5.0E-03	I					1			Selenious Acid	7783-00-8	3.9E+02	n	5.1E+03	n					7.8E+01	n			
				5.0E-03	I	2.0E-02	C			1			Selenium	7782-49-2	3.9E+02	n	5.1E+03	n	2.1E+01	n	8.8E+01	n	7.8E+01	n	5.0E+01	4.0E-01	2.6E-01
				5.0E-03	C	2.0E-02	C			1			Selenium Sulfide	7446-34-6	3.9E+02	n	5.1E+03	n	2.1E+01	n	8.8E+01	n	7.8E+01	n			
				9.0E-02	I					1	0.1		Sethoxydim	74051-80-2	5.5E+03	n	5.5E+04	n					7.8E+02	n		6.9E+00	
						3.0E-03	C			1			Silica (crystalline, respirable)	7631-86-9	4.3E+06	nm	1.8E+07	nm	3.1E+00	n	1.3E+01	n					
				5.0E-03	I					0.04			Silver	7440-22-4	3.9E+02	n	5.1E+03	n					7.1E+01	n		6.0E-01	
1.2E-01	H			5.0E-03	I					1	0.1		Simazine	122-34-9	4.1E+00	c*	1.4E+01	c					5.2E-01	c	4.0E+00	2.6E-04	2.0E-03
				1.3E-02	I					1	0.1		Sodium Acifluorfen	62476-59-9	7.9E+02	n	8.0E+03	n					2.0E+02	n		1.6E+00	
				4.0E-03	I					1			Sodium Azide	26628-22-8	3.1E+02	n	4.1E+03	n					6.2E+01	n			
2.7E-01	H			3.0E-02	I					1	0.1		Sodium Diethyldithiocarbamate	148-18-5	1.8E+00	c	6.4E+00	c					2.5E-01	c			
				5.0E-02	A	1.3E-02	C			1			Sodium Fluoride	7681-49-4	3.9E+03	n	5.1E+04	n	1.4E+01	n	5.7E+01	n	7.8E+02	n			
				2.0E-05	I					1	0.1		Sodium Fluoroacetate	62-74-8	1.2E+00	n	1.2E+01	n					3.1E-01	n		6.3E-05	
				1.0E-03	H					1			Sodium Metavanadate	13718-26-8	7.8E+01	n	1.0E+03	n					1.6E+01	n			
2.4E-02	H			3.0E-02	I					1	0.1		Stirofos (Tetrachlorovinphos)	961-11-5	2.0E+01	c*	7.2E+01	c					2.4E+00	c		7.0E-03	
				6.0E-01	I					1			Strontium, Stable	7440-24-6	4.7E+04	n	6.1E+05	nm					9.3E+03	n		3.3E+02	
				3.0E-04	I					1	0.1		Strychnine	57-24-9	1.8E+01	n	1.8E+02	n					4.6E+00	n		5.1E-02	
				2.0E-01	I	1.0E+00	I	V		1		8.7E+02	Styrene	100-42-5	6.3E+03	ns	3.6E+04	ns	1.0E+03	n	4.4E+03	n	1.1E+03	n	1.0E+02	1.2E+00	1.1E-01
				1.0E-03	P	2.0E-03	P			1	0.1		Sulfolane	126-33-0	6.1E+01	n	6.2E+02	n	2.1E+00	n	8.8E+00	n	1.6E+01	n		3.4E-03	
				8.0E-04	P					1	0.1		Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	4.9E+01	n	4.9E+02	n					8.3E+00	n		4.9E-02	
						1.0E-03	C			1			Sulfuric Acid	7664-93-9	1.4E+06	nm	6.0E+06	nm	1.0E+00	n	4.4E+00	n					
				2.5E-02	I					1	0.1		Systhane	88671-89-0	1.5E+03	n	1.5E+04	n					3.5E+02	n		4.3E+00	
				3.0E-02	H					1	0.1		TCMTB	21564-17-0	1.8E+03	n	1.8E+04	n					3.7E+02	n		2.6E+00	
				7.0E-02	I					1	0.1		Tebuthiuron	34014-18-1	4.3E+03	n	4.3E+04	n					1.1E+03	n		3.0E-01	
				2.0E-02	H					1	0.1		Temephos	3383-96-8	1.2E+03	n	1.2E+04	n					3.1E+02	n		6.0E+01	
				1.3E-02	I					1	0.1		Terbacil	5902-51-2	7.9E+02	n	8.0E+03	n					2.0E+02	n		5.9E-02	
				2.5E-05	H					1	0.1		Terbufos	13071-79-9	1.5E+00	n	1.5E+01	n					1.8E-01	n		3.9E-04	
				1.0E-03	I					1	0.1		Terbutryn	886-50-0	6.1E+01	n	6.2E+02	n					1.0E+01	n		1.4E-02	
				1.0E-04	I					1	0.1		Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	6.1E+00	n	6.2E+01	n					1.6E+00	n		4.2E-02	
				3.0E-04	I					1	0.1		Tetrachlorobenzene, 1,2,4,5-	95-94-3	1.8E+01	n	1.8E+02	n					1.2E+00	n		5.8E-03	
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1		6.8E+02	Tetrachloroethane, 1,1,1,2-	630-20-6	1.9E+00	c	9.3E+00	c	3.3E-01	c	1.7E+00	c	5.0E-01	c		1.9E-04	
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		1		1.9E+03	Tetrachloroethane, 1,1,2,2-	79-34-5	5.6E-01	c	2.8E+00	c	4.2E-02	c	2.1E-01	c	6.6E-02	c		2.6E-05	
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		1		1.7E+02	Tetrachloroethylene	127-18-4	2.2E+01	c**	1.1E+02	c**	9.4E+00	c**	4.7E+01	c**	9.7E+00	c**	5.0E+00	4.4E-03	2.3E-03
				3.0E-02	I					1	0.1		Tetrachlorophenol, 2,3,4,6-	58-90-2	1.8E+03	n	1.8E+04	n					1.7E+02	n		1.1E+00	
2.0E+01	H									1	0.1		Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	2.4E-02	c	8.6E-02	c					1.1E-03	c		3.9E-06	
				5.0E-04	I					1	0.1		Tetraethyl Dithiopyrophosphate	3689-24-5	3.1E+01	n	3.1E+02	n					5.3E+00	n		3.9E-03	
						8.0E+01	I	V		1		1.1E+03	Tetrafluoroethane, 1,1,1,2-	811-97-2	1.1E+05	nms	4.6E+05	nms	8.3E+04	n	3.5E+05	n	1.7E+05	n		9.3E+01	
				2.0E-03	P					1	0.1		Tetryl (Trinitrophenylmethylnitramine)	479-45-8	1.2E+02	n	1.2E+03	n					3.1E+01	n		2.9E-01	
				7.0E-06	X					1			Thallium (I) Nitrate	10102-45-1	5.5E-01	n	7.2E+00	n					1.1E-01	n			
				1.0E-05	X					1			Thallium (Soluble Salts)	7440-28-0	7.8E-01	n	1.0E+01	n					1.6E-01	n	2.0E+00	1.1E-02	1.4E-01
				6.0E-06	X					1			Thallium Acetate	563-68-8	4.7E-01	n	6.1E+00	n					9.3E-02	n			
				2.0E-05	X					1			Thallium Carbonate	6533-73-9	1.6E+00	n	2.0E+01	n					3.1E-01	n			
				6.0E-06	X					1			Thallium Chloride	7791-12-0	4.7E-01	n	6.1E+00	n					9.3E-02	n			
				2.0E-05	X					1			Thallium Sulfate	7446-18-6	1.6E+00	n	2.0E+01	n					3.1E-01	n			
				1.0E-02	I					1	0.1		Thiobencarb	28249-77-6	6.1E+02	n	6.2E+03	n					1.2E+02	n		4.2E-01	
				7.0E-02	X					1	0.008		Thiodiglycol	111-48-8	5.4E+03	n	6.8E+04	n					1.1E+03	n		2.2E-01	
				3.0E-04	H					1	0.1		Thiofanox	39196-18-4	1.8E+01	n	1.8E+02	n					4.1E+00	n		1.4E-03	
				8.0E-02	I					1	0.1		Thiophanate, Methyl	23564-05-8	4.9E+03	n	4.9E+04	n					1.2E+03	n		1.1E+00	
				5.0E-03	I					1	0.1		Thiram	137-26-8	3.1E+02	n	3.1E+03	n					7.6E+01	n		1.1E-01	
				6.0E-01	H					1			Tin	7440-31-5	4.7E+04	n	6.1E+05	nm					9.3E+03	n		2.3E+03	
						1.0E-04	A			1			Titanium Tetrachloride	7550-45-0	1.4E+05	nm	6.0E+05	nm	1.0E-01	n	4.4E-01	n					
				8.0E-02	I	5.0E+00	I	V		1		8.2E+02	Toluene	108-88-3	5.0E+03	ns	4.5E+04	ns	5.2E+03	n	2.2E+04	n	8.6E+02	n	1.0E+03	5.9E-01	6.9E-01
1.8E-01	X			2.0E-04	X					1	0.1		Toluene-2,5-diamine	95-70-5	2.7E+00	c**	9.6E+00	c*					3.7E-01	c**		1.2E-04	
3.0E-02	P			4.0E-03	X					1	0.1		Toluidine, p-	106-49-0	1.6E+01	c*	5.7E+01	c*					2.2E+00	c*		9.2E-04	
				3.0E+00	P					1	0.1		Total Petroleum Hydrocarbons (Aliphatic High)	NA	1.8E+05	nm	1.8E+06	nm					4.7E+04	n		1.9E+03	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information													Contaminant		Screening Levels											Protection of Ground Water SSLs	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
		1.9E-07	P			6.0E-01	P	V		1		1.4E+02	Total Petroleum Hydrocarbons (Aliphatic Low)	NA	1.1E+01	c*	5.8E+01	c*	1.3E+01	c*	6.5E+01	c*	2.6E+01	c*		1.8E-01	
		4.5E-06	P	1.0E-02	P	1.0E-01	P	V		1		6.9E+00	Total Petroleum Hydrocarbons (Aliphatic Medium)	NA	6.1E-01	c	3.1E+00	c	5.4E-01	c	2.7E+00	c	1.1E+00	c*		1.5E-02	
7.3E+00	P			4.0E-02	P					1	0.1		Total Petroleum Hydrocarbons (Aromatic High)	NA	6.7E-02	c	2.4E-01	c					9.2E-03	c		1.0E-03	
5.5E-02	P	7.8E-06	P	4.0E-03	P	3.0E-02	P	V		1		1.8E+03	Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.1E+00	c*	5.4E+00	c*	3.1E-01	c	1.6E+00	c*	3.9E-01	c*		2.0E-04	
				4.0E-03	P	3.0E-03	P	V		1			Total Petroleum Hydrocarbons (Aromatic Medium)	NA	1.1E+02	n	6.3E+02	n	3.1E+00	n	1.3E+01	n	5.2E+00	n		2.2E-02	
1.1E+00	I	3.2E-04	I							1	0.1		Toxaphene	8001-35-2	4.4E-01	c	1.6E+00	c	7.6E-03	c	3.8E-02	c	1.3E-02	c	3.0E+00	2.1E-03	4.6E-01
				7.5E-03	I					1	0.1		Tralomethrin	66841-25-6	4.6E+02	n	4.6E+03	n					1.2E+02	n		4.5E+01	
				3.0E-04	A					1	0.1		Tri-n-butyltin	688-73-3	1.8E+01	n	1.8E+02	n					2.8E+00	n		6.2E-02	
				8.0E+01	X					1	0.1		Triacetin	102-76-1	4.9E+06	nm	4.9E+07	nm					1.2E+06	n		3.5E+02	
				1.3E-02	I					1	0.1		Triallate	2303-17-5	7.9E+02	n	8.0E+03	n					8.7E+01	n		1.9E-01	
				1.0E-02	I					1	0.1		Triasulfuron	82097-50-5	6.1E+02	n	6.2E+03	n					1.6E+02	n		1.6E-01	
				5.0E-03	I					1	0.1		Tribromobenzene, 1,2,4-	615-54-3	3.1E+02	n	3.1E+03	n					3.3E+01	n		4.7E-02	
9.0E-03	P			1.0E-02	P					1	0.1		Tributyl Phosphate	126-73-8	5.4E+01	c*	1.9E+02	c*					4.5E+00	c*		2.2E-02	
				3.0E-04	P					1	0.1		Tributyltin Compounds	NA	1.8E+01	n	1.8E+02	n					4.7E+00	n			
				3.0E-04	I					1	0.1		Tributyltin Oxide	56-35-9	1.8E+01	n	1.8E+02	n					4.4E+00	n		2.3E+02	
				3.0E+01	I	3.0E+01	H	V		1		9.1E+02	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	4.3E+04	ns	1.8E+05	nms	3.1E+04	n	1.3E+05	n	5.3E+04	n		1.3E+02	
7.0E-02	I			2.0E-02	I					1	0.1		Trichloroacetic Acid	76-03-9	6.9E+00	c	2.5E+01	c					9.4E-01	c	6.0E+01	1.9E-04	1.2E-02
2.9E-02	H									1	0.1		Trichloroaniline HCl, 2,4,6-	33663-50-2	1.7E+01	c	5.9E+01	c					2.3E+00	c		6.4E-03	
7.0E-03	X			3.0E-05	X					1	0.1		Trichloroaniline, 2,4,6-	634-93-5	1.8E+00	n	1.8E+01	n					3.0E-01	n		2.7E-03	
				8.0E-04	X			V		1	0.1		Trichlorobenzene, 1,2,3-	87-61-6	4.9E+01	n	4.9E+02	n					5.2E+00	n		1.5E-02	
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		1		4.0E+02	Trichlorobenzene, 1,2,4-	120-82-1	2.2E+01	c**	9.9E+01	c**	2.1E+00	n	8.8E+00	n	9.9E-01	c**	7.0E+01	2.9E-03	2.0E-01
				2.0E+00	I	5.0E+00	I	V		1		6.4E+02	Trichloroethane, 1,1,1-	71-55-6	8.7E+03	ns	3.8E+04	ns	5.2E+03	n	2.2E+04	n	7.5E+03	n	2.0E+02	2.6E+00	7.0E-02
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		1		2.2E+03	Trichloroethane, 1,1,2-	79-00-5	1.1E+00	c**	5.3E+00	c**	1.5E-01	c**	7.7E-01	c**	2.4E-01	c**	5.0E+00	7.7E-05	1.6E-03
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	1		6.9E+02	Trichloroethylene	79-01-6	9.1E-01	c**	6.4E+00	c**	4.3E-01	c**	3.0E+00	c**	4.4E-01	c**	5.0E+00	1.6E-04	1.8E-03
				3.0E-01	I	7.0E-01	H	V		1		1.2E+03	Trichlorofluoromethane	75-69-4	7.9E+02	n	3.4E+03	ns	7.3E+02	n	3.1E+03	n	1.1E+03	n		6.9E-01	
				1.0E-01	I					1	0.1		Trichlorophenol, 2,4,5-	95-95-4	6.1E+03	n	6.2E+04	n					8.9E+02	n		3.3E+00	
1.1E-02	I	3.1E-06	I	1.0E-03	P					1	0.1		Trichlorophenol, 2,4,6-	88-06-2	4.4E+01	c**	1.6E+02	c**	7.8E-01	c	4.0E+00	c	3.5E+00	c**		1.3E-02	
				1.0E-02	I					1	0.1		Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	6.1E+02	n	6.2E+03	n					1.2E+02	n		5.2E-02	
				8.0E-03	I					1	0.1		Trichlorophenoxypropionic acid, -2,4,5	93-72-1	4.9E+02	n	4.9E+03	n					8.4E+01	n	5.0E+01	4.6E-02	2.8E-02
				5.0E-03	I			V		1		1.3E+03	Trichloropropane, 1,1,2-	598-77-6	3.9E+02	n	5.1E+03	ns					6.8E+01	n		2.7E-02	
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	1		1.4E+03	Trichloropropane, 1,2,3-	96-18-4	5.0E-03	c	9.5E-02	c	3.1E-01	n	1.3E+00	n	6.5E-04	c		2.8E-07	
				3.0E-03	X	3.0E-04	P	V		1		4.5E+02	Trichloropropene, 1,2,3-	96-19-5	7.8E-01	n	3.3E+00	n	3.1E-01	n	1.3E+00	n	6.2E-01	n		3.1E-04	
				2.0E-02	A					1	0.1		Tricresyl Phosphate (TCP)	1330-78-5	5.6E+03	n	3.1E+04	n					1.2E+02	n		1.1E+01	
				3.0E-03	I					1	0.1		Tridiphane	58138-08-2	1.8E+02	n	1.8E+03	n					1.3E+01	n		9.3E-02	
						7.0E-03	I	V		1		2.8E+04	Triethylamine	121-44-8	1.2E+02	n	5.2E+02	n	7.3E+00	n	3.1E+01	n	1.5E+01	n		4.4E-03	
7.7E-03	I			7.5E-03	I					1	0.1		Trifluralin	1582-09-8	6.3E+01	c**	2.2E+02	c*					2.2E+00	c*		7.2E-02	
2.0E-02	P			1.0E-02	P					1	0.1		Trimethyl Phosphate	512-56-1	2.4E+01	c*	8.6E+01	c*					3.4E+00	c*		7.4E-04	
						5.0E-03	P	V		1		2.9E+02	Trimethylbenzene, 1,2,3-	526-73-8	5.3E+01	n	2.2E+02	n	5.2E+00	n	2.2E+01	n	1.0E+01	n		1.5E-02	
						7.0E-03	P	V		1		2.2E+02	Trimethylbenzene, 1,2,4-	95-63-6	6.2E+01	n	2.6E+02	ns	7.3E+00	n	3.1E+01	n	1.5E+01	n		2.1E-02	
				1.0E-02	X			V		1		1.8E+02	Trimethylbenzene, 1,3,5-	108-67-8	7.8E+02	ns	1.0E+04	ns					8.7E+01	n		1.2E-01	
				3.0E-02	I					1	0.019		Trinitrobenzene, 1,3,5-	99-35-4	2.2E+03	n	2.7E+04	n					4.6E+02	n		1.7E+00	
3.0E-02	I			5.0E-04	I					1	0.032		Trinitrotoluene, 2,4,6-	118-96-7	1.9E+01	c**	7.9E+01	c**					2.2E+00	c**		1.3E-02	
				2.0E-02	P					1	0.1		Triphenylphosphine Oxide	791-28-6	1.2E+03	n	1.2E+04	n					2.8E+02	n		1.2E+00	
				2.0E-02	A					1	0.1		Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	1.2E+03	n	1.2E+04	n					2.8E+02	n		6.2E+00	
				1.0E-02	X					1	0.1		Tris(1-chloro-2-propyl)phosphate	13674-84-5	6.1E+02	n	6.2E+03	n					1.5E+02	n		5.0E-01	
2.0E-02	P			7.0E-03	P					1	0.1		Tris(2-chloroethyl)phosphate	115-96-8	2.4E+01	c*	8.6E+01	c*					3.3E+00	c*		3.2E-03	
3.2E-03	P			1.0E-01	P					1	0.1		Tris(2-ethylhexyl)phosphate	78-42-2	1.5E+02	c*	5.4E+02	c					2.1E+01	c*		1.0E+02	
				3.0E-03	I	4.0E-05	A			1			Uranium (Soluble Salts)	NA	2.3E+02	n	3.0E+03	n	4.2E-02	n	1.8E-01	n	4.7E+01	n	3.0E+01	2.1E+01	1.4E+01
1.0E+00	C	2.9E-04	C						M	1	0.1		Urethane	51-79-6	1.2E-01	c	1.7E+00	c	3.3E-03	c	4.2E-02	c	2.1E-02	c		4.8E-06	
		8.3E-03	P	9.0E-03	I	7.0E-06	P			0.026			Vanadium Pentoxide	1314-62-1	4.0E+02	c**	2.0E+03	c**	2.9E-04	c*	1.5E-03	c*	1.1E+02	n			
				5.0E-03	S	1.0E-04	A			0.026			Vanadium and Compounds	7440-62-2	3.9E+02	n	5.1E+03	n	1.0E-01	n	4.4E-01	n	6.3E+01	n		6.3E+01	
				1.0E-03	I					1	0.1		Vernolate	1929-77-7	6.1E+01	n	6.2E+02	n					8.3E+00	n		6.6E-03	
				2.5E-02	I					1	0.1		Vinclozolin	50471-44-8	1.5E+03	n	1.5E+04	n					3.4E+02	n		2.6E-01	
				1.0E+00	H	2.0E-01	I	V		1		2.8E+03	Vinyl Acetate	108-05-4	9.7E+02	n	4.1E+03	ns	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.7E-02	
		3.2E-05	H			3.0E-03	I	V		1		3.4E+03	Vinyl Bromide	593-60-2	1.1E-01	c*	5.6E-01	c*	7.6E-02	c*	3.8E-01	c*	1.5E-01	c*		4.4E-05	
7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	1		3.9E+03	Vinyl Chloride	75-01-4	6.0E-02	c	1.7E+00	c	1.6E-01	c	2.8E+00	c	1.5E-02	c	2.0E+00	5.3E-06	6.9E-04
				3.0E-04	I					1	0.1		Warfarin	81-81-2	1.8E+01	n	1.8E+02	n					4.4E+00	n		4.6E-03	
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	Xylene, P-	106-42-3	6.0E+02	ns	2.6E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.8E-01	
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	Xylene, m-	108-38-3	5.9E+02	ns	2.5E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.8E-01	
				2.0E-01	S	1.0E-01	S	V		1		4.3E+02	Xylene, o-	95-47-6	6.9E+02	ns	3.0E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	
				2.0E-01	I	1.0E-01	I	V		1		2.6E+02	Xylenes	1330-20-7	6.3E+02	ns	2.7E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n	1.0E+04	1.9E-01	9.8E+00
				3.0E-04	I					1			Zinc Phosphide	1314-84-7	2.3E+01	n	3.1E+02	n					4.7E+00	n			
				3.0E-01	I					1			Zinc and Compounds	7440-66-6	2.3E+04	n	3.1E+05	nm					4.7E+03	n		2.9E+02	
				5.0E-02	I					1	0.1		Zineb	12122-67-7	3.1E+03	n	3.1E+04	n					7.7E+02	n		2.2E+00	
				8.0E-05	X					1			Zirconium	7440-67-7	6.3E+00	n	8.2E+01	n					1.2E+00	n		3.7E+00	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.8E-02	C	5.1E-06	C	1.5E-01	I					1	0.1		1.4E+09		ALAR	1596-84-5	3.6E+01	1.1E+02	6.5E+05	2.7E+01	1.2E+04	4.2E+04		9.2E+03
8.7E-03	I			4.0E-03	I					1	0.1		1.4E+09		Acephate	30560-19-1	7.4E+01	2.3E+02		5.6E+01	3.1E+02	1.1E+03		2.4E+02
		2.2E-06	I			9.0E-03	I	V		1		1.1E+05	1.4E+09	9.4E+03	Acetaldehyde	75-07-0			1.0E+01	1.0E+01			8.8E+01	8.8E+01
				2.0E-02	I					1	0.1		1.4E+09		Acetochlor	34256-82-1					1.6E+03	5.6E+03		1.2E+03
				9.0E-01	I	3.1E+01	A	V		1		1.1E+05	1.4E+09	1.5E+04	Acetone	67-64-1					7.0E+04		4.7E+05	6.1E+04
						2.0E-03	X	V		1		1.1E+05	1.4E+09	2.6E+04	Acetone Cyanohydrin	75-86-5							5.3E+01	5.3E+01
						6.0E-02	I	V		1		1.3E+05	1.4E+09	1.4E+04	Acetonitrile	75-05-8							8.7E+02	8.7E+02
				1.0E-01	I			V		1		2.5E+03	1.4E+09	6.4E+04	Acetophenone	98-86-2					7.8E+03			7.8E+03
3.8E+00	C	1.3E-03	C							1	0.1		1.4E+09		Acetylaminofluorene, 2-	53-96-3	1.7E-01	5.3E-01	2.5E+03	1.3E-01				
				5.0E-04	I	2.0E-05	I	V		1		2.3E+04	1.4E+09	7.4E+03	Acrolein	107-02-8					3.9E+01		1.6E-01	1.5E-01
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	1	0.1		1.4E+09		Acrylamide	79-06-1	3.0E-01	1.0E+00	1.3E+04	2.3E-01	1.6E+02	5.6E+02	8.5E+06	1.2E+02
				5.0E-01	I	1.0E-03	I			1	0.1		1.4E+09		Acrylic Acid	79-10-7					3.9E+04	1.4E+05	1.4E+06	3.0E+04
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		1		1.1E+04	1.4E+09	8.3E+03	Acrylonitrile	107-13-1	1.2E+00		3.0E-01	2.4E-01	3.1E+03		1.7E+01	1.7E+01
						6.0E-03	P			1	0.1		1.4E+09		Adiponitrile	111-69-3							8.5E+06	8.5E+06
5.6E-02	C			1.0E-02	I					1	0.1		1.4E+09		Alachlor	15972-60-8	1.1E+01	3.6E+01		8.7E+00	7.8E+02	2.8E+03		6.1E+02
				1.0E-03	I					1	0.1		1.4E+09		Aldicarb	116-06-3					7.8E+01	2.8E+02		6.1E+01
				1.0E-03	I					1	0.1		1.4E+09		Aldicarb Sulfone	1646-88-4					7.8E+01	2.8E+02		6.1E+01
										1	0.1		1.4E+09		Aldicarb sulfoxide	1646-87-3								
1.7E+01	I	4.9E-03	I	3.0E-05	I					1	0.1		1.4E+09		Aldrin	309-00-2	3.8E-02	1.2E-01	6.8E+02	2.9E-02	2.3E+00	8.4E+00		1.8E+00
				2.5E-01	I					1	0.1		1.4E+09		Ally	74223-64-6					2.0E+04	7.0E+04		1.5E+04
				5.0E-03	I	1.0E-04	X			1	0.1		1.4E+09		Allyl Alcohol	107-18-6					3.9E+02	1.4E+03	1.4E+05	3.0E+02
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		1		1.4E+03	1.4E+09	1.7E+03	Allyl Chloride	107-05-1	3.0E+01		6.9E-01	6.8E-01			1.8E+00	1.8E+00
				1.0E+00	P	5.0E-03	P			1			1.4E+09		Aluminum	7429-90-5					7.8E+04		7.1E+06	7.7E+04
				4.0E-04	I					1			1.4E+09		Aluminum Phosphide	20859-73-8					3.1E+01			3.1E+01
				3.0E-04	I					1	0.1		1.4E+09		Amdro	67485-29-4					2.3E+01	8.4E+01		1.8E+01
				9.0E-03	I					1	0.1		1.4E+09		Ametryn	834-12-8					7.0E+02	2.5E+03		5.5E+02
2.1E+01	C	6.0E-03	C							1	0.1		1.4E+09		Aminobiphenyl, 4-	92-67-1	3.0E-02	9.6E-02	5.5E+02	2.3E-02				
				8.0E-02	P					1	0.1		1.4E+09		Aminophenol, m-	591-27-5					6.3E+03	2.2E+04		4.9E+03
				2.0E-02	P					1	0.1		1.4E+09		Aminophenol, p-	123-30-8					1.6E+03	5.6E+03		1.2E+03
				2.5E-03	I					1	0.1		1.4E+09		Amitraz	33089-61-1					2.0E+02	7.0E+02		1.5E+02
						1.0E-01	I			1					Ammonia	7664-41-7								
				2.0E-01	I					1			1.4E+09		Ammonium Sulfamate	7773-06-0					1.6E+04			1.6E+04
						3.0E-03	X	V		1		1.4E+04	1.4E+09	2.8E+04	Amyl Alcohol, tert-	75-85-4							8.8E+01	8.8E+01
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			1	0.1		1.4E+09		Aniline,	62-53-3	1.1E+02	3.5E+02	2.1E+06	8.5E+01	5.5E+02	2.0E+03	1.4E+06	4.3E+02
4.0E-02	P			2.0E-03	X					1	0.1		1.4E+09		Anthraquinone, 9,10-	84-65-1	1.6E+01	5.1E+01		1.2E+01	1.6E+02	5.6E+02		1.2E+02
				4.0E-04	I					0.15			1.4E+09		Antimony (metallic)	7440-36-0					3.1E+01			3.1E+01
				5.0E-04	H					0.15			1.4E+09		Antimony Pentoxide	1314-60-9					3.9E+01			3.9E+01
				9.0E-04	H					0.15			1.4E+09		Antimony Potassium Tartrate	11071-15-1					7.0E+01			7.0E+01
				4.0E-04	H					0.15			1.4E+09		Antimony Tetroxide	1332-81-6					3.1E+01			3.1E+01
						2.0E-04	I			0.15			1.4E+09		Antimony Trioxide	1309-64-4							2.8E+05	2.8E+05
				1.3E-02	I					1	0.1		1.4E+09		Apollo	74115-24-5					1.0E+03	3.6E+03		7.9E+02
2.5E-02	I	7.1E-06	I	5.0E-02	H					1	0.1		1.4E+09		Aramite	140-57-8	2.6E+01	8.1E+01	4.7E+05	1.9E+01	3.9E+03	1.4E+04		3.1E+03
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			1	0.03		1.4E+09		Arsenic, Inorganic	7440-38-2	7.1E-01	4.5E+00	7.7E+02	6.1E-01	3.9E+01	2.8E+02	2.1E+04	3.4E+01
				3.5E-06	C	5.0E-05	I			1			1.4E+09		Arsine	7784-42-1					2.7E-01		7.1E+04	2.7E-01
				9.0E-03	I					1	0.1		1.4E+09		Assure	76578-14-8					7.0E+02	2.5E+03		5.5E+02
				5.0E-02	I					1	0.1		1.4E+09		Asulam	3337-71-1					3.9E+03	1.4E+04		3.1E+03
2.3E-01	C			3.5E-02	I					1	0.1		1.4E+09		Atrazine	1912-24-9	2.8E+00	8.8E+00		2.1E+00	2.7E+03	9.8E+03		2.1E+03
8.8E-01	C	2.5E-04	C							1	0.1		1.4E+09		Auramine	492-80-8	7.3E-01	2.3E+00	1.3E+04	5.5E-01				
				4.0E-04	I					1	0.1		1.4E+09		Avermectin B1	65195-55-3					3.1E+01	1.1E+02		2.4E+01
1.1E-01	I	3.1E-05	I					V		1			1.4E+09	5.6E+05	Azobenzene	103-33-3	5.8E+00		4.4E+01	5.1E+00				
				2.0E-01	I	5.0E-04	H			0.07			1.4E+09		Barium	7440-39-3					1.6E+04		7.1E+05	1.5E+04
				4.0E-03	I					1	0.1		1.4E+09		Baygon	114-26-1					3.1E+02	1.1E+03		2.4E+02
				3.0E-02	I					1	0.1		1.4E+09		Bayleton	43121-43-3					2.3E+03	8.4E+03		1.8E+03
				2.5E-02	I					1	0.1		1.4E+09		Baythroid	68359-37-5					2.0E+03	7.0E+03		1.5E+03
				3.0E-01	I					1	0.1		1.4E+09		Benefin	1861-40-1					2.3E+04	8.4E+04		1.8E+04
				5.0E-02	I					1	0.1		1.4E+09		Benomyl	17804-35-2					3.9E+03	1.4E+04		3.1E+03
				3.0E-02	I					1	0.1		1.4E+09		Bentazon	25057-89-0					2.3E+03	8.4E+03		1.8E+03
				1.0E-01	I			V		1		1.2E+03	1.4E+09	2.4E+04	Benzaldehyde	100-52-7					7.8E+03			7.8E+03
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1		1.8E+03	1.4E+09	3.8E+03	Benzene	71-43-2	1.2E+01		1.2E+00	1.1E+00	3.1E+02		1.2E+02	8.6E+01
1.0E-01	X			3.0E-04	X					1	0.1		1.4E+09		Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	6.4E+00	2.0E+01		4.9E+00	2.3E+01	8.4E+01		1.8E+01
				1.0E-03	P			V		1		1.3E+03	1.4E+09	2.1E+04	Benzenethiol	108-98-5					7.8E+01			7.8E+01
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	0.1		1.4E+09		Benzidine	92-87-5	6.5E-04	2.2E-03	1.9E+01	5.0E-04	2.3E+02	8.4E+02		1.8E+02
				4.0E+00	I					1	0.1		1.4E+09		Benzoic Acid	65-85-0					3.1E+05	1.1E+06		2.4E+05
1.3E+01	I							V		1		3.2E+02	1.4E+09	7.3E+04	Benzotrichloride	98-07-7	4.9E-02			4.9E-02				
				1.0E-01	P					1	0.1		1.4E+09		Benzyl Alcohol	100-51-6					7.8E+03	2.8E+04		6.1E+03

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		1		1.5E+03	1.4E+09	2.7E+04	Benzyl Chloride	100-44-7	3.8E+00		1.4E+00	1.0E+00	1.6E+02		2.9E+01	2.4E+01
		2.4E-03	I	2.0E-03	I	2.0E-05	I			0.007			1.4E+09		Beryllium and compounds	7440-41-7			1.4E+03	1.4E+03	1.6E+02		2.8E+04	1.6E+02
				1.0E-04	I					1	0.1		1.4E+09		Bidrin	141-66-2					7.8E+00	2.8E+01		6.1E+00
				9.0E-03	P					1	0.1		1.4E+09		Bifenox	42576-02-3					7.0E+02	2.5E+03		5.5E+02
				1.5E-02	I					1	0.1		1.4E+09		Biphenthrin	82657-04-3					1.2E+03	4.2E+03		9.2E+02
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		1			1.4E+09	1.2E+05	Biphenyl, 1,1'-	92-52-4	8.0E+01			8.0E+01	3.9E+04		5.1E+01	5.1E+01
7.0E-02	H	1.0E-05	H	4.0E-02	I			V		1		1.0E+03	1.4E+09	3.8E+04	Bis(2-chloro-1-methylethyl) ether	108-60-1	9.1E+00		9.2E+00	4.6E+00	3.1E+03			3.1E+03
				3.0E-03	P					1	0.1		1.4E+09		Bis(2-chloroethoxy)methane	111-91-1					2.3E+02	8.4E+02		1.8E+02
1.1E+00	I	3.3E-04	I					V		1		5.1E+03	1.4E+09	4.6E+04	Bis(2-chloroethyl)ether	111-44-4	5.8E-01		3.4E-01	2.1E-01				
2.2E+02	I	6.2E-02	I					V		1		4.2E+03	1.4E+09	2.0E+03	Bis(chloromethyl)ether	542-88-1	2.9E-03		7.9E-05	7.7E-05				
				5.0E-02	I					1	0.1		1.4E+09		Bisphenol A	80-05-7					3.9E+03	1.4E+04		3.1E+03
				2.0E-01	I	2.0E-02	H			1			1.4E+09		Boron And Borates Only	7440-42-8					1.6E+04		2.8E+07	1.6E+04
				2.0E+00	P	2.0E-02	P			1			1.4E+09		Boron Trichloride	10294-34-5					1.6E+05		2.8E+07	1.6E+05
				4.0E-02	C	1.3E-02	C			1			1.4E+09		Boron Trifluoride	7637-07-2					3.1E+03		1.8E+07	3.1E+03
7.0E-01	I			4.0E-03	I					1			1.4E+09		Bromate	15541-45-4	9.1E-01			9.1E-01	3.1E+02			3.1E+02
2.0E+00	X	6.0E-04	X					V		1		2.4E+03	1.4E+09	6.4E+03	Bromo-2-chloroethane, 1-	107-04-0	3.2E-01		2.6E-02	2.4E-02				
				8.0E-03	I	6.0E-02	I	V		1		6.8E+02	1.4E+09	9.0E+03	Bromobenzene	108-86-1					6.3E+02		5.6E+02	3.0E+02
						4.0E-02	X	V		1		4.0E+03	1.4E+09	3.9E+03	Bromochloromethane	74-97-5							1.6E+02	1.6E+02
6.2E-02	I	3.7E-05	C	2.0E-02	I			V		1		9.3E+02	1.4E+09	4.3E+03	Bromodichloromethane	75-27-4	1.0E+01		2.8E-01	2.7E-01	1.6E+03			1.6E+03
7.9E-03	I	1.1E-06	I	2.0E-02	I					1	0.1		1.4E+09		Bromoform	75-25-2	8.1E+01	2.6E+02	3.0E+06	6.2E+01	1.6E+03	5.6E+03		1.2E+03
				1.4E-03	I	5.0E-03	I	V		1		3.6E+03	1.4E+09	1.5E+03	Bromomethane	74-83-9					1.1E+02		7.8E+00	7.3E+00
				5.0E-03	H					1	0.1		1.4E+09		Bromophos	2104-96-3					3.9E+02	1.4E+03		3.1E+02
				2.0E-02	I					1	0.1		1.4E+09		Bromoxynil	1689-84-5					1.6E+03	5.6E+03		1.2E+03
				2.0E-02	I					1	0.1		1.4E+09		Bromoxynil Octanoate	1689-99-2					1.6E+03	5.6E+03		1.2E+03
3.4E+00	C	3.0E-05	I			2.0E-03	I	V		1		6.7E+02	1.4E+09	9.3E+02	Butadiene, 1,3-	106-99-0	1.9E-01		7.6E-02	5.4E-02			1.9E+00	1.9E+00
				1.0E-01	I					1	0.1		1.4E+09		Butanol, N-	71-36-3					7.8E+03	2.8E+04		6.1E+03
1.9E-03	P			2.0E-01	I					1	0.1		1.4E+09		Butyl Benzyl Phthlate	85-68-7	3.4E+02	1.1E+03		2.6E+02	1.6E+04	5.6E+04		1.2E+04
				2.0E+00	P	3.0E+01	P			1	0.1		1.4E+09		Butyl alcohol, sec-	78-92-2					1.6E+05	5.6E+05	4.3E+10	1.2E+05
				5.0E-02	I					1	0.1		1.4E+09		Butylate	2008-41-5					3.9E+03	1.4E+04		3.1E+03
2.0E-04	C	5.7E-08	C							1	0.1		1.4E+09		Butylated hydroxyanisole	25013-16-5	3.2E+03	1.0E+04	5.8E+07	2.4E+03				
3.6E-03	P			3.0E-01	P					1	0.1		1.4E+09		Butylated hydroxytoluene	128-37-0	1.8E+02	5.6E+02		1.4E+02	2.3E+04	8.4E+04		1.8E+04
				5.0E-02	P			V		1		1.1E+02	1.4E+09	8.8E+03	Butylbenzene, n-	104-51-8					3.9E+03			3.9E+03
				1.0E-01	X			V		1		1.5E+02	1.4E+09	7.9E+03	Butylbenzene, sec-	135-98-8					7.8E+03			7.8E+03
				1.0E-01	X			V		1		1.8E+02	1.4E+09	7.9E+03	Butylbenzene, tert-	98-06-6					7.8E+03			7.8E+03
				2.0E-02	A					1	0.1		1.4E+09		Cacodylic Acid	75-60-5					1.6E+03	5.6E+03		1.2E+03
		1.8E-03	I	1.0E-03	I	1.0E-05	A			0.025	0.001		1.4E+09		Cadmium (Diet)	7440-43-9			1.8E+03	1.8E+03	7.8E+01	7.0E+02	1.4E+04	7.0E+01
		1.8E-03	I	5.0E-04	I	1.0E-05	A			0.05	0.001				Cadmium (Water)	7440-43-9								
				5.0E-01	I	2.2E-03	C			1	0.1		1.4E+09		Caprolactam	105-60-2					3.9E+04	1.4E+05	3.1E+06	3.0E+04
1.5E-01	C	4.3E-05	C	2.0E-03	I					1	0.1		1.4E+09		Captafol	2425-06-1	4.3E+00	1.3E+01	7.7E+04	3.2E+00	1.6E+02	5.6E+02		1.2E+02
2.3E-03	C	6.6E-07	C	1.3E-01	I					1	0.1		1.4E+09		Captan	133-06-2	2.8E+02	8.8E+02	5.0E+06	2.1E+02	1.0E+04	3.6E+04		7.9E+03
				1.0E-01	I					1	0.1		1.4E+09		Carbaryl	63-25-2					7.8E+03	2.8E+04		6.1E+03
				5.0E-03	I					1	0.1		1.4E+09		Carbofuran	1563-66-2					3.9E+02	1.4E+03		3.1E+02
				1.0E-01	I	7.0E-01	I	V		1		7.4E+02	1.4E+09	1.3E+03	Carbon Disulfide	75-15-0					7.8E+03		9.2E+02	8.2E+02
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		1		4.6E+02	1.4E+09	1.6E+03	Carbon Tetrachloride	56-23-5	9.1E+00		6.5E-01	6.1E-01	3.1E+02		1.7E+02	1.1E+02
				1.0E-02	I					1	0.1		1.4E+09		Carbosulfan	55285-14-8					7.8E+02	2.8E+03		6.1E+02
				1.0E-01	I					1	0.1		1.4E+09		Carboxin	5234-68-4					7.8E+03	2.8E+04		6.1E+03
						9.0E-04	I			1			1.4E+09		Ceric oxide	1306-38-3							1.3E+06	1.3E+06
				1.0E-01	I					1	0.1		1.4E+09		Chloral Hydrate	302-17-0					7.8E+03	2.8E+04		6.1E+03
				1.5E-02	I					1	0.1		1.4E+09		Chloramben	133-90-4					1.2E+03	4.2E+03		9.2E+02
4.0E-01	H									1	0.1		1.4E+09		Chloranil	118-75-2	1.6E+00	5.0E+00		1.2E+00				
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			1	0.04		1.4E+09		Chlordane	12789-03-6	1.8E+00	1.4E+01	3.3E+04	1.6E+00	3.9E+01	3.5E+02	9.9E+05	3.5E+01
1.0E+01	I	4.6E-03	C	3.0E-04	I					1	0.1		1.4E+09		Chlordecone (Kepone)	143-50-0	6.4E-02	2.0E-01	7.2E+02	4.9E-02	2.3E+01	8.4E+01		1.8E+01
				7.0E-04	A					1	0.1		1.4E+09		Chlorfenvinphos	470-90-6					5.5E+01	2.0E+02		4.3E+01
				2.0E-02	I					1	0.1		1.4E+09		Chlorimuron, Ethyl-	90982-32-4					1.6E+03	5.6E+03		1.2E+03
				1.0E-01	I	1.5E-04	A			1			1.4E+09		Chlorine	7782-50-5					7.8E+03		2.1E+05	7.5E+03
				3.0E-02	I	2.0E-04	I			1			1.4E+09		Chlorine Dioxide	10049-04-4					2.3E+03		2.8E+05	2.3E+03
				3.0E-02	I					1			1.4E+09		Chlorite (Sodium Salt)	7758-19-2					2.3E+03			2.3E+03
						5.0E+01	I	V		1		1.2E+03	1.4E+09	1.1E+03	Chloro-1,1-difluoroethane, 1-	75-68-3							5.8E+04	5.8E+04
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		1		7.5E+02	1.4E+09	1.2E+03	Chloro-1,3-butadiene, 2-	126-99-8			9.4E-03	9.4E-03	1.6E+03		2.4E+01	2.4E+01
4.6E-01	H									1	0.1		1.4E+09		Chloro-2-methylaniline HCl, 4-	3165-93-3	1.4E+00	4.4E+00		1.1E+00				
1.0E-01	P	7.7E-05	C	3.0E-03	X					1	0.1		1.4E+09		Chloro-2-methylaniline, 4-	95-69-2	6.4E+00	2.0E+01	4.3E+04	4.9E+00	2.3E+02	8.4E+02		1.8E+02
2.7E-01	X							V		1	0.1	2.8E+04	1.4E+09	2.0E+04	Chloroacetaldehyde, 2-	107-20-0	2.4E+00	7.5E+00		1.8E+00				
				2.0E-03	H					1	0.1		1.4E+09		Chloroacetic Acid	79-11-8					1.6E+02	5.6E+02		1.2E+02
						3.0E-05	I			1	0.1		1.4E+09		Chloroacetophenone, 2-	532-27-4							4.3E+04	4.3E+04
2.0E-01	P			4.0E-03	I					1	0.1		1.4E+09		Chloroaniline, p-	106-47-8	3.2E+00	1.0E+01		2.4E+00	3.1E+02	1.1E+03		2.4E+02

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				2.0E-02	I	5.0E-02	P	V		1		7.6E+02	1.4E+09	6.9E+03	Chlorobenzene	108-90-7					1.6E+03		3.6E+02	2.9E+02
1.1E-01	C	3.1E-05	C	2.0E-02	I					1	0.1		1.4E+09		Chlorobenzilate	510-15-6	5.8E+00	1.8E+01	1.1E+05	4.4E+00	1.6E+03	5.6E+03		1.2E+03
				3.0E-02	X					1	0.1		1.4E+09		Chlorobenzoic Acid, p-	74-11-3					2.3E+03	8.4E+03		1.8E+03
				3.0E-03	P	3.0E-01	P	V		1		1.2E+02	1.4E+09	7.3E+03	Chlorobenzotrifluoride, 4-	98-56-6					2.3E+02		2.3E+03	2.1E+02
				4.0E-02	P			V		1		7.3E+02	1.4E+09	1.9E+03	Chlorobutane, 1-	109-69-3					3.1E+03			3.1E+03
						5.0E+01	I	V		1		1.7E+03	1.4E+09	1.0E+03	Chlorodifluoromethane	75-45-6							5.3E+04	5.3E+04
				2.0E-02	P					1	0.1		1.4E+09		Chloroethanol, 2-	107-07-3					1.6E+03	5.6E+03		1.2E+03
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1		2.5E+03	1.4E+09	2.8E+03	Chloroform	67-66-3	2.1E+01		3.0E-01	2.9E-01	7.8E+02		2.9E+02	2.1E+02
						9.0E-02	I	V		1		1.3E+03	1.4E+09	1.3E+03	Chloromethane	74-87-3							1.2E+02	1.2E+02
2.4E+00	C	6.9E-04	C					V		1		2.6E+04	1.4E+09	5.7E+03	Chloromethyl Methyl Ether	107-30-2	2.7E-01		2.0E-02	1.9E-02				
3.0E-01	P			3.0E-03	P	1.0E-05	X			1	0.1		1.4E+09		Chloronitrobenzene, o-	88-73-3	2.1E+00	6.7E+00		1.6E+00	2.3E+02	8.4E+02	1.4E+04	1.8E+02
6.3E-03	P			1.0E-03	P	6.0E-04	P			1	0.1		1.4E+09		Chloronitrobenzene, p-	100-00-5	1.0E+02	3.2E+02		7.7E+01	7.8E+01	2.8E+02	8.5E+05	6.1E+01
				5.0E-03	I			V		1		2.2E+04	1.4E+09	1.3E+05	Chlorophenol, 2-	95-57-8					3.9E+02			3.9E+02
						4.0E-04	C	V		1		6.2E+02	1.4E+09	5.0E+03	Chloropicrin	76-06-2							2.1E+00	2.1E+00
3.1E-03	C	8.9E-07	C	1.5E-02	I					1	0.1		1.4E+09		Chlorothalonil	1897-45-6	2.1E+02	6.5E+02	3.7E+06	1.6E+02	1.2E+03	4.2E+03		9.2E+02
				2.0E-02	I			V		1		9.1E+02	1.4E+09	8.7E+03	Chlorotoluene, o-	95-49-8					1.6E+03			1.6E+03
				2.0E-02	X			V		1		2.5E+02	1.4E+09	7.9E+03	Chlorotoluene, p-	106-43-4					1.6E+03			1.6E+03
2.4E+02	C	6.9E-02	C							1	0.1		1.4E+09		Chlorozotocin	54749-90-5	2.7E-03	8.4E-03	4.8E+01	2.0E-03				
				2.0E-01	I					1	0.1		1.4E+09		Chlorpropham	101-21-3					1.6E+04	5.6E+04		1.2E+04
				1.0E-03	A					1	0.1		1.4E+09		Chlorpyrifos	2921-88-2					7.8E+01	2.8E+02		6.1E+01
				1.0E-02	H					1	0.1		1.4E+09		Chlorpyrifos Methyl	5598-13-0					7.8E+02	2.8E+03		6.1E+02
				5.0E-02	I					1	0.1		1.4E+09		Chlorsulfuron	64902-72-3					3.9E+03	1.4E+04		3.1E+03
				8.0E-04	H					1	0.1		1.4E+09		Chlorthiophos	60238-56-4					6.3E+01	2.2E+02		4.9E+01
				1.5E+00	I					0.013			1.4E+09		Chromium(III), Insoluble Salts	16065-83-1					1.2E+05			1.2E+05
5.0E-01	J	8.4E-02	S	3.0E-03	I	1.0E-04	I		M	0.025			1.4E+09		Chromium(VI)	18540-29-9	3.0E-01		1.6E+01	2.9E-01	2.3E+02		1.4E+05	2.3E+02
										0.013			1.4E+09		Chromium, Total	7440-47-3								
		9.0E-03	P	3.0E-04	P	6.0E-06	P			1			1.4E+09		Cobalt	7440-48-4			3.7E+02	3.7E+02	2.3E+01		8.5E+03	2.3E+01
		6.2E-04	I						M	1	0.1				Coke Oven Emissions	8007-45-2								
				4.0E-02	H					1			1.4E+09		Copper	7440-50-8					3.1E+03			3.1E+03
				5.0E-02	I	6.0E-01	C			1	0.1		1.4E+09		Cresol, m-	108-39-4					3.9E+03	1.4E+04	8.5E+08	3.1E+03
				5.0E-02	I	6.0E-01	C			1	0.1		1.4E+09		Cresol, o-	95-48-7					3.9E+03	1.4E+04	8.5E+08	3.1E+03
				1.0E-01	A	6.0E-01	C			1	0.1		1.4E+09		Cresol, p-	106-44-5					7.8E+03	2.8E+04	8.5E+08	6.1E+03
				1.0E-01	A					1	0.1		1.4E+09		Cresol, p-chloro-m-	59-50-7					7.8E+03	2.8E+04		6.1E+03
				1.0E-01	A	6.0E-01	C			1	0.1		1.4E+09		Cresols	1319-77-3					7.8E+03	2.8E+04	8.5E+08	6.1E+03
1.9E+00	H			1.0E-03	P			V		1		1.7E+04	1.4E+09	2.0E+04	Crotonaldehyde, trans-	123-73-9	3.4E-01			3.4E-01	7.8E+01			7.8E+01
				1.0E-01	I	4.0E-01	I	V		1		2.7E+02	1.4E+09	6.7E+03	Cumene	98-82-8					7.8E+03		2.8E+03	2.1E+03
2.2E-01	C	6.3E-05	C							1	0.1		1.4E+09		Cupferron	135-20-6	2.9E+00	9.2E+00	5.3E+04	2.2E+00				
8.4E-01	H			2.0E-03	H					1	0.1		1.4E+09		Cyanazine	21725-46-2	7.6E-01	2.4E+00		5.8E-01	1.6E+02	5.6E+02		1.2E+02
															Cyanides									
				1.0E-03	I					1			1.4E+09		~Calcium Cyanide	592-01-8					7.8E+01			7.8E+01
				5.0E-03	I					1			1.4E+09		~Copper Cyanide	544-92-3					3.9E+02			3.9E+02
				6.0E-04	I	8.0E-04	S	V		1		1.0E+07	1.4E+09	5.0E+04	~Cyanide (CN-)	57-12-5					4.7E+01		4.2E+01	2.2E+01
				1.0E-03	I			V		1			1.4E+09		~Cyanogen	460-19-5					7.8E+01			7.8E+01
				9.0E-02	I			V		1			1.4E+09		~Cyanogen Bromide	506-68-3					7.0E+03			7.0E+03
				5.0E-02	I			V		1			1.4E+09		~Cyanogen Chloride	506-77-4					3.9E+03			3.9E+03
				6.0E-04	I	8.0E-04	I	V		1		1.0E+07	1.4E+09	5.6E+04	~Hydrogen Cyanide	74-90-8					4.7E+01		4.7E+01	2.3E+01
				2.0E-03	I					1			1.4E+09		~Potassium Cyanide	151-50-8					1.6E+02			1.6E+02
				5.0E-03	I					0.04			1.4E+09		~Potassium Silver Cyanide	506-61-6					3.9E+02			3.9E+02
				1.0E-01	I					0.04			1.4E+09		~Silver Cyanide	506-64-9					7.8E+03			7.8E+03
				1.0E-03	I					1			1.4E+09		~Sodium Cyanide	143-33-9					7.8E+01			7.8E+01
				2.0E-04	P					1			1.4E+09		~Thiocyanates	NA					1.6E+01			1.6E+01
				2.0E-04	X					1			1.4E+09		~Thiocyanic Acid	463-56-9								
				5.0E-02	I					1			1.4E+09		~Zinc Cyanide	557-21-1					3.9E+03			3.9E+03
						6.0E+00	I	V		1		1.2E+02	1.4E+09	1.1E+03	Cyclohexane	110-82-7							7.0E+03	7.0E+03
2.3E-02	H									1	0.1		1.4E+09		Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.8E+01	8.8E+01		2.1E+01				
				5.0E+00	I	7.0E-01	P			1	0.1		1.4E+09		Cyclohexanone	108-94-1					3.9E+05	1.4E+06	9.9E+08	3.1E+05
				5.0E-03	P	1.0E+00	X	V		1		2.8E+02	1.4E+09	1.4E+03	Cyclohexene	110-83-8					3.9E+02		1.5E+03	3.1E+02
				2.0E-01	I					1	0.1		1.4E+09		Cyclohexylamine	108-91-8					1.6E+04	5.6E+04		1.2E+04
				5.0E-03	I					1	0.1		1.4E+09		Cyhalothrin/karate	68085-85-8					3.9E+02	1.4E+03		3.1E+02
				1.0E-02	I					1	0.1		1.4E+09		Cypermethrin	52315-07-8					7.8E+02	2.8E+03		6.1E+02
				7.5E-03	I					1	0.1		1.4E+09		Cyromazine	66215-27-8					5.9E+02	2.1E+03		4.6E+02
2.4E-01	I	6.9E-05	C							1	0.1		1.4E+09		DDD	72-54-8	2.7E+00	8.4E+00	4.8E+04	2.0E+00				
3.4E-01	I	9.7E-05	C							1	0.1		1.4E+09		DDE, p,p'-	72-55-9	1.9E+00	5.9E+00	3.4E+04	1.4E+00				
3.4E-01	I	9.7E-05	I	5.0E-04	I					1	0.03		1.4E+09		DDT	50-29-3	1.9E+00	2.0E+01	3.4E+04	1.7E+00	3.9E+01	4.7E+02		3.6E+01
				1.0E-02	I					1	0.1		1.4E+09		Dacthal	1861-32-1					7.8E+02	2.8E+03		6.1E+02

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				3.0E-02	I					1	0.1		1.4E+09		Dalapon	75-99-0					2.3E+03	8.4E+03		1.8E+03
7.0E-04	I			7.0E-03	I					1	0.1		1.4E+09		Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	9.1E+02	2.9E+03		6.9E+02	5.5E+02	2.0E+03		4.3E+02
				4.0E-05	I					1	0.1		1.4E+09		Demeton	8065-48-3					3.1E+00	1.1E+01		2.4E+00
1.2E-03	I			6.0E-01	I					1	0.1		1.4E+09		Di(2-ethylhexyl)adipate	103-23-1	5.3E+02	1.7E+03		4.1E+02	4.7E+04	1.7E+05		3.7E+04
6.1E-02	H									1	0.1		1.4E+09		Diallate	2303-16-4	1.0E+01	3.3E+01		8.0E+00				
				7.0E-04	A					1	0.1		1.4E+09		Diazinon	333-41-5					5.5E+01	2.0E+02		4.3E+01
				1.0E-02	X			V		1			1.4E+09	4.4E+05	Dibenzothiophene	132-65-0					7.8E+02			7.8E+02
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1		9.8E+02	1.4E+09	3.4E+04	Dibromo-3-chloropropane, 1,2-	96-12-8	1.9E-01		5.5E-03	5.4E-03	1.6E+01		7.2E+00	4.9E+00
				1.0E-02	I					1	0.1		1.4E+09		Dibromobenzene, 1,4-	106-37-6					7.8E+02	2.8E+03		6.1E+02
8.4E-02	I	2.7E-05	C	2.0E-02	I			V		1	0.1	8.0E+02	1.4E+09	8.6E+03	Dibromochloromethane	124-48-1	7.6E+00	2.4E+01	7.7E-01	6.8E-01	1.6E+03	5.6E+03		1.2E+03
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.3E+03	1.4E+09	9.3E+03	Dibromoethane, 1,2-	106-93-4	3.2E-01		3.8E-02	3.4E-02	7.0E+02		8.7E+01	7.8E+01
				1.0E-02	H	4.0E-03	X	V		1		2.8E+03	1.4E+09	6.1E+03	Dibromomethane (Methylene Bromide)	74-95-3					7.8E+02		2.5E+01	2.5E+01
				3.0E-04	P					1	0.1		1.4E+09		Dibutyltin Compounds	NA					2.3E+01	8.4E+01		1.8E+01
				3.0E-02	I					1	0.1		1.4E+09		Dicamba	1918-00-9					2.3E+03	8.4E+03		1.8E+03
		4.2E-03	P					V		1		5.2E+02	1.4E+09	1.2E+04	Dichloro-2-butene, 1,4-	764-41-0			6.9E-03	6.9E-03				
		4.2E-03	P					V		1	0.1	5.2E+02	1.4E+09	1.2E+04	Dichloro-2-butene, cis-1,4-	1476-11-5			6.9E-03	6.9E-03				
		4.2E-03	P					V		1	0.1	7.6E+02	1.4E+09	1.2E+04	Dichloro-2-butene, trans-1,4-	110-57-6			6.9E-03	6.9E-03				
5.0E-02	I			4.0E-03	I					1	0.1		1.4E+09		Dichloroacetic Acid	79-43-6	1.3E+01	4.0E+01		9.7E+00	3.1E+02	1.1E+03		2.4E+02
				9.0E-02	I	2.0E-01	H	V		1		3.8E+02	1.4E+09	1.3E+04	Dichlorobenzene, 1,2-	95-50-1					7.0E+03		2.6E+03	1.9E+03
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		1			1.4E+09	1.1E+04	Dichlorobenzene, 1,4-	106-46-7	1.2E+02		2.5E+00	2.4E+00	5.5E+03		9.4E+03	3.5E+03
4.5E-01	I	3.4E-04	C							1	0.1		1.4E+09		Dichlorobenzidine, 3,3'-	91-94-1	1.4E+00	4.5E+00	9.7E+03	1.1E+00				
				9.0E-03	X					1	0.1		1.4E+09		Dichlorobenzophenone, 4,4'-	90-98-2					7.0E+02	2.5E+03		5.5E+02
				2.0E-01	I	1.0E-01	X	V		1		8.5E+02	1.4E+09	9.1E+02	Dichlorodifluoromethane	75-71-8					1.6E+04		9.4E+01	9.4E+01
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		1		1.7E+03	1.4E+09	2.2E+03	Dichloroethane, 1,1-	75-34-3	1.1E+02		3.4E+00	3.3E+00	1.6E+04			1.6E+04
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1		3.0E+03	1.4E+09	4.9E+03	Dichloroethane, 1,2-	107-06-2	7.0E+00		4.6E-01	4.3E-01	4.7E+02		3.6E+01	3.3E+01
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	1.4E+09	1.2E+03	Dichloroethylene, 1,1-	75-35-4					3.9E+03		2.6E+02	2.4E+02
				9.0E-03	H			V		1		1.3E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0					7.0E+02			7.0E+02
				2.0E-03	I			V		1		2.4E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2-cis-	156-59-2					1.6E+02			1.6E+02
				2.0E-02	I	6.0E-02	P	V		1		1.7E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2-trans-	156-60-5					1.6E+03		1.7E+02	1.5E+02
				3.0E-03	I					1	0.1		1.4E+09		Dichlorophenol, 2,4-	120-83-2					2.3E+02	8.4E+02		1.8E+02
				1.0E-02	I					1	0.05		1.4E+09		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7					7.8E+02	5.6E+03		6.9E+02
				8.0E-03	I					1	0.1		1.4E+09		Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6					6.3E+02	2.2E+03		4.9E+02
3.6E-02	C	1.0E-05	C	9.0E-02	A	4.0E-03	I	V		1		1.4E+03	1.4E+09	4.1E+03	Dichloropropane, 1,2-	78-87-5	1.8E+01		9.9E-01	9.4E-01	7.0E+03		1.7E+01	1.7E+01
				2.0E-02	P			V		1		1.5E+03	1.4E+09	7.3E+03	Dichloropropane, 1,3-	142-28-9					1.6E+03			1.6E+03
				3.0E-03	I					1	0.1		1.4E+09		Dichloropropanol, 2,3-	616-23-9					2.3E+02	8.4E+02		1.8E+02
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.6E+03	1.4E+09	3.8E+03	Dichloropropene, 1,3-	542-75-6	6.4E+00		2.3E+00	1.7E+00	2.3E+03		8.0E+01	7.7E+01
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		1.4E+09		Dichlorvos	62-73-7	2.2E+00	7.0E+00	4.0E+04	1.7E+00	3.9E+01	1.4E+02	7.1E+05	3.1E+01
				8.0E-03	P	7.0E-03	P	V		1			1.4E+09	4.4E+03	Dicyclopentadiene	77-73-6					6.3E+02		3.2E+01	3.1E+01
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		1.4E+09		Dieldrin	60-57-1	4.0E-02	1.3E-01	7.2E+02	3.0E-02	3.9E+00	1.4E+01		3.1E+00
		3.0E-04	C			5.0E-03	I			1	0.1				Diesel Engine Exhaust	NA								
				2.0E-03	P	2.0E-04	P			1	0.1		1.4E+09		Diethanolamine	111-42-2					1.6E+02	5.6E+02	2.8E+05	1.2E+02
				3.0E-02	P	1.0E-04	P			1	0.1		1.4E+09		Diethylene Glycol Monobutyl Ether	112-34-5					2.3E+03	8.4E+03	1.4E+05	1.8E+03
				6.0E-02	P	3.0E-04	P			1	0.1		1.4E+09		Diethylene Glycol Monoethyl Ether	111-90-0					4.7E+03	1.7E+04	4.3E+05	3.6E+03
				1.0E-03	P					1	0.1		1.4E+09		Diethylformamide	617-84-5					7.8E+01	2.8E+02		6.1E+01
3.5E+02	C	1.0E-01	C							1	0.1		1.4E+09		Diethylstilbestrol	56-53-1	1.8E-03	5.8E-03	3.3E+01	1.4E-03				
				8.0E-02	I					1	0.1		1.4E+09		Difenzoquat	43222-48-6					6.3E+03	2.2E+04		4.9E+03
				2.0E-02	I					1	0.1		1.4E+09		Diflubenzuron	35367-38-5					1.6E+03	5.6E+03		1.2E+03
						4.0E+01	I	V		1		1.4E+03	1.4E+09	1.2E+03	Difluoroethane, 1,1-	75-37-6							5.2E+04	5.2E+04
4.4E-02	C	1.3E-05	C					V		1	0.1		1.4E+09	1.3E+03	Dihydrosafrole	94-58-6	1.5E+01	4.6E+01	2.5E-01	2.4E-01				
						7.0E-01	P	V		1		2.3E+03	1.4E+09	3.3E+03	Diisopropyl Ether	108-20-3							2.4E+03	2.4E+03
				8.0E-02	I			V		1		5.3E+02	1.4E+09	3.1E+04	Diisopropyl Methylphosphonate	1445-75-6					6.3E+03			6.3E+03
				2.0E-02	I					1	0.1		1.4E+09		Dimethipin	55290-64-7					1.6E+03	5.6E+03		1.2E+03
				2.0E-04	I					1	0.1		1.4E+09		Dimethoate	60-51-5					1.6E+01	5.6E+01		1.2E+01
1.6E+00	P									1	0.1		1.4E+09		Dimethoxybenzidine, 3,3'-	119-90-4	4.0E-01	1.3E+00		3.0E-01				
1.7E-03	P			6.0E-02	P					1	0.1		1.4E+09		Dimethyl methylphosphonate	756-79-6	3.8E+02	1.2E+03		2.9E+02	4.7E+03	1.7E+04		3.7E+03
4.6E+00	C	1.3E-03	C							1	0.1		1.4E+09		Dimethylamino azobenzene [p-]	60-11-7	1.4E-01	4.4E-01	2.5E+03	1.1E-01				
5.8E-01	H									1	0.1		1.4E+09		Dimethylaniline HCl, 2,4-	21436-96-4	1.1E+00	3.5E+00		8.4E-01				
2.0E-01	P			2.0E-03	X					1	0.1		1.4E+09		Dimethylaniline, 2,4-	95-68-1	3.2E+00	1.0E+01		2.4E+00	1.6E+02	5.6E+02		1.2E+02
				2.0E-03	I			V		1		8.3E+02	1.4E+09	3.4E+04	Dimethylaniline, N,N-	121-69-7					1.6E+02			1.6E+02
1.1E+01	P									1	0.1		1.4E+09		Dimethylbenzidine, 3,3'-	119-93-7	5.8E-02	1.8E-01		4.4E-02				
				1.0E-01	P	3.0E-02	I			1	0.1		1.4E+09		Dimethylformamide	68-12-2					7.8E+03	2.8E+04	4.3E+07	6.1E+03
				1.0E-04	X	2.0E-06	X			1	0.1		1.4E+09		Dimethylhydrazine, 1,1-	57-14-7					7.8E+00	2.8E+01	2.8E+03	6.1E+00
5.5E+02	C	1.6E-01	C							1	0.1		1.4E+09		Dimethylhydrazine, 1,2-	540-73-8	1.2E-03	3.7E-03	2.1E+01	8.8E-04				
				2.0E-02	I					1	0.1		1.4E+09		Dimethylphenol, 2,4-	105-67-9					1.6E+03	5.6E+03		1.2E+03
				6.0E-04	I					1	0.1		1.4E+09		Dimethylphenol, 2,6-	576-26-1					4.7E+01	1.7E+02		3.7E+01

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				1.0E-03	I					1	0.1		1.4E+09		Dimethylphenol, 3,4-	95-65-8					7.8E+01	2.8E+02		6.1E+01
4.5E-02	C	1.3E-05	C					V		1	0.1	1.1E+03	1.4E+09	1.1E+03	Dimethylvinylchloride	513-37-1	1.4E+01	4.5E+01	2.0E-01	2.0E-01				
				8.0E-05	X					1	0.1		1.4E+09		Dinitro-o-cresol, 4,6-	534-52-1					6.3E+00	2.2E+01		4.9E+00
				2.0E-03	I					1	0.1		1.4E+09		Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5					1.6E+02	5.6E+02		1.2E+02
				1.0E-04	P					1	0.1		1.4E+09		Dinitrobenzene, 1,2-	528-29-0					7.8E+00	2.8E+01		6.1E+00
				1.0E-04	I					1	0.1		1.4E+09		Dinitrobenzene, 1,3-	99-65-0					7.8E+00	2.8E+01		6.1E+00
				1.0E-04	P					1	0.1		1.4E+09		Dinitrobenzene, 1,4-	100-25-4					7.8E+00	2.8E+01		6.1E+00
				2.0E-03	I					1	0.1		1.4E+09		Dinitrophenol, 2,4-	51-28-5					1.6E+02	5.6E+02		1.2E+02
6.8E-01	I									1	0.1		1.4E+09		Dinitrotoluene Mixture, 2,4/2,6-	NA	9.4E-01	3.0E+00		7.2E-01				
3.1E-01	C	8.9E-05	C	2.0E-03	I					1	0.102		1.4E+09		Dinitrotoluene, 2,4-	121-14-2	2.1E+00	6.4E+00	3.7E+04	1.6E+00	1.6E+02	5.5E+02		1.2E+02
1.5E+00	P			3.0E-04	X					1	0.099		1.4E+09		Dinitrotoluene, 2,6-	606-20-2	4.3E-01	1.4E+00		3.3E-01	2.3E+01	8.5E+01		1.8E+01
				2.0E-03	S					1	0.006		1.4E+09		Dinitrotoluene, 2-Amino-4,6-	35572-78-2					1.6E+02	9.3E+03		1.5E+02
				2.0E-03	S					1	0.009		1.4E+09		Dinitrotoluene, 4-Amino-2,6-	19406-51-0					1.6E+02	6.2E+03		1.5E+02
4.5E-01	X			9.0E-04	X					1	0.1		1.4E+09		Dinitrotoluene, Technical grade	25321-14-6	1.4E+00	4.5E+00		1.1E+00	7.0E+01	2.5E+02		5.5E+01
				1.0E-03	I					1	0.1		1.4E+09		Dinoseb	88-85-7					7.8E+01	2.8E+02		6.1E+01
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I			1	0.1		1.4E+09		Dioxane, 1,4-	123-91-1	6.4E+00	2.0E+01	6.6E+05	4.9E+00	2.3E+03	8.4E+03	4.3E+07	1.8E+03
															Dioxins									
6.2E+03	I	1.3E+00	I							1	0.03		1.4E+09		~Hexachlorodibenzo-p-dioxin, Mixture	NA	1.0E-04	1.1E-03	2.5E+00	9.4E-05				
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C			1	0.03		1.4E+09		~TCDD, 2,3,7,8-	1746-01-6	4.9E-06	5.2E-05	8.7E-02	4.5E-06	5.5E-05	6.5E-04	5.7E+01	5.1E-05
				3.0E-02	I					1	0.1		1.4E+09		Diphenamid	957-51-7					2.3E+03	8.4E+03		1.8E+03
				8.0E-04	X					1	0.1		1.4E+09		Diphenyl Sulfone	127-63-9					6.3E+01	2.2E+02		4.9E+01
				2.5E-02	I					1	0.1		1.4E+09		Diphenylamine	122-39-4					2.0E+03	7.0E+03		1.5E+03
8.0E-01	I	2.2E-04	I							1	0.1		1.4E+09		Diphenylhydrazine, 1,2-	122-66-7	8.0E-01	2.5E+00	1.5E+04	6.1E-01				
				2.2E-03	I					1	0.1		1.4E+09		Diquat	85-00-7					1.7E+02	6.1E+02		1.3E+02
7.4E+00	C	2.1E-03	C							1	0.1		1.4E+09		*Direct Black 38*	1937-37-7	8.7E-02	2.7E-01	1.6E+03	6.6E-02				
7.4E+00	C	2.1E-03	C							1	0.1		1.4E+09		Direct Blue 6	2602-46-2	8.7E-02	2.7E-01	1.6E+03	6.6E-02				
6.7E+00	C	1.9E-03	C							1	0.1		1.4E+09		Direct Brown 95	16071-86-6	9.6E-02	3.0E-01	1.7E+03	7.3E-02				
				4.0E-05	I					1	0.1		1.4E+09		Disulfoton	298-04-4					3.1E+00	1.1E+01		2.4E+00
				1.0E-02	I			V		1	0.1		1.4E+09	4.6E+04	Dithiane, 1,4-	505-29-3					7.8E+02	2.8E+03		6.1E+02
				2.0E-03	I					1	0.1		1.4E+09		Diuron	330-54-1					1.6E+02	5.6E+02		1.2E+02
				4.0E-03	I					1	0.1		1.4E+09		Dodine	2439-10-3					3.1E+02	1.1E+03		2.4E+02
				2.5E-02	I			V		1			1.4E+09	1.3E+05	EPTC	759-94-4					2.0E+03			2.0E+03
				6.0E-03	I					1	0.1		1.4E+09		Endosulfan	115-29-7					4.7E+02	1.7E+03		3.7E+02
				2.0E-02	I					1	0.1		1.4E+09		Endothall	145-73-3					1.6E+03	5.6E+03		1.2E+03
				3.0E-04	I					1	0.1		1.4E+09		Endrin	72-20-8					2.3E+01	8.4E+01		1.8E+01
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1		1.1E+04	1.4E+09	2.0E+04	Epichlorohydrin	106-89-8	6.5E+01		4.1E+01	2.5E+01	4.7E+02		2.1E+01	2.0E+01
						2.0E-02	I	V		1		1.5E+04	1.4E+09	8.2E+03	Epoxybutane, 1,2-	106-88-7							1.7E+02	1.7E+02
				5.0E-03	I					1	0.1		1.4E+09		Ethephon	16672-87-0					3.9E+02	1.4E+03		3.1E+02
				5.0E-04	I					1	0.1		1.4E+09		Ethion	563-12-2					3.9E+01	1.4E+02		3.1E+01
				1.0E-01	P	6.0E-02	P			1	0.1		1.4E+09		Ethoxyethanol Acetate, 2-	111-15-9					7.8E+03	2.8E+04	8.5E+07	6.1E+03
				9.0E-02	P	2.0E-01	I			1	0.1		1.4E+09		Ethoxyethanol, 2-	110-80-5					7.0E+03	2.5E+04	2.8E+08	5.5E+03
				9.0E-01	I	7.0E-02	P	V		1		1.1E+04	1.4E+09	9.3E+03	Ethyl Acetate	141-78-6					7.0E+04		6.8E+02	6.7E+02
4.8E-02	H							V		1		2.5E+03	1.4E+09	6.8E+03	Ethyl Acrylate	140-88-5	1.3E+01			1.3E+01				
						1.0E+01	I	V		1		2.1E+03	1.4E+09	1.4E+03	Ethyl Chloride (Chloroethane)	75-00-3							1.5E+04	1.5E+04
				2.0E-01	I			V		1		1.0E+04	1.4E+09	3.4E+03	Ethyl Ether	60-29-7					1.6E+04			1.6E+04
				9.0E-02	H	3.0E-01	P	V		1		1.1E+03	1.4E+09	6.2E+03	Ethyl Methacrylate	97-63-2					7.0E+03		1.9E+03	1.5E+03
				1.0E-05	I					1	0.1		1.4E+09		Ethyl-p-nitrophenyl Phosphonate	2104-64-5					7.8E-01	2.8E+00		6.1E-01
1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		1		4.8E+02	1.4E+09	6.1E+03	Ethylbenzene	100-41-4	5.8E+01		5.9E+00	5.4E+00	7.8E+03		6.4E+03	3.5E+03
				7.0E-02	P					1	0.1		1.4E+09		Ethylene Cyanohydrin	109-78-4					5.5E+03	2.0E+04		4.3E+03
				9.0E-02	P					1	0.1		1.4E+09		Ethylene Diamine	107-15-3					7.0E+03	2.5E+04		5.5E+03
				2.0E+00	I	4.0E-01	C			1	0.1		1.4E+09		Ethylene Glycol	107-21-1					1.6E+05	5.6E+05	5.7E+08	1.2E+05
				1.0E-01	I	1.6E+00	I			1	0.1		1.4E+09		Ethylene Glycol Monobutyl Ether	111-76-2					7.8E+03	2.8E+04	2.3E+09	6.1E+03
3.1E-01	C	8.8E-05	C			3.0E-02	C	V		1		1.2E+05	1.4E+09	6.6E+03	Ethylene Oxide	75-21-8	2.1E+00		1.8E-01	1.7E-01			2.0E+02	2.0E+02
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		1.4E+09		Ethylene Thiourea	96-45-7	1.4E+01	4.5E+01	2.5E+05	1.1E+01	6.3E+00	2.2E+01		4.9E+00
6.5E+01	C	1.9E-02	C					V		1	0.1	1.5E+05	1.4E+09	2.6E+04	Ethyleneimine	151-56-4	9.9E-03	3.1E-02	3.3E-03	2.3E-03				
				3.0E+00	I					1	0.1		1.4E+09		Ethylphthalyl Ethyl Glycolate	84-72-0					2.3E+05	8.4E+05		1.8E+05
				8.0E-03	I					1	0.1		1.4E+09		Express	101200-48-0					6.3E+02	2.2E+03		4.9E+02
				2.5E-04	I					1	0.1		1.4E+09		Fenamiphos	22224-92-6					2.0E+01	7.0E+01		1.5E+01
				2.5E-02	I					1	0.1		1.4E+09		Fenpropathrin	39515-41-8					2.0E+03	7.0E+03		1.5E+03
				1.3E-02	I					1	0.1		1.4E+09		Fluometuron	2164-17-2					1.0E+03	3.6E+03		7.9E+02
				4.0E-02	C	1.3E-02	C			1			1.4E+09		Fluoride	16984-48-8					3.1E+03		1.8E+07	3.1E+03
				6.0E-02	I	1.3E-02	C			1			1.4E+09		Fluorine (Soluble Fluoride)	7782-41-4					4.7E+03		1.8E+07	4.7E+03
				8.0E-02	I					1	0.1		1.4E+09		Fluridone	59756-60-4					6.3E+03	2.2E+04		4.9E+03
				2.0E-02	I					1	0.1		1.4E+09		Flurprimidol	56425-91-3					1.6E+03	5.6E+03		1.2E+03
				6.0E-02	I					1	0.1		1.4E+09		Flutolanil	66332-96-5					4.7E+03	1.7E+04		3.7E+03

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				1.0E-02	I					1	0.1		1.4E+09		Fluvalinate	69409-94-5					7.8E+02	2.8E+03		6.1E+02
3.5E-03	I			1.0E-01	I					1	0.1		1.4E+09		Folpet	133-07-3	1.8E+02	5.8E+02		1.4E+02	7.8E+03	2.8E+04		6.1E+03
1.9E-01	I									1	0.1		1.4E+09		Fomesafen	72178-02-0	3.4E+00	1.1E+01		2.6E+00				
				2.0E-03	I					1	0.1		1.4E+09		Fonofos	944-22-9					1.6E+02	5.6E+02		1.2E+02
		1.3E-05	I	2.0E-01	I	9.8E-03	A			1	0.1		1.4E+09		Formaldehyde	50-00-0			2.5E+05	2.5E+05	1.6E+04	5.6E+04	1.4E+07	1.2E+04
				9.0E-01	P	3.0E-04	X			1	0.1		1.4E+09		Formic Acid	64-18-6					7.0E+04	2.5E+05	4.3E+05	4.9E+04
				3.0E+00	I					1	0.1		1.4E+09		Fosetyl-AL	39148-24-8					2.3E+05	8.4E+05		1.8E+05
															Furans									
				1.0E-03	X			V		1			1.4E+09	2.1E+05	~Dibenzofuran	132-64-9					7.8E+01			7.8E+01
				1.0E-03	I			V		1		6.2E+03	1.4E+09	2.8E+03	~Furan	110-00-9					7.8E+01			7.8E+01
				9.0E-01	I	2.0E+00	I	V		1	0.1	1.7E+05	1.4E+09	1.3E+04	~Tetrahydrofuran	109-99-9					7.0E+04	2.5E+05	2.7E+04	1.8E+04
3.8E+00	H									1	0.1		1.4E+09		Furazolidone	67-45-8	1.7E-01	5.3E-01		1.3E-01				
				3.0E-03	I	5.0E-02	H			1	0.1		1.4E+09		Furfural	98-01-1					2.3E+02	8.4E+02	7.1E+07	1.8E+02
1.5E+00	C	4.3E-04	C							1	0.1		1.4E+09		Furium	531-82-8	4.3E-01	1.3E+00	7.7E+03	3.2E-01				
3.0E-02	I	8.6E-06	C							1	0.1		1.4E+09		Furmecyclox	60568-05-0	2.1E+01	6.7E+01	3.8E+05	1.6E+01				
				4.0E-04	I					1	0.1		1.4E+09		Glufosinate, Ammonium	77182-82-2					3.1E+01	1.1E+02		2.4E+01
						8.0E-05	C			1	0.1		1.4E+09		Glutaraldehyde	111-30-8							1.1E+05	1.1E+05
				4.0E-04	I	1.0E-03	H			1	0.1		1.4E+09		Glycidyl	765-34-4					3.1E+01	1.1E+02	1.4E+06	2.4E+01
				1.0E-01	I					1	0.1		1.4E+09		Glyphosate	1071-83-6					7.8E+03	2.8E+04		6.1E+03
				3.0E-03	I					1	0.1		1.4E+09		Goal	42874-03-3					2.3E+02	8.4E+02		1.8E+02
				3.0E-03	A	1.0E-02	A			1	0.1		1.4E+09		Guthion	86-50-0					2.3E+02	8.4E+02	1.4E+07	1.8E+02
				5.0E-05	I					1	0.1		1.4E+09		Haloxyfop, Methyl	69806-40-2					3.9E+00	1.4E+01		3.1E+00
				1.3E-02	I					1	0.1		1.4E+09		Harmony	79277-27-3					1.0E+03	3.6E+03		7.9E+02
4.5E+00	I	1.3E-03	I	5.0E-04	I					1	0.1		1.4E+09		Heptachlor	76-44-8	1.4E-01	4.5E-01	2.5E+03	1.1E-01	3.9E+01	1.4E+02		3.1E+01
9.1E+00	I	2.6E-03	I	1.3E-05	I					1	0.1		1.4E+09		Heptachlor Epoxide	1024-57-3	7.0E-02	2.2E-01	1.3E+03	5.3E-02	1.0E+00	3.6E+00		7.9E-01
				2.0E-03	I					1	0.1		1.4E+09		Hexabromobenzene	87-82-1					1.6E+02	5.6E+02		1.2E+02
				2.0E-04	I					1	0.1		1.4E+09		Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2					1.6E+01	5.6E+01		1.2E+01
1.6E+00	I	4.6E-04	I	8.0E-04	I					1	0.1		1.4E+09		Hexachlorobenzene	118-74-1	4.0E-01	1.3E+00	7.2E+03	3.0E-01	6.3E+01	2.2E+02		4.9E+01
7.8E-02	I	2.2E-05	I	1.0E-03	P					1	0.1		1.4E+09		Hexachlorobutadiene	87-68-3	8.2E+00	2.6E+01	1.5E+05	6.2E+00	7.8E+01	2.8E+02		6.1E+01
6.3E+00	I	1.8E-03	I	8.0E-03	A					1	0.1		1.4E+09		Hexachlorocyclohexane, Alpha-	319-84-6	1.0E-01	3.2E-01	1.8E+03	7.7E-02	6.3E+02	2.2E+03		4.9E+02
1.8E+00	I	5.3E-04	I							1	0.1		1.4E+09		Hexachlorocyclohexane, Beta-	319-85-7	3.6E-01	1.1E+00	6.2E+03	2.7E-01				
1.1E+00	C	3.1E-04	C	3.0E-04	I					1	0.04		1.4E+09		Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	5.8E-01	4.6E+00	1.1E+04	5.2E-01	2.3E+01	2.1E+02		2.1E+01
1.8E+00	I	5.1E-04	I							1	0.1		1.4E+09		Hexachlorocyclohexane, Technical	608-73-1	3.6E-01	1.1E+00	6.5E+03	2.7E-01				
				6.0E-03	I	2.0E-04	I			1	0.1		1.4E+09		Hexachlorocyclopentadiene	77-47-4					4.7E+02	1.7E+03	2.8E+05	3.7E+02
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I			1	0.1		1.4E+09		Hexachloroethane	67-72-1	1.6E+01	5.1E+01	3.0E+05	1.2E+01	5.5E+01	2.0E+02	4.3E+07	4.3E+01
				3.0E-04	I					1	0.1		1.4E+09		Hexachlorophene	70-30-4					2.3E+01	8.4E+01		1.8E+01
1.1E-01	I			3.0E-03	I					1	0.015		1.4E+09		Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	5.8E+00	1.2E+02		5.6E+00	2.3E+02	5.6E+03		2.3E+02
						1.0E-05	I	V		1		5.2E+03	1.4E+09	3.2E+05	Hexamethylene Diisocyanate, 1,6-	822-06-0							3.4E+00	3.4E+00
				4.0E-04	P					1	0.1		1.4E+09		Hexamethylphosphoramide	680-31-9					3.1E+01	1.1E+02		2.4E+01
				6.0E-02	H	7.0E-01	I	V		1		1.4E+02	1.4E+09	8.9E+02	Hexane, N-	110-54-3					4.7E+03		6.5E+02	5.7E+02
				2.0E+00	P					1	0.1		1.4E+09		Hexanedioic Acid	124-04-9					1.6E+05	5.6E+05		1.2E+05
				5.0E-03	I	3.0E-02	I	V		1		3.3E+03	1.4E+09	1.4E+04	Hexanone, 2-	591-78-6					3.9E+02		4.5E+02	2.1E+02
				3.3E-02	I					1	0.1		1.4E+09		Hexazinone	51235-04-2					2.6E+03	9.2E+03		2.0E+03
3.0E+00	I	4.9E-03	I			3.0E-05	P			1			1.4E+09		Hydrazine	302-01-2	2.1E-01		6.8E+02	2.1E-01			4.3E+04	4.3E+04
3.0E+00	I	4.9E-03	I							1			1.4E+09		Hydrazine Sulfate	10034-93-2	2.1E-01		6.8E+02	2.1E-01				
						2.0E-02	I			1			1.4E+09		Hydrogen Chloride	7647-01-0							2.8E+07	2.8E+07
				4.0E-02	C	1.4E-02	C			1			1.4E+09		Hydrogen Fluoride	7664-39-3					3.1E+03		2.0E+07	3.1E+03
						2.0E-03	I			1			1.4E+09		Hydrogen Sulfide	7783-06-4							2.8E+06	2.8E+06
6.0E-02	P			4.0E-02	P					1	0.1		1.4E+09		Hydroquinone	123-31-9	1.1E+01	3.4E+01		8.1E+00	3.1E+03	1.1E+04		2.4E+03
				1.3E-02	I					1	0.1		1.4E+09		Imazalil	35554-44-0					1.0E+03	3.6E+03		7.9E+02
				2.5E-01	I					1	0.1		1.4E+09		Imazaquin	81335-37-7					2.0E+04	7.0E+04		1.5E+04
				1.0E-02	A					1			1.4E+09		Iodine	7553-56-2					7.8E+02			7.8E+02
				4.0E-02	I					1	0.1		1.4E+09		Iprodione	36734-19-7					3.1E+03	1.1E+04		2.4E+03
				7.0E-01	P					1			1.4E+09		Iron	7439-89-6					5.5E+04			5.5E+04
				3.0E-01	I					1	0.1		1.4E+09		Isobutyl Alcohol	78-83-1					2.3E+04	8.4E+04		1.8E+04
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		1.4E+09		Isophorone	78-59-1	6.7E+02	2.1E+03		5.1E+02	1.6E+04	5.6E+04	2.8E+09	1.2E+04
				1.5E-02	I					1	0.1		1.4E+09		Isopropalin	33820-53-0					1.2E+03	4.2E+03		9.2E+02
						7.0E+00	C			1	0.1		1.4E+09		Isopropanol	67-63-0							9.9E+09	9.9E+09
				1.0E-01	I					1	0.1		1.4E+09		Isopropyl Methyl Phosphonic Acid	1832-54-8					7.8E+03	2.8E+04		6.1E+03
				5.0E-02	I					1	0.1		1.4E+09		Isoxaben	82558-50-7					3.9E+03	1.4E+04		3.1E+03
						3.0E-01	A	V		1			1.4E+09		JP-7	NA							4.3E+08	4.3E+08
				7.5E-02	I					1	0.1		1.4E+09		Kerb	23950-58-5					5.9E+03	2.1E+04		4.6E+03
				2.0E-03	I					1	0.1		1.4E+09		Lactofen	77501-63-4					1.6E+02	5.6E+02		1.2E+02
															Lead Compounds									
2.8E-01	C	8.0E-05	C							1	0.1		1.4E+09		~Lead acetate	301-04-2	2.3E+00	7.2E+00	4.1E+04	1.7E+00				

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
										1			1.4E+09		~Lead and Compounds	7439-92-1								4.0E+02
3.8E-02	C	1.1E-05	C							1	0.1		1.4E+09		~Lead subacetate	1335-32-6	1.7E+01	5.3E+01	3.0E+05	1.3E+01				
				1.0E-07	I					1	0.1		1.4E+09		~Tetraethyl Lead	78-00-2					7.8E-03	2.8E-02		6.1E-03
				2.0E-03	I					1	0.1		1.4E+09		Linuron	330-55-2					1.6E+02	5.6E+02		1.2E+02
				2.0E-03	P					1			1.4E+09		Lithium	7439-93-2					1.6E+02			1.6E+02
				2.0E-01	I					1	0.1		1.4E+09		Londax	83055-99-6					1.6E+04	5.6E+04		1.2E+04
				5.0E-04	I					1	0.1		1.4E+09		MCPA	94-74-6					3.9E+01	1.4E+02		3.1E+01
				1.0E-02	I					1	0.1		1.4E+09		MCPB	94-81-5					7.8E+02	2.8E+03		6.1E+02
				1.0E-03	I					1	0.1		1.4E+09		MCPP	93-65-2					7.8E+01	2.8E+02		6.1E+01
				2.0E-02	I					1	0.1		1.4E+09		Malathion	121-75-5					1.6E+03	5.6E+03		1.2E+03
				1.0E-01	I	7.0E-04	C			1	0.1		1.4E+09		Maleic Anhydride	108-31-6					7.8E+03	2.8E+04	9.9E+05	6.1E+03
				5.0E-01	I					1	0.1		1.4E+09		Maleic Hydrazide	123-33-1					3.9E+04	1.4E+05		3.1E+04
				1.0E-04	P					1	0.1		1.4E+09		Malononitrile	109-77-3					7.8E+00	2.8E+01		6.1E+00
				3.0E-02	H					1	0.1		1.4E+09		Mancozeb	8018-01-7					2.3E+03	8.4E+03		1.8E+03
				5.0E-03	I					1	0.1		1.4E+09		Maneb	12427-38-2					3.9E+02	1.4E+03		3.1E+02
				1.4E-01	I	5.0E-05	I			1					Manganese (Diet)	7439-96-5								
				2.4E-02	S	5.0E-05	I			0.04			1.4E+09		Manganese (Non-diet)	7439-96-5					1.9E+03		7.1E+04	1.8E+03
				9.0E-05	H					1	0.1		1.4E+09		Mephosfolan	950-10-7					7.0E+00	2.5E+01		5.5E+00
				3.0E-02	I					1	0.1		1.4E+09		Mepiquat Chloride	24307-26-4					2.3E+03	8.4E+03		1.8E+03
															Mercury Compounds									
				3.0E-04	I	3.0E-04	S			0.07			1.4E+09		~Mercuric Chloride (and other Mercury salts)	7487-94-7					2.3E+01		4.3E+05	2.3E+01
						3.0E-04	I	V		1		3.1E+00	1.4E+09	3.2E+04	~Mercury (elemental)	7439-97-6							1.0E+01	1.0E+01
				1.0E-04	I					1			1.4E+09		~Methyl Mercury	22967-92-6					7.8E+00			7.8E+00
				8.0E-05	I					1	0.1		1.4E+09		~Phenylmercuric Acetate	62-38-4					6.3E+00	2.2E+01		4.9E+00
				3.0E-05	I					1	0.1		1.4E+09		Merphos	150-50-5					2.3E+00	8.4E+00		1.8E+00
				3.0E-05	I					1	0.1		1.4E+09		Merphos Oxide	78-48-8					2.3E+00	8.4E+00		1.8E+00
				6.0E-02	I					1	0.1		1.4E+09		Metalaxyl	57837-19-1					4.7E+03	1.7E+04		3.7E+03
				1.0E-04	I	3.0E-02	P	V		1		4.6E+03	1.4E+09	7.3E+03	Methacrylonitrile	126-98-7					7.8E+00		2.3E+02	7.6E+00
				5.0E-05	I					1	0.1		1.4E+09		Methamidophos	10265-92-6					3.9E+00	1.4E+01		3.1E+00
				2.0E+00	I	2.0E+01	I			1	0.1		1.4E+09		Methanol	67-56-1					1.6E+05	5.6E+05	2.8E+10	1.2E+05
				1.0E-03	I					1	0.1		1.4E+09		Methidathion	950-37-8					7.8E+01	2.8E+02		6.1E+01
				2.5E-02	I					1	0.1		1.4E+09		Methomyl	16752-77-5					2.0E+03	7.0E+03		1.5E+03
4.9E-02	C	1.4E-05	C							1	0.1		1.4E+09		Methoxy-5-nitroaniline, 2-	99-59-2	1.3E+01	4.1E+01	2.4E+05	9.9E+00				
				5.0E-03	I					1	0.1		1.4E+09		Methoxychlor	72-43-5					3.9E+02	1.4E+03		3.1E+02
				8.0E-03	P	1.0E-03	P			1	0.1		1.4E+09		Methoxyethanol Acetate, 2-	110-49-6					6.3E+02	2.2E+03	1.4E+06	4.9E+02
				5.0E-03	P	2.0E-02	I			1	0.1		1.4E+09		Methoxyethanol, 2-	109-86-4					3.9E+02	1.4E+03	2.8E+07	3.1E+02
				1.0E+00	X			V		1		2.9E+04	1.4E+09	8.7E+03	Methyl Acetate	79-20-9					7.8E+04			7.8E+04
				3.0E-02	H	2.0E-02	P	V		1		6.8E+03	1.4E+09	7.5E+03	Methyl Acrylate	96-33-3					2.3E+03		1.6E+02	1.5E+02
				6.0E-01	I	5.0E+00	I	V		1		2.8E+04	1.4E+09	1.3E+04	Methyl Ethyl Ketone (2-Butanone)	78-93-3					4.7E+04		6.8E+04	2.8E+04
		1.0E-03	X	1.0E-03	P	2.0E-05	X			1	0.1		1.4E+09		Methyl Hydrazine	60-34-4			3.3E+03	3.3E+03	7.8E+01	2.8E+02	2.8E+04	6.1E+01
				8.0E-02	H	3.0E+00	I	V		1		3.4E+03	1.4E+09	1.1E+04	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1					6.3E+03		3.6E+04	5.3E+03
						1.0E-03	C	V		1	0.1	1.7E+04	1.4E+09	4.8E+03	Methyl Isocyanate	624-83-9							5.0E+00	5.0E+00
				1.4E+00	I	7.0E-01	I	V		1		2.4E+03	1.4E+09	6.8E+03	Methyl Methacrylate	80-62-6					1.1E+05		5.0E+03	4.8E+03
				2.5E-04	I					1	0.1		1.4E+09		Methyl Parathion	298-00-0					2.0E+01	7.0E+01		1.5E+01
				6.0E-02	X					1	0.1		1.4E+09		Methyl Phosphonic Acid	993-13-5					4.7E+03	1.7E+04		3.7E+03
				6.0E-03	H	4.0E-02	H	V		1		3.9E+02	1.4E+09	1.2E+04	Methyl Styrene (Mixed Isomers)	25013-15-4					4.7E+02		4.8E+02	2.4E+02
9.9E-02	C	2.8E-05	C							1	0.1		1.4E+09		Methyl methanesulfonate	66-27-3	6.5E+00	2.0E+01	1.2E+05	4.9E+00				
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1		8.9E+03	1.4E+09	5.3E+03	Methyl tert-Butyl Ether (MTBE)	1634-04-4	3.6E+02		4.9E+01	4.3E+01			1.7E+04	1.7E+04
				3.0E-04	X					1	0.1		1.4E+09		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2					2.3E+01	8.4E+01		1.8E+01
9.0E-03	P			2.0E-02	X					1	0.1		1.4E+09		Methyl-5-Nitroaniline, 2-	99-55-8	7.1E+01	2.2E+02		5.4E+01	1.6E+03	5.6E+03		1.2E+03
8.3E+00	C	2.4E-03	C							1	0.1		1.4E+09		Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	7.7E-02	2.4E-01	1.4E+03	5.9E-02				
1.3E-01	C	3.7E-05	C							1	0.1		1.4E+09		Methylaniline Hydrochloride, 2-	636-21-5	4.9E+00	1.6E+01	8.9E+04	3.7E+00				
				1.0E-02	A					1	0.1		1.4E+09		Methylarsonic acid	124-58-3					7.8E+02	2.8E+03		6.1E+02
				2.0E-04	X					1	0.1		1.4E+09		Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7					1.6E+01	5.6E+01		1.2E+01
1.0E-01	X			3.0E-04	X					1	0.1		1.4E+09		Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	6.4E+00	2.0E+01		4.9E+00	2.3E+01	8.4E+01		1.8E+01
2.2E+01	C	6.3E-03	C						M	1	0.1		1.4E+09		Methylcholanthrene, 3-	56-49-5	6.8E-03	2.3E-02	2.1E+02	5.2E-03				
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	1		3.3E+03	1.4E+09	2.4E+03	Methylene Chloride	75-09-2	7.5E+01		2.3E+02	5.6E+01	4.7E+02		1.5E+03	3.6E+02
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	1	0.1		1.4E+09		Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.5E+00	5.1E+00	3.0E+03	1.2E+00	1.6E+02	5.6E+02		1.2E+02
4.6E-02	I	1.3E-05	C							1	0.1		1.4E+09		Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.4E+01	4.4E+01	2.5E+05	1.1E+01				
1.6E+00	C	4.6E-04	C			2.0E-02	C			1	0.1		1.4E+09		Methylenebisbenzenamine, 4,4'-	101-77-9	4.0E-01	1.3E+00	7.2E+03	3.0E-01			2.8E+07	2.8E+07
						6.0E-04	I			1	0.1		1.4E+09		Methylenediphenyl Diisocyanate	101-68-8							8.5E+05	8.5E+05
				7.0E-02	H			V		1		5.0E+02	1.4E+09	1.4E+04	Methylstyrene, Alpha-	98-83-9					5.5E+03			5.5E+03
				1.5E-01	I					1	0.1		1.4E+09		Metolachlor	51218-45-2					1.2E+04	4.2E+04		9.2E+03
				2.5E-02	I					1	0.1		1.4E+09		Metribuzin	21087-64-9					2.0E+03	7.0E+03		1.5E+03
				3.0E+00	P			V		1	0.1	3.4E-01	1.4E+09	1.1E+03	Mineral oils	8012-95-1					2.3E+05	8.4E+05		1.8E+05

R1F-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.8E+01	C	5.1E-03	C	2.0E-04	I					1	0.1		1.4E+09		Mirex	2385-85-5	3.6E-02	1.1E-01	6.5E+02	2.7E-02	1.6E+01	5.6E+01		1.2E+01
				2.0E-03	I					1	0.1		1.4E+09		Molinate	2212-67-1					1.6E+02	5.6E+02		1.2E+02
				5.0E-03	I					1			1.4E+09		Molybdenum	7439-98-7					3.9E+02			3.9E+02
				1.0E-01	I					1			1.4E+09		Monochloramine	10599-90-3					7.8E+03			7.8E+03
				2.0E-03	P					1	0.1		1.4E+09		Monomethylaniline	100-61-8					1.6E+02	5.6E+02		1.2E+02
				3.0E-04	X					1	0.1		1.4E+09		N,N'-Diphenyl-1,4-benzenediamine	74-31-7					2.3E+01	8.4E+01		1.8E+01
				2.0E-03	I					1	0.1		1.4E+09		Naled	300-76-5					1.6E+02	5.6E+02		1.2E+02
				3.0E-02	X	1.0E-01	P	V		1			1.4E+09		Naphtha, High Flash Aromatic (HFAN)	64724-95-6					2.3E+03		1.4E+08	2.3E+03
1.8E+00	C	0.0E+00	C							1	0.1		1.4E+09		Naphthylamine, 2-	91-59-8	3.6E-01	1.1E+00		2.7E-01				
				1.0E-01	I					1	0.1		1.4E+09		Napropamide	15299-99-7					7.8E+03	2.8E+04		6.1E+03
				1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Carbonyl	13463-39-3					8.6E+02		2.0E+04	8.2E+02
				1.1E-02	C	2.0E-05	C			1			1.4E+09		Nickel Oxide	1313-99-1					8.6E+02		2.8E+04	8.4E+02
		2.4E-04	I	1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Refinery Dust	NA			1.4E+04	1.4E+04	8.6E+02		2.0E+04	8.2E+02
		2.6E-04	C	2.0E-02	I	9.0E-05	A			0.04			1.4E+09		Nickel Soluble Salts	7440-02-0			1.3E+04	1.3E+04	1.6E+03		1.3E+05	1.5E+03
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Subsulfide	12035-72-2	3.8E-01		6.9E+03	3.8E-01	8.6E+02		2.0E+04	8.2E+02
				1.6E+00	I					1			1.4E+09		Nitrate	14797-55-8					1.3E+05			1.3E+05
										1			1.4E+09		Nitrate + Nitrite (as N)	NA								
				1.0E-01	I					1			1.4E+09		Nitrite	14797-65-0					7.8E+03			7.8E+03
				1.0E-02	X	5.0E-05	X			1	0.1		1.4E+09		Nitroaniline, 2-	88-74-4					7.8E+02	2.8E+03	7.1E+04	6.1E+02
2.0E-02	P			4.0E-03	P	6.0E-03	P			1	0.1		1.4E+09		Nitroaniline, 4-	100-01-6	3.2E+01	1.0E+02		2.4E+01	3.1E+02	1.1E+03	8.5E+06	2.4E+02
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		1		3.1E+03	1.4E+09	7.9E+04	Nitrobenzene	98-95-3			4.8E+00	4.8E+00	1.6E+02		7.4E+02	1.3E+02
				3.0E+03	P					1	0.1		1.4E+09		Nitrocellulose	9004-70-0					2.3E+08	8.4E+08		1.8E+08
				7.0E-02	H					1	0.1		1.4E+09		Nitrofurantoin	67-20-9					5.5E+03	2.0E+04		4.3E+03
1.3E+00	C	3.7E-04	C							1	0.1		1.4E+09		Nitrofurazone	59-87-0	4.9E-01	1.6E+00	8.9E+03	3.7E-01				
1.7E-02	P			1.0E-04	P					1	0.1		1.4E+09		Nitroglycerin	55-63-0	3.8E+01	1.2E+02		2.9E+01	7.8E+00	2.8E+01		6.1E+00
				1.0E-01	I					1	0.1		1.4E+09		Nitroguanidine	556-88-7					7.8E+03	2.8E+04		6.1E+03
		8.8E-06	P			5.0E-03	P	V		1		1.8E+04	1.4E+09	1.8E+04	Nitromethane	75-52-5			5.0E+00	5.0E+00			9.5E+01	9.5E+01
		2.7E-03	H			2.0E-02	I	V		1		4.9E+03	1.4E+09	1.4E+04	Nitropropane, 2-	79-46-9			1.3E-02	1.3E-02			2.9E+02	2.9E+02
2.7E+01	C	7.7E-03	C						M	1	0.1		1.4E+09		Nitroso-N-ethylurea, N-	759-73-9	5.5E-03	1.9E-02	1.7E+02	4.3E-03				
1.2E+02	C	3.4E-02	C						M	1	0.1		1.4E+09		Nitroso-N-methylurea, N-	684-93-5	1.2E-03	4.2E-03	3.8E+01	9.6E-04				
5.4E+00	I	1.6E-03	I					V		1			1.4E+09	2.1E+05	Nitroso-di-N-butylamine, N-	924-16-3	1.2E-01		3.2E-01	8.7E-02				
7.0E+00	I	2.0E-03	C							1	0.1		1.4E+09		Nitroso-di-N-propylamine, N-	621-64-7	9.1E-02	2.9E-01	1.7E+03	6.9E-02				
2.8E+00	I	8.0E-04	C							1	0.1		1.4E+09		Nitrosodiethanolamine, N-	1116-54-7	2.3E-01	7.2E-01	4.1E+03	1.7E-01				
1.5E+02	I	4.3E-02	I						M	1	0.1		1.4E+09		Nitrosodiethylamine, N-	55-18-5	9.9E-04	3.4E-03	3.0E+01	7.7E-04				
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X		M	1	0.1		1.4E+09		Nitrosodimethylamine, N-	62-75-9	2.9E-03	9.9E-03	9.3E+01	2.3E-03	6.3E-01	2.2E+00	5.7E+04	4.9E-01
4.9E-03	I	2.6E-06	C							1	0.1		1.4E+09		Nitrosodiphenylamine, N-	86-30-6	1.3E+02	4.1E+02	1.3E+06	9.9E+01				
2.2E+01	I	6.3E-03	C							1	0.1		1.4E+09		Nitrosomethylethylamine, N-	10595-95-6	2.9E-02	9.2E-02	5.3E+02	2.2E-02				
6.7E+00	C	1.9E-03	C							1	0.1		1.4E+09		Nitrosomorpholine [N-]	59-89-2	9.6E-02	3.0E-01	1.7E+03	7.3E-02				
9.4E+00	C	2.7E-03	C							1	0.1		1.4E+09		Nitrosopiperidine [N-]	100-75-4	6.8E-02	2.2E-01	1.2E+03	5.2E-02				
2.1E+00	I	6.1E-04	I							1	0.1		1.4E+09		Nitrosopyrrolidine, N-	930-55-2	3.0E-01	9.6E-01	5.4E+03	2.3E-01				
				1.0E-04	X					1	0.1		1.4E+09		Nitrotoluene, m-	99-08-1					7.8E+00	2.8E+01		6.1E+00
2.2E-01	P			9.0E-04	P			V		1		1.5E+03	1.4E+09	1.5E+05	Nitrotoluene, o-	88-72-2	2.9E+00			2.9E+00	7.0E+01			7.0E+01
1.6E-02	P			4.0E-03	P					1	0.1		1.4E+09		Nitrotoluene, p-	99-99-0	4.0E+01	1.3E+02		3.0E+01	3.1E+02	1.1E+03		2.4E+02
				3.0E-04	X	2.0E-02	P	V		1		6.9E+00	1.4E+09	1.1E+03	Nonane, n-	111-84-2					2.3E+01		2.3E+01	1.2E+01
				4.0E-02	I					1	0.1		1.4E+09		Norflurazon	27314-13-2					3.1E+03	1.1E+04		2.4E+03
				7.0E-04	I					1	0.1		1.4E+09		Nustar	85509-19-9					5.5E+01	2.0E+02		4.3E+01
				3.0E-03	I					1	0.1		1.4E+09		Octabromodiphenyl Ether	32536-52-0					2.3E+02	8.4E+02		1.8E+02
				5.0E-02	I					1	0.006		1.4E+09		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0					3.9E+03	2.3E+05		3.8E+03
				2.0E-03	H					1	0.1		1.4E+09		Octamethylpyrophosphoramide	152-16-9					1.6E+02	5.6E+02		1.2E+02
				5.0E-02	I					1	0.1		1.4E+09		Oryzalin	19044-88-3					3.9E+03	1.4E+04		3.1E+03
				5.0E-03	I					1	0.1		1.4E+09		Oxadiazon	19666-30-9					3.9E+02	1.4E+03		3.1E+02
				2.5E-02	I					1	0.1		1.4E+09		Oxamyl	23135-22-0					2.0E+03	7.0E+03		1.5E+03
				1.3E-02	I					1	0.1		1.4E+09		Paclobutrazol	76738-62-0					1.0E+03	3.6E+03		7.9E+02
				4.5E-03	I					1	0.1		1.4E+09		Paraquat Dichloride	1910-42-5					3.5E+02	1.3E+03		2.7E+02
				6.0E-03	H					1	0.1		1.4E+09		Parathion	56-38-2					4.7E+02	1.7E+03		3.7E+02
				5.0E-02	H					1	0.1		1.4E+09		Pebulate	1114-71-2					3.9E+03	1.4E+04		3.1E+03
				4.0E-02	I					1	0.1		1.4E+09		Pendimethalin	40487-42-1					3.1E+03	1.1E+04		2.4E+03
				2.0E-03	I					1	0.1		1.4E+09		Pentabromodiphenyl Ether	32534-81-9					1.6E+02	5.6E+02		1.2E+02
				1.0E-04	I					1	0.1		1.4E+09		Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9					7.8E+00	2.8E+01		6.1E+00
				8.0E-04	I					1	0.1		1.4E+09		Pentachlorobenzene	608-93-5					6.3E+01	2.2E+02		4.9E+01
9.0E-02	P									1	0.1		1.4E+09		Pentachloroethane	76-01-7	7.1E+00	2.2E+01		5.4E+00				
2.6E-01	H			3.0E-03	I					1	0.1		1.4E+09		Pentachloronitrobenzene	82-68-8	2.5E+00	7.8E+00		1.9E+00	2.3E+02	8.4E+02		1.8E+02
4.0E-01	I	5.1E-06	C	5.0E-03	I					1	0.25		1.4E+09		Pentachlorophenol	87-86-5	1.6E+00	2.0E+00	6.5E+05	8.9E-01	3.9E+02	5.6E+02		2.3E+02
4.0E-03	X			2.0E-03	P					1	0.1		1.4E+09		Pentaerythritol tetranitrate (PETN)	78-11-5	1.6E+02	5.1E+02		1.2E+02	1.6E+02	5.6E+02		1.2E+02
						1.0E+00	P	V		1		3.9E+02	1.4E+09	8.4E+02	Pentane, n-	109-66-0							8.7E+02	8.7E+02

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
															Perchlorates									
				7.0E-04	I					1			1.4E+09		~Ammonium Perchlorate	7790-98-9					5.5E+01			5.5E+01
				7.0E-04	I					1			1.4E+09		~Lithium Perchlorate	7791-03-9					5.5E+01			5.5E+01
				7.0E-04	I					1			1.4E+09		~Perchlorate and Perchlorate Salts	14797-73-0					5.5E+01			5.5E+01
				7.0E-04	I					1			1.4E+09		~Potassium Perchlorate	7778-74-7					5.5E+01			5.5E+01
				7.0E-04	I					1			1.4E+09		~Sodium Perchlorate	7601-89-0					5.5E+01			5.5E+01
				5.0E-02	I					1	0.1		1.4E+09		Permethrin	52645-53-1					3.9E+03	1.4E+04		3.1E+03
2.2E-03	C	6.3E-07	C							1	0.1		1.4E+09		Phenacetin	62-44-2	2.9E+02	9.2E+02	5.3E+06	2.2E+02				
				2.5E-01	I					1	0.1		1.4E+09		Phenmedipham	13684-63-4					2.0E+04	7.0E+04		1.5E+04
				3.0E-01	I	2.0E-01	C			1	0.1		1.4E+09		Phenol	108-95-2					2.3E+04	8.4E+04	2.8E+08	1.8E+04
				5.0E-04	X					1	0.1		1.4E+09		Phenothiazine	92-84-2					3.9E+01	1.4E+02		3.1E+01
				6.0E-03	I					1	0.1		1.4E+09		Phenylenediamine, m-	108-45-2					4.7E+02	1.7E+03		3.7E+02
4.7E-02	H									1	0.1		1.4E+09		Phenylenediamine, o-	95-54-5	1.4E+01	4.3E+01		1.0E+01				
				1.9E-01	H					1	0.1		1.4E+09		Phenylenediamine, p-	106-50-3					1.5E+04	5.3E+04		1.2E+04
1.9E-03	H									1	0.1		1.4E+09		Phenylphenol, 2-	90-43-7	3.3E+02	1.0E+03		2.5E+02				
				2.0E-04	H					1	0.1		1.4E+09		Phorate	298-02-2					1.6E+01	5.6E+01		1.2E+01
						3.0E-04	I	V		1		1.6E+03	1.4E+09	1.1E+03	Phosgene	75-44-5							3.3E-01	3.3E-01
				2.0E-02	I					1	0.1		1.4E+09		Phosmet	732-11-6					1.6E+03	5.6E+03		1.2E+03
															Phosphates, Inorganic									
				4.9E+01	P					1			1.4E+09		~Aluminum metaphosphate	13776-88-0					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Ammonium polyphosphate	68333-79-9					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Calcium pyrophosphate	7790-76-3					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Diammonium phosphate	7783-28-0					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Dicalcium phosphate	7757-93-9					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Dimagnesium phosphate	7782-75-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Dipotassium phosphate	7758-11-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Disodium phosphate	7558-79-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monoaluminum phosphate	13530-50-2					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monoammonium phosphate	7722-76-1					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monocalcium phosphate	7758-23-8					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monomagnesium phosphate	7757-86-0					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monopotassium phosphate	7778-77-0					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Monosodium phosphate	7558-80-7					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Polyphosphoric acid	8017-16-1					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Potassium tripolyphosphate	13845-36-8					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium acid pyrophosphate	7758-16-9					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (acidic)	7785-88-8					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (anhydrous)	10279-59-1					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (tetrahydrate)	10305-76-7					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium hexametaphosphate	10124-56-8					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium polyphosphate	68915-31-1					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium trimetaphosphate	7785-84-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Sodium tripolyphosphate	7758-29-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Tetrapotassium phosphate	7320-34-5					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Tetrasodium pyrophosphate	7722-88-5					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Tricalcium phosphate	7758-87-4					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Trimagnesium phosphate	7757-87-1					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Tripotassium phosphate	7778-53-2					3.8E+06			3.8E+06
				4.9E+01	P					1			1.4E+09		~Trisodium phosphate	7601-54-9					3.8E+06			3.8E+06
				3.0E-04	I	3.0E-04	I			1			1.4E+09		Phosphine	7803-51-2					2.3E+01		4.3E+05	2.3E+01
				4.9E+01	P	1.0E-02	I			1			1.4E+09		Phosphoric Acid	7664-38-2					3.8E+06		1.4E+07	3.0E+06
				2.0E-05	I					1			1.4E+09		Phosphorus, White	7723-14-0					1.6E+00			1.6E+00
															Phthalates									
1.4E-02	I	2.4E-06	C	2.0E-02	I					1	0.1		1.4E+09		~Bis(2-ethylhexyl)phthalate	117-81-7	4.6E+01	1.4E+02	1.4E+06	3.5E+01	1.6E+03	5.6E+03		1.2E+03
				1.0E+00	I					1	0.1		1.4E+09		~Butylphthalyl Butylglycolate	85-70-1					7.8E+04	2.8E+05		6.1E+04
				1.0E-01	I					1	0.1		1.4E+09		~Dibutyl Phthalate	84-74-2					7.8E+03	2.8E+04		6.1E+03
				8.0E-01	I					1	0.1		1.4E+09		~Diethyl Phthalate	84-66-2					6.3E+04	2.2E+05		4.9E+04
				1.0E-01	I			V		1			1.4E+09	2.3E+04	~Dimethylterephthalate	120-61-6					7.8E+03			7.8E+03
				1.0E-02	P					1	0.1		1.4E+09		~Octyl Phthalate, di-N-	117-84-0					7.8E+02	2.8E+03		6.1E+02
				1.0E+00	H					1	0.1		1.4E+09		~Phthalic Acid, P-	100-21-0					7.8E+04	2.8E+05		6.1E+04
				2.0E+00	I	2.0E-02	C			1	0.1		1.4E+09		~Phthalic Anhydride	85-44-9					1.6E+05	5.6E+05	2.8E+07	1.2E+05
				7.0E-02	I					1	0.1		1.4E+09		Picloram	1918-02-1					5.5E+03	2.0E+04		4.3E+03
				1.0E-04	X					1	0.1		1.4E+09		Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3					7.8E+00	2.8E+01		6.1E+00
				1.0E-02	I					1	0.1		1.4E+09		Pirimiphos, Methyl	29232-93-7					7.8E+02	2.8E+03		6.1E+02

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
3.0E+01	C	8.6E-03	C	7.0E-06	H					1	0.1		1.4E+09		Polybrominated Biphenyls	59536-65-1	2.1E-02	6.7E-02	3.8E+02	1.6E-02	5.5E-01	2.0E+00		4.3E-01
															Polychlorinated Biphenyls (PCBs)									
7.0E-02	S	2.0E-05	S	7.0E-05	I					1	0.14		1.4E+09		~Aroclor 1016	12674-11-2	9.1E+00	2.1E+01	1.7E+05	6.3E+00	5.5E+00	1.4E+01		3.9E+00
2.0E+00	S	5.7E-04	S					V		1	0.14	7.6E+02	1.4E+09	9.2E+04	~Aroclor 1221	11104-28-2	3.2E-01	7.2E-01	3.9E-01	1.4E-01				
2.0E+00	S	5.7E-04	S					V		1	0.14	7.3E+01	1.4E+09	9.2E+04	~Aroclor 1232	11141-16-5	3.2E-01	7.2E-01	3.9E-01	1.4E-01				
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1242	53469-21-9	3.2E-01	7.2E-01	5.8E+03	2.2E-01				
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1248	12672-29-6	3.2E-01	7.2E-01	5.8E+03	2.2E-01				
2.0E+00	S	5.7E-04	S	2.0E-05	I					1	0.14		1.4E+09		~Aroclor 1254	11097-69-1	3.2E-01	7.2E-01	5.8E+03	2.2E-01	1.6E+00	4.0E+00		1.1E+00
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1260	11096-82-5	3.2E-01	7.2E-01	5.8E+03	2.2E-01				
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+03	E	1.1E+00	E	2.3E-08	E	1.3E-06	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.6E-04	3.7E-04	2.9E+00	1.1E-04	1.8E-03	4.7E-03	1.9E+03	1.3E-03
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.6E-01	3.7E-01	2.9E+03	1.1E-01	1.8E+00	4.7E+00	1.9E+06	1.3E+00
1.3E+04	E	3.8E+00	E	7.0E-09	E	4.0E-07	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	4.9E-05	1.1E-04	8.7E-01	3.4E-05	5.5E-04	1.4E-03	5.7E+02	3.9E-04
2.0E+00	I	5.7E-04	I							1	0.14		1.4E+09		~Polychlorinated Biphenyls (high risk)	1336-36-3	3.2E-01	7.2E-01	5.8E+03	2.2E-01				
4.0E-01	I	1.0E-04	I							1	0.14				~Polychlorinated Biphenyls (low risk)	1336-36-3								
7.0E-02	I	2.0E-05	I							1	0.14				~Polychlorinated Biphenyls (lowest risk)	1336-36-3								
1.3E+01	E	3.8E-03	E	7.0E-06	E	4.0E-04	E			1	0.14		1.4E+09		~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	4.9E-02	1.1E-01	8.7E+02	3.4E-02	5.5E-01	1.4E+00	5.7E+05	3.9E-01
3.9E+01	E	1.1E-02	E	2.3E-06	E	1.3E-04	E			1	0.14		1.4E+09		~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.6E-02	3.7E-02	2.9E+02	1.1E-02	1.8E-01	4.7E-01	1.9E+05	1.3E-01
						6.0E-04	I			1	0.1		1.4E+09		Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9							8.5E+05	8.5E+05
															Polynuclear Aromatic Hydrocarbons (PAHs)									
				6.0E-02	I			V		1	0.13		1.4E+09	1.5E+05	~Acenaphthene	83-32-9					4.7E+03	1.3E+04		3.4E+03
				3.0E-01	I			V		1	0.13		1.4E+09	5.6E+05	~Anthracene	120-12-7					2.3E+04	6.4E+04		1.7E+04
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benz[a]anthracene	56-55-3	2.0E-01	5.3E-01	1.2E+04	1.5E-01				
1.2E+00	C	1.1E-04	C							1	0.13		1.4E+09		~Benzo(j)fluoranthene	205-82-3	5.3E-01	1.3E+00	3.0E+04	3.8E-01				
7.3E+00	I	1.1E-03	C						M	1	0.13		1.4E+09		~Benzo[a]pyrene	50-32-8	2.0E-02	5.3E-02	1.2E+03	1.5E-02				
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benzo[b]fluoranthene	205-99-2	2.0E-01	5.3E-01	1.2E+04	1.5E-01				
7.3E-02	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benzo[k]fluoranthene	207-08-9	2.0E+00	5.3E+00	1.2E+04	1.5E+00				
				8.0E-02	I			V		1			1.4E+09	8.6E+04	~Chloronaphthalene, Beta-	91-58-7					6.3E+03			6.3E+03
7.3E-03	E	1.1E-05	C						M	1	0.13		1.4E+09		~Chrysene	218-01-9	2.0E+01	5.3E+01	1.2E+05	1.5E+01				
7.3E+00	E	1.2E-03	C						M	1	0.13		1.4E+09		~Dibenz[a,h]anthracene	53-70-3	2.0E-02	5.3E-02	1.1E+03	1.5E-02				
1.2E+01	C	1.1E-03	C							1	0.13		1.4E+09		~Dibenzo(a,e)pyrene	192-65-4	5.3E-02	1.3E-01	3.0E+03	3.8E-02				
2.5E+02	C	7.1E-02	C						M	1	0.13		1.4E+09		~Dimethylbenz(a)anthracene, 7,12-	57-97-6	6.0E-04	1.6E-03	1.8E+01	4.3E-04				
				4.0E-02	I					1	0.13		1.4E+09		~Fluoranthene	206-44-0					3.1E+03	8.6E+03		2.3E+03
				4.0E-02	I			V		1	0.13		1.4E+09	3.0E+05	~Fluorene	86-73-7					3.1E+03	8.6E+03		2.3E+03
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Indeno[1,2,3-cd]pyrene	193-39-5	2.0E-01	5.3E-01	1.2E+04	1.5E-01				
2.9E-02	P			7.0E-02	A			V		1	0.13		1.4E+09	6.3E+04	~Methylnaphthalene, 1-	90-12-0	2.2E+01	5.4E+01		1.6E+01	5.5E+03	1.5E+04		4.0E+03
				4.0E-03	I			V		1	0.13		1.4E+09	6.2E+04	~Methylnaphthalene, 2-	91-57-6					3.1E+02	8.6E+02		2.3E+02
		3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	0.13		1.4E+09	5.0E+04	~Naphthalene	91-20-3			3.6E+00	3.6E+00	1.6E+03	4.3E+03	1.6E+02	1.4E+02
1.2E+00	C	1.1E-04	C							1	0.13		1.4E+09		~Nitropyrene, 4-	57835-92-4	5.3E-01	1.3E+00	3.0E+04	3.8E-01				
				3.0E-02	I			V		1	0.13		1.4E+09	2.6E+06	~Pyrene	129-00-0					2.3E+03	6.4E+03		1.7E+03
1.5E-01	I			9.0E-03	I					1	0.1		1.4E+09		Prochloraz	67747-09-5	4.3E+00	1.3E+01		3.2E+00	7.0E+02	2.5E+03		5.5E+02
				6.0E-03	H					1	0.1		1.4E+09		Profluralin	26399-36-0					4.7E+02	1.7E+03		3.7E+02
				1.5E-02	I					1	0.1		1.4E+09		Prometon	1610-18-0					1.2E+03	4.2E+03		9.2E+02
				4.0E-03	I					1	0.1		1.4E+09		Prometryn	7287-19-6					3.1E+02	1.1E+03		2.4E+02
				1.3E-02	I					1	0.1		1.4E+09		Propachlor	1918-16-7					1.0E+03	3.6E+03		7.9E+02
				5.0E-03	I					1	0.1		1.4E+09		Propanil	709-98-8					3.9E+02	1.4E+03		3.1E+02
				2.0E-02	I					1	0.1		1.4E+09		Propargite	2312-35-8					1.6E+03	5.6E+03		1.2E+03
				2.0E-03	I					1	0.1		1.4E+09		Propargyl Alcohol	107-19-7					1.6E+02	5.6E+02		1.2E+02
				2.0E-02	I					1	0.1		1.4E+09		Propazine	139-40-2					1.6E+03	5.6E+03		1.2E+03
				2.0E-02	I					1	0.1		1.4E+09		Propham	122-42-9					1.6E+03	5.6E+03		1.2E+03
				1.3E-02	I					1	0.1		1.4E+09		Propiconazole	60207-90-1					1.0E+03	3.6E+03		7.9E+02
						8.0E-03	I	V		1		3.3E+04	1.4E+09	9.6E+03	Propionaldehyde	123-38-6							8.0E+01	8.0E+01
				1.0E-01	X	1.0E+00	X	V		1	0.1	2.6E+02	1.4E+09	7.5E+03	Propyl benzene	103-65-1					7.8E+03	2.8E+04	7.9E+03	3.4E+03
						3.0E+00	C	V		1	0.1	3.5E+02	1.4E+09	7.6E+02	Propylene	115-07-1							2.4E+03	2.4E+03
				2.0E+01	P					1	0.1		1.4E+09		Propylene Glycol	57-55-6					1.6E+06	5.6E+06		1.2E+06
						2.7E-04	A			1	0.1		1.4E+09		Propylene Glycol Dinitrate	6423-43-4							3.9E+05	3.9E+05
				7.0E-01	H					1	0.1		1.4E+09		Propylene Glycol Monoethyl Ether	1569-02-4					5.5E+04	2.0E+05		4.3E+04
				7.0E-01	H	2.0E+00	I			1	0.1		1.4E+09		Propylene Glycol Monomethyl Ether	107-98-2					5.5E+04	2.0E+05	2.8E+09	4.3E+04
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1		7.8E+04	1.4E+09	1.1E+04	Propylene Oxide	75-56-9	2.7E+00		7.3E+00	2.0E+00			3.5E+02	3.5E+02

DRAFT 11-06-2013

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				2.5E-01	I					1	0.1		1.4E+09		Pursuit	81335-77-5					2.0E+04	7.0E+04		1.5E+04
				2.5E-02	I					1	0.1		1.4E+09		Pydrin	51630-58-1					2.0E+03	7.0E+03		1.5E+03
				1.0E-03	I			V		1		5.3E+05	1.4E+09	6.0E+04	Pyridine	110-86-1					7.8E+01			7.8E+01
				5.0E-04	I					1	0.1		1.4E+09		Quinalphos	13593-03-8					3.9E+01	1.4E+02		3.1E+01
3.0E+00	I									1	0.1		1.4E+09		Quinoline	91-22-5	2.1E-01	6.7E-01		1.6E-01				
						3.0E-02	A			1			1.4E+09		Refractory Ceramic Fibers	NA							4.3E+07	4.3E+07
				3.0E-02	I					1	0.1		1.4E+09		Resmethrin	10453-86-8					2.3E+03	8.4E+03		1.8E+03
				5.0E-02	H					1	0.1		1.4E+09		Ronnel	299-84-3					3.9E+03	1.4E+04		3.1E+03
				4.0E-03	I					1	0.1		1.4E+09		Rotenone	83-79-4					3.1E+02	1.1E+03		2.4E+02
2.2E-01	C	6.3E-05	C						M	1	0.1		1.4E+09		Safrole	94-59-7	6.8E-01	2.3E+00	2.1E+04	5.2E-01				
				2.5E-02	I					1	0.1		1.4E+09		Savey	78587-05-0					2.0E+03	7.0E+03		1.5E+03
				5.0E-03	I					1			1.4E+09		Selenious Acid	7783-00-8					3.9E+02			3.9E+02
				5.0E-03	I	2.0E-02	C			1			1.4E+09		Selenium	7782-49-2					3.9E+02		2.8E+07	3.9E+02
				5.0E-03	C	2.0E-02	C			1			1.4E+09		Selenium Sulfide	7446-34-6					3.9E+02		2.8E+07	3.9E+02
				9.0E-02	I					1	0.1		1.4E+09		Sethoxydim	74051-80-2					7.0E+03	2.5E+04		5.5E+03
						3.0E-03	C			1			1.4E+09		Silica (crystalline, respirable)	7631-86-9							4.3E+06	4.3E+06
				5.0E-03	I					0.04			1.4E+09		Silver	7440-22-4					3.9E+02			3.9E+02
1.2E-01	H			5.0E-03	I					1	0.1		1.4E+09		Simazine	122-34-9	5.3E+00	1.7E+01		4.1E+00	3.9E+02	1.4E+03		3.1E+02
				1.3E-02	I					1	0.1		1.4E+09		Sodium Acifluorfen	62476-59-9					1.0E+03	3.6E+03		7.9E+02
				4.0E-03	I					1			1.4E+09		Sodium Azide	26628-22-8					3.1E+02			3.1E+02
2.7E-01	H			3.0E-02	I					1	0.1		1.4E+09		Sodium Diethyldithiocarbamate	148-18-5	2.4E+00	7.5E+00		1.8E+00	2.3E+03	8.4E+03		1.8E+03
				5.0E-02	A	1.3E-02	C			1			1.4E+09		Sodium Fluoride	7681-49-4					3.9E+03		1.8E+07	3.9E+03
				2.0E-05	I					1	0.1		1.4E+09		Sodium Fluoroacetate	62-74-8					1.6E+00	5.6E+00		1.2E+00
				1.0E-03	H					1			1.4E+09		Sodium Metavanadate	13718-26-8					7.8E+01			7.8E+01
2.4E-02	H			3.0E-02	I					1	0.1		1.4E+09		*Stirofos (Tetrachlorovinphos)*	961-11-5	2.7E+01	8.4E+01		2.0E+01	2.3E+03	8.4E+03		1.8E+03
				6.0E-01	I					1			1.4E+09		Strontium, Stable	7440-24-6					4.7E+04			4.7E+04
				3.0E-04	I					1	0.1		1.4E+09		Strychnine	57-24-9					2.3E+01	8.4E+01		1.8E+01
				2.0E-01	I	1.0E+00	I	V		1		8.7E+02	1.4E+09	1.0E+04	Styrene	100-42-5					1.6E+04		1.0E+04	6.3E+03
				1.0E-03	P	2.0E-03	P			1	0.1		1.4E+09		Sulfolane	126-33-0					7.8E+01	2.8E+02	2.8E+06	6.1E+01
				8.0E-04	P					1	0.1		1.4E+09		Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9					6.3E+01	2.2E+02		4.9E+01
						1.0E-03	C			1			1.4E+09		Sulfuric Acid	7664-93-9							1.4E+06	1.4E+06
				2.5E-02	I					1	0.1		1.4E+09		Systhane	88671-89-0					2.0E+03	7.0E+03		1.5E+03
				3.0E-02	H					1	0.1		1.4E+09		TCMTB	21564-17-0					2.3E+03	8.4E+03		1.8E+03
				7.0E-02	I					1	0.1		1.4E+09		Tebuthiuron	34014-18-1					5.5E+03	2.0E+04		4.3E+03
				2.0E-02	H					1	0.1		1.4E+09		Temephos	3383-96-8					1.6E+03	5.6E+03		1.2E+03
				1.3E-02	I					1	0.1		1.4E+09		Terbacil	5902-51-2					1.0E+03	3.6E+03		7.9E+02
				2.5E-05	H					1	0.1		1.4E+09		Terbufos	13071-79-9					2.0E+00	7.0E+00		1.5E+00
				1.0E-03	I					1	0.1		1.4E+09		Terburyn	886-50-0					7.8E+01	2.8E+02		6.1E+01
				1.0E-04	I					1	0.1		1.4E+09		Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1					7.8E+00	2.8E+01		6.1E+00
				3.0E-04	I					1	0.1		1.4E+09		Tetrachlorobenzene, 1,2,4,5-	95-94-3					2.3E+01	8.4E+01		1.8E+01
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1		6.8E+02	1.4E+09	6.1E+03	Tetrachloroethane, 1,1,1,2-	630-20-6	2.5E+01		2.0E+00	1.9E+00	2.3E+03			2.3E+03
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		1		1.9E+03	1.4E+09	1.6E+04	Tetrachloroethane, 1,1,2,2-	79-34-5	3.2E+00		6.8E-01	5.6E-01	1.6E+03			1.6E+03
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		1		1.7E+02	1.4E+09	2.5E+03	Tetrachloroethylene	127-18-4	3.0E+02		2.4E+01	2.2E+01	4.7E+02		1.1E+02	8.6E+01
				3.0E-02	I					1	0.1		1.4E+09		Tetrachlorophenol, 2,3,4,6-	58-90-2					2.3E+03	8.4E+03		1.8E+03
2.0E+01	H									1	0.1		1.4E+09		Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	3.2E-02	1.0E-01		2.4E-02				
				5.0E-04	I					1	0.1		1.4E+09		Tetraethyl Dithiopyrophosphate	3689-24-5					3.9E+01	1.4E+02		3.1E+01
						8.0E+01	I	V		1		1.1E+03	1.4E+09	1.3E+03	Tetrafluoroethane, 1,1,1,2-	811-97-2							1.1E+05	1.1E+05
				2.0E-03	P					1	0.1		1.4E+09		Tetryl (Trinitrophenylmethylnitramine)	479-45-8					1.6E+02	5.6E+02		1.2E+02
				7.0E-06	X					1			1.4E+09		Thallium (I) Nitrate	10102-45-1					5.5E-01			5.5E-01
				1.0E-05	X					1			1.4E+09		Thallium (Soluble Salts)	7440-28-0					7.8E-01			7.8E-01
				6.0E-06	X					1			1.4E+09		Thallium Acetate	563-68-8					4.7E-01			4.7E-01
				2.0E-05	X					1			1.4E+09		Thallium Carbonate	6533-73-9					1.6E+00			1.6E+00
				6.0E-06	X					1			1.4E+09		Thallium Chloride	7791-12-0					4.7E-01			4.7E-01
				2.0E-05	X					1			1.4E+09		Thallium Sulfate	7446-18-6					1.6E+00			1.6E+00
				1.0E-02	I					1	0.1		1.4E+09		Thiobencarb	28249-77-6					7.8E+02	2.8E+03		6.1E+02
				7.0E-02	X					1	0.008		1.4E+09		Thiodiglycol	111-48-8					5.5E+03	2.6E+05		5.4E+03
				3.0E-04	H					1	0.1		1.4E+09		Thiofanox	39196-18-4					2.3E+01	8.4E+01		1.8E+01
				8.0E-02	I					1	0.1		1.4E+09		Thiophanate, Methyl	23564-05-8					6.3E+03	2.2E+04		4.9E+03
				5.0E-03	I					1	0.1		1.4E+09		Thiram	137-26-8					3.9E+02	1.4E+03		3.1E+02
				6.0E-01	H					1			1.4E+09		Tin	7440-31-5					4.7E+04			4.7E+04
						1.0E-04	A			1			1.4E+09		Titanium Tetrachloride	7550-45-0							1.4E+05	1.4E+05
				8.0E-02	I	5.0E+00	I	V		1		8.2E+02	1.4E+09	4.6E+03	Toluene	108-88-3					6.3E+03		2.4E+04	5.0E+03
1.8E-01	X			2.0E-04	X					1	0.1		1.4E+09		Toluene-2,5-diamine	95-70-5	3.6E+00	1.1E+01		2.7E+00	1.6E+01	5.6E+01		1.2E+01
3.0E-02	P			4.0E-03	X					1	0.1		1.4E+09		Toluidine, p-	106-49-0	2.1E+01	6.7E+01		1.6E+01	3.1E+02	1.1E+03		2.4E+02
				3.0E+00	P					1	0.1		1.4E+09		Total Petroleum Hydrocarbons (Aliphatic High)	NA					2.3E+05	8.4E+05		1.8E+05

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
		1.9E-07	P			6.0E-01	P	V		1		1.4E+02	1.4E+09	8.9E+02	Total Petroleum Hydrocarbons (Aliphatic Low)	NA			1.1E+01	1.1E+01			5.6E+02	5.6E+02
		4.5E-06	P	1.0E-02	P	1.0E-01	P	V		1		6.9E+00	1.4E+09	1.1E+03	Total Petroleum Hydrocarbons (Aliphatic Medium)	NA			6.1E-01	6.1E-01	7.8E+02		1.2E+02	1.0E+02
7.3E+00	P			4.0E-02	P					1	0.1		1.4E+09		Total Petroleum Hydrocarbons (Aromatic High)	NA	8.8E-02	2.8E-01		6.7E-02	3.1E+03	1.1E+04		2.4E+03
5.5E-02	P	7.8E-06	P	4.0E-03	P	3.0E-02	P	V		1		1.8E+03	1.4E+09	3.8E+03	Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.2E+01		1.2E+00	1.1E+00	3.1E+02		1.2E+02	8.6E+01
				4.0E-03	P	3.0E-03	P	V		1			1.4E+09	5.6E+04	Total Petroleum Hydrocarbons (Aromatic Medium)	NA					3.1E+02		1.8E+02	1.1E+02
1.1E+00	I	3.2E-04	I							1	0.1		1.4E+09		Toxaphene	8001-35-2	5.8E-01	1.8E+00	1.0E+04	4.4E-01				
				7.5E-03	I					1	0.1		1.4E+09		Tralomethrin	66841-25-6					5.9E+02	2.1E+03		4.6E+02
				3.0E-04	A					1	0.1		1.4E+09		Tri-n-butyltin	688-73-3					2.3E+01	8.4E+01		1.8E+01
				8.0E+01	X					1	0.1		1.4E+09		Triacetin	102-76-1					6.3E+06	2.2E+07		4.9E+06
				1.3E-02	I					1	0.1		1.4E+09		Triallate	2303-17-5					1.0E+03	3.6E+03		7.9E+02
				1.0E-02	I					1	0.1		1.4E+09		Triasulfuron	82097-50-5					7.8E+02	2.8E+03		6.1E+02
				5.0E-03	I					1	0.1		1.4E+09		Tribromobenzene, 1,2,4-	615-54-3					3.9E+02	1.4E+03		3.1E+02
9.0E-03	P			1.0E-02	P					1	0.1		1.4E+09		Tributyl Phosphate	126-73-8	7.1E+01	2.2E+02		5.4E+01	7.8E+02	2.8E+03		6.1E+02
				3.0E-04	P					1	0.1		1.4E+09		Tributyltin Compounds	NA					2.3E+01	8.4E+01		1.8E+01
				3.0E-04	I					1	0.1		1.4E+09		Tributyltin Oxide	56-35-9					2.3E+01	8.4E+01		1.8E+01
				3.0E+01	I	3.0E+01	H	V		1		9.1E+02	1.4E+09	1.4E+03	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1					2.3E+06		4.3E+04	4.3E+04
7.0E-02	I			2.0E-02	I					1	0.1		1.4E+09		Trichloroacetic Acid	76-03-9	9.1E+00	2.9E+01		6.9E+00	1.6E+03	5.6E+03		1.2E+03
2.9E-02	H									1	0.1		1.4E+09		Trichloroaniline HCl, 2,4,6-	33663-50-2	2.2E+01	7.0E+01		1.7E+01				
7.0E-03	X			3.0E-05	X					1	0.1		1.4E+09		Trichloroaniline, 2,4,6-	634-93-5	9.1E+01	2.9E+02		6.9E+01	2.3E+00	8.4E+00		1.8E+00
				8.0E-04	X			V		1	0.1		1.4E+09	3.5E+04	Trichlorobenzene, 1,2,3-	87-61-6					6.3E+01	2.2E+02		4.9E+01
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		1		4.0E+02	1.4E+09	3.2E+04	Trichlorobenzene, 1,2,4-	120-82-1	2.2E+01			2.2E+01	7.8E+02		6.7E+01	6.2E+01
				2.0E+00	I	5.0E+00	I	V		1		6.4E+02	1.4E+09	1.8E+03	Trichloroethane, 1,1,1-	71-55-6					1.6E+05		9.3E+03	8.7E+03
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		1		2.2E+03	1.4E+09	7.8E+03	Trichloroethane, 1,1,2-	79-00-5	1.1E+01		1.2E+00	1.1E+00	3.1E+02		1.6E+00	1.6E+00
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	1		6.9E+02	1.4E+09	2.4E+03	Trichloroethylene	79-01-6	8.3E+00		1.0E+00	9.1E-01	3.9E+01		5.0E+00	4.4E+00
				3.0E-01	I	7.0E-01	H	V		1		1.2E+03	1.4E+09	1.1E+03	Trichlorofluoromethane	75-69-4					2.3E+04		8.1E+02	7.9E+02
				1.0E-01	I					1	0.1		1.4E+09		Trichlorophenol, 2,4,5-	95-95-4					7.8E+03	2.8E+04		6.1E+03
1.1E-02	I	3.1E-06	I	1.0E-03	P					1	0.1		1.4E+09		Trichlorophenol, 2,4,6-	88-06-2	5.8E+01	1.8E+02	1.1E+06	4.4E+01	7.8E+01	2.8E+02		6.1E+01
				1.0E-02	I					1	0.1		1.4E+09		Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5					7.8E+02	2.8E+03		6.1E+02
				8.0E-03	I					1	0.1		1.4E+09		Trichlorophenoxypropionic acid, -2,4,5	93-72-1					6.3E+02	2.2E+03		4.9E+02
				5.0E-03	I			V		1		1.3E+03	1.4E+09	1.6E+04	Trichloropropane, 1,1,2-	598-77-6					3.9E+02			3.9E+02
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	1		1.4E+03	1.4E+09	1.7E+04	Trichloropropane, 1,2,3-	96-18-4	5.0E-03			5.0E-03	3.1E+02		5.3E+00	5.2E+00
				3.0E-03	X	3.0E-04	P	V		1		4.5E+02	1.4E+09	2.5E+03	Trichloropropene, 1,2,3-	96-19-5					2.3E+02		7.9E-01	7.8E-01
				2.0E-02	A					1	0.1		1.4E+09		Tricresyl Phosphate (TCP)	1330-78-5						5.6E+03		5.6E+03
				3.0E-03	I					1	0.1		1.4E+09		Tridiphane	58138-08-2					2.3E+02	8.4E+02		1.8E+02
						7.0E-03	I	V		1		2.8E+04	1.4E+09	1.7E+04	Triethylamine	121-44-8							1.2E+02	1.2E+02
7.7E-03	I			7.5E-03	I					1	0.1		1.4E+09		Trifluralin	1582-09-8	8.3E+01	2.6E+02		6.3E+01	5.9E+02	2.1E+03		4.6E+02
2.0E-02	P			1.0E-02	P					1	0.1		1.4E+09		Trimethyl Phosphate	512-56-1	3.2E+01	1.0E+02		2.4E+01	7.8E+02	2.8E+03		6.1E+02
						5.0E-03	P	V		1		2.9E+02	1.4E+09	1.0E+04	Trimethylbenzene, 1,2,3-	526-73-8							5.3E+01	5.3E+01
						7.0E-03	P	V		1		2.2E+02	1.4E+09	8.5E+03	Trimethylbenzene, 1,2,4-	95-63-6							6.2E+01	6.2E+01
				1.0E-02	X			V		1		1.8E+02	1.4E+09	7.1E+03	Trimethylbenzene, 1,3,5-	108-67-8					7.8E+02			7.8E+02
				3.0E-02	I					1	0.019		1.4E+09		Trinitrobenzene, 1,3,5-	99-35-4					2.3E+03	4.4E+04		2.2E+03
3.0E-02	I			5.0E-04	I					1	0.032		1.4E+09		Trinitrotoluene, 2,4,6-	118-96-7	2.1E+01	2.1E+02		1.9E+01	3.9E+01	4.4E+02		3.6E+01
				2.0E-02	P					1	0.1		1.4E+09		Triphenylphosphine Oxide	791-28-6					1.6E+03	5.6E+03		1.2E+03
				2.0E-02	A					1	0.1		1.4E+09		Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8					1.6E+03	5.6E+03		1.2E+03
				1.0E-02	X					1	0.1		1.4E+09		Tris(1-chloro-2-propyl)phosphate	13674-84-5					7.8E+02	2.8E+03		6.1E+02
2.0E-02	P			7.0E-03	P					1	0.1		1.4E+09		Tris(2-chloroethyl)phosphate	115-96-8	3.2E+01	1.0E+02		2.4E+01	5.5E+02	2.0E+03		4.3E+02
3.2E-03	P			1.0E-01	P					1	0.1		1.4E+09		Tris(2-ethylhexyl)phosphate	78-42-2	2.0E+02	6.3E+02		1.5E+02	7.8E+03	2.8E+04		6.1E+03
				3.0E-03	I	4.0E-05	A			1			1.4E+09		Uranium (Soluble Salts)	NA					2.3E+02		5.7E+04	2.3E+02
1.0E+00	C	2.9E-04	C						M	1	0.1		1.4E+09		Urethane	51-79-6	1.5E-01	5.1E-01	4.5E+03	1.2E-01				
		8.3E-03	P	9.0E-03	I	7.0E-06	P			0.026			1.4E+09		Vanadium Pentoxide	1314-62-1			4.0E+02	4.0E+02	7.0E+02		9.9E+03	6.6E+02
				5.0E-03	S	1.0E-04	A			0.026			1.4E+09		Vanadium and Compounds	7440-62-2					3.9E+02		1.4E+05	3.9E+02
				1.0E-03	I					1	0.1		1.4E+09		Vernolate	1929-77-7					7.8E+01	2.8E+02		6.1E+01
				2.5E-02	I					1	0.1		1.4E+09		Vinclozolin	50471-44-8					2.0E+03	7.0E+03		1.5E+03
				1.0E+00	H	2.0E-01	I	V		1		2.8E+03	1.4E+09	4.7E+03	Vinyl Acetate	108-05-4					7.8E+04		9.9E+02	9.7E+02
		3.2E-05	H			3.0E-03	I	V		1		3.4E+03	1.4E+09	1.5E+03	Vinyl Bromide	593-60-2			1.1E-01	1.1E-01			4.6E+00	4.6E+00
7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	1		3.9E+03	1.4E+09	1.0E+03	Vinyl Chloride	75-01-4	9.3E-02		1.7E-01	6.0E-02	2.3E+02		1.1E+02	7.4E+01
				3.0E-04	I					1	0.1		1.4E+09		Warfarin	81-81-2					2.3E+01	8.4E+01		1.8E+01
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	1.4E+09	6.0E+03	Xylene, P-	106-42-3					1.6E+04		6.3E+02	6.0E+02
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	1.4E+09	5.9E+03	Xylene, m-	108-38-3					1.6E+04		6.1E+02	5.9E+02
				2.0E-01	S	1.0E-01	S	V		1		4.3E+02	1.4E+09	7.0E+03	Xylene, o-	95-47-6					1.6E+04		7.2E+02	6.9E+02
				2.0E-01	I	1.0E-01	I	V		1		2.6E+02	1.4E+09	6.3E+03	Xylenes	1330-20-7					1.6E+04		6.5E+02	6.3E+02
				3.0E-04	I					1			1.4E+09		Zinc Phosphide	1314-84-7					2.3E+01			2.3E+01
				3.0E-01	I					1			1.4E+09		Zinc and Compounds	7440-66-6					2.3E+04			2.3E+04
				5.0E-02	I					1	0.1		1.4E+09		Zineb	12122-67-7					3.9E+03	1.4E+04		3.1E+03
				8.0E-05	X					1			1.4E+09		Zirconium	7440-67-7					6.3E+00			6.3E+00

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.8E-02	C	5.1E-06	C	1.5E-01	I					1	0.1		1.4E+09		ALAR	1596-84-5	1.6E+02	2.4E+02	3.3E+06	9.6E+01	1.5E+05	2.3E+05		9.2E+04
8.7E-03	I			4.0E-03	I					1	0.1		1.4E+09		Acephate	30560-19-1	3.3E+02	5.0E+02		2.0E+02	4.1E+03	6.2E+03		2.5E+03
		2.2E-06	I			9.0E-03	I	V		1		1.1E+05	1.4E+09	9.4E+03	Acetaldehyde	75-07-0			5.2E+01	5.2E+01			3.7E+02	3.7E+02
				2.0E-02	I					1	0.1		1.4E+09		Acetochlor	34256-82-1					2.0E+04	3.1E+04		1.2E+04
				9.0E-01	I	3.1E+01	A	V		1		1.1E+05	1.4E+09	1.5E+04	Acetone	67-64-1					9.2E+05		2.0E+06	6.3E+05
						2.0E-03	X	V		1		1.1E+05	1.4E+09	2.6E+04	Acetone Cyanohydrin	75-86-5							2.2E+02	2.2E+02
						6.0E-02	I	V		1		1.3E+05	1.4E+09	1.4E+04	Acetonitrile	75-05-8							3.7E+03	3.7E+03
				1.0E-01	I			V		1		2.5E+03	1.4E+09	6.4E+04	Acetophenone	98-86-2					1.0E+05			1.0E+05
3.8E+00	C	1.3E-03	C							1	0.1		1.4E+09		Acetylaminofluorene, 2-	53-96-3	7.5E-01	1.1E+00	1.3E+04	4.5E-01				
				5.0E-04	I	2.0E-05	I	V		1		2.3E+04	1.4E+09	7.4E+03	Acrolein	107-02-8					5.1E+02		6.5E-01	6.5E-01
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	1	0.1		1.4E+09		Acrylamide	79-06-1	5.7E+00	8.7E+00	1.7E+05	3.4E+00	2.0E+03	3.1E+03	3.6E+07	1.2E+03
				5.0E-01	I	1.0E-03	I			1	0.1		1.4E+09		Acrylic Acid	79-10-7					5.1E+05	7.7E+05	6.0E+06	2.9E+05
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		1		1.1E+04	1.4E+09	8.3E+03	Acrylonitrile	107-13-1	5.3E+00		1.5E+00	1.2E+00	4.1E+04		7.2E+01	7.2E+01
						6.0E-03	P			1	0.1		1.4E+09		Adiponitrile	111-69-3							3.6E+07	3.6E+07
5.6E-02	C			1.0E-02	I					1	0.1		1.4E+09		Alachlor	15972-60-8	5.1E+01	7.7E+01		3.1E+01	1.0E+04	1.5E+04		6.2E+03
				1.0E-03	I					1	0.1		1.4E+09		Aldicarb	116-06-3					1.0E+03	1.5E+03		6.2E+02
				1.0E-03	I					1	0.1		1.4E+09		Aldicarb Sulfone	1646-88-4					1.0E+03	1.5E+03		6.2E+02
										1	0.1		1.4E+09		Aldicarb sulfoxide	1646-87-3								
1.7E+01	I	4.9E-03	I	3.0E-05	I					1	0.1		1.4E+09		Aldrin	309-00-2	1.7E-01	2.6E-01	3.4E+03	1.0E-01	3.1E+01	4.6E+01		1.8E+01
				2.5E-01	I					1	0.1		1.4E+09		Ally	74223-64-6					2.6E+05	3.9E+05		1.5E+05
				5.0E-03	I	1.0E-04	X			1	0.1		1.4E+09		Allyl Alcohol	107-18-6					5.1E+03	7.7E+03	6.0E+05	3.1E+03
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		1		1.4E+03	1.4E+09	1.7E+03	Allyl Chloride	107-05-1	1.4E+02		3.5E+00	3.4E+00			7.5E+00	7.5E+00
				1.0E+00	P	5.0E-03	P			1			1.4E+09		Aluminum	7429-90-5					1.0E+06		3.0E+07	9.9E+05
				4.0E-04	I					1			1.4E+09		Aluminum Phosphide	20859-73-8					4.1E+02			4.1E+02
				3.0E-04	I					1	0.1		1.4E+09		Amdro	67485-29-4					3.1E+02	4.6E+02		1.8E+02
				9.0E-03	I					1	0.1		1.4E+09		Ametryn	834-12-8					9.2E+03	1.4E+04		5.5E+03
2.1E+01	C	6.0E-03	C							1	0.1		1.4E+09		Aminobiphenyl, 4-	92-67-1	1.4E-01	2.1E-01	2.8E+03	8.2E-02				
				8.0E-02	P					1	0.1		1.4E+09		Aminophenol, m-	591-27-5					8.2E+04	1.2E+05		4.9E+04
				2.0E-02	P					1	0.1		1.4E+09		Aminophenol, p-	123-30-8					2.0E+04	3.1E+04		1.2E+04
				2.5E-03	I					1	0.1		1.4E+09		Amitraz	33089-61-1					2.6E+03	3.9E+03		1.5E+03
						1.0E-01	I			1					Ammonia	7664-41-7								
				2.0E-01	I					1			1.4E+09		Ammonium Sulfamate	7773-06-0					2.0E+05			2.0E+05
						3.0E-03	X	V		1		1.4E+04	1.4E+09	2.8E+04	Amyl Alcohol, tert-	75-85-4							3.7E+02	3.7E+02
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			1	0.1		1.4E+09		Aniline	62-53-3	5.0E+02	7.6E+02	1.0E+07	3.0E+02	7.2E+03	1.1E+04	6.0E+06	4.3E+03
4.0E-02	P			2.0E-03	X					1	0.1		1.4E+09		Anthraquinone, 9,10-	84-65-1	7.2E+01	1.1E+02		4.3E+01	2.0E+03	3.1E+03		1.2E+03
				4.0E-04	I					0.15			1.4E+09		Antimony (metallic)	7440-36-0					4.1E+02			4.1E+02
				5.0E-04	H					0.15			1.4E+09		Antimony Pentoxide	1314-60-9					5.1E+02			5.1E+02
				9.0E-04	H					0.15			1.4E+09		Antimony Potassium Tartrate	11071-15-1					9.2E+02			9.2E+02
				4.0E-04	H					0.15			1.4E+09		Antimony Tetroxide	1332-81-6					4.1E+02			4.1E+02
						2.0E-04	I			0.15			1.4E+09		Antimony Trioxide	1309-64-4							1.2E+06	1.2E+06
				1.3E-02	I					1	0.1		1.4E+09		Apollo	74115-24-5					1.3E+04	2.0E+04		8.0E+03
2.5E-02	I	7.1E-06	I	5.0E-02	H					1	0.1		1.4E+09		Aramite	140-57-8	1.1E+02	1.7E+02	2.3E+06	6.9E+01	5.1E+04	7.7E+04		3.1E+04
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			1	0.03		1.4E+09		Arsenic, Inorganic	7440-38-2	3.2E+00	9.6E+00	3.9E+03	2.4E+00	5.1E+02	1.5E+03	8.9E+04	3.8E+02
				3.5E-06	C	5.0E-05	I			1			1.4E+09		Arsine	7784-42-1					3.6E+00		3.0E+05	3.6E+00
				9.0E-03	I					1	0.1		1.4E+09		Assure	76578-14-8					9.2E+03	1.4E+04		5.5E+03
				5.0E-02	I					1	0.1		1.4E+09		Asulam	3337-71-1					5.1E+04	7.7E+04		3.1E+04
2.3E-01	C			3.5E-02	I					1	0.1		1.4E+09		Atrazine	1912-24-9	1.2E+01	1.9E+01		7.5E+00	3.6E+04	5.4E+04		2.2E+04
8.8E-01	C	2.5E-04	C							1	0.1		1.4E+09		Auramine	492-80-8	3.3E+00	4.9E+00	6.7E+04	2.0E+00				
				4.0E-04	I					1	0.1		1.4E+09		Avermectin B1	65195-55-3					4.1E+02	6.2E+02		2.5E+02
1.1E-01	I	3.1E-05	I					V		1			1.4E+09	5.6E+05	Azobenzene	103-33-3	2.6E+01		2.2E+02	2.3E+01				
				2.0E-01	I	5.0E-04	H			0.07			1.4E+09		Barium	7440-39-3					2.0E+05		3.0E+06	1.9E+05
				4.0E-03	I					1	0.1		1.4E+09		Baygon	114-26-1					4.1E+03	6.2E+03		2.5E+03
				3.0E-02	I					1	0.1		1.4E+09		Bayleton	43121-43-3					3.1E+04	4.6E+04		1.8E+04
				2.5E-02	I					1	0.1		1.4E+09		Baythroid	68359-37-5					2.6E+04	3.9E+04		1.5E+04
				3.0E-01	I					1	0.1		1.4E+09		Benefin	1861-40-1					3.1E+05	4.6E+05		1.8E+05
				5.0E-02	I					1	0.1		1.4E+09		Benomyl	17804-35-2					5.1E+04	7.7E+04		3.1E+04
				3.0E-02	I					1	0.1		1.4E+09		Bentazon	25057-89-0					3.1E+04	4.6E+04		1.8E+04
				1.0E-01	I			V		1		1.2E+03	1.4E+09	2.4E+04	Benzaldehyde	100-52-7					1.0E+05			1.0E+05
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1		1.8E+03	1.4E+09	3.8E+03	Benzene	71-43-2	5.2E+01		6.0E+00	5.4E+00	4.1E+03		5.0E+02	4.5E+02
1.0E-01	X			3.0E-04	X					1	0.1		1.4E+09		Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	2.9E+01	4.3E+01		1.7E+01	3.1E+02	4.6E+02		1.8E+02
				1.0E-03	P			V		1		1.3E+03	1.4E+09	2.1E+04	Benzenethiol	108-98-5					1.0E+03			1.0E+03
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	0.1		1.4E+09		Benzidine	92-87-5	1.2E-02	1.9E-02	2.5E+02	7.5E-03	3.1E+03	4.6E+03		1.8E+03
				4.0E+00	I					1	0.1		1.4E+09		Benzoic Acid	65-85-0					4.1E+06	6.2E+06		2.5E+06
1.3E+01	I							V		1		3.2E+02	1.4E+09	7.3E+04	Benzotrichloride	98-07-7	2.2E-01			2.2E-01				
				1.0E-01	P					1	0.1		1.4E+09		Benzyl Alcohol	100-51-6					1.0E+05	1.5E+05		6.2E+04

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		1		1.5E+03	1.4E+09	2.7E+04	Benzyl Chloride	100-44-7	1.7E+01		6.9E+00	4.9E+00	2.0E+03		1.2E+02	1.1E+02
		2.4E-03	I	2.0E-03	I	2.0E-05	I			0.007			1.4E+09		Beryllium and compounds	7440-41-7			6.9E+03	6.9E+03	2.0E+03		1.2E+05	2.0E+03
				1.0E-04	I					1	0.1		1.4E+09		Bidrin	141-66-2					1.0E+02	1.5E+02		6.2E+01
				9.0E-03	P					1	0.1		1.4E+09		Bifenox	42576-02-3					9.2E+03	1.4E+04		5.5E+03
				1.5E-02	I					1	0.1		1.4E+09		Biphenthrin	82657-04-3					1.5E+04	2.3E+04		9.2E+03
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		1			1.4E+09	1.2E+05	Biphenyl, 1,1'-	92-52-4	3.6E+02			3.6E+02	5.1E+05		2.1E+02	2.1E+02
7.0E-02	H	1.0E-05	H	4.0E-02	I			V		1		1.0E+03	1.4E+09	3.8E+04	Bis(2-chloro-1-methylethyl) ether	108-60-1	4.1E+01		4.6E+01	2.2E+01	4.1E+04			4.1E+04
				3.0E-03	P					1	0.1		1.4E+09		Bis(2-chloroethoxy)methane	111-91-1					3.1E+03	4.6E+03		1.8E+03
1.1E+00	I	3.3E-04	I					V		1		5.1E+03	1.4E+09	4.6E+04	Bis(2-chloroethyl)ether	111-44-4	2.6E+00		1.7E+00	1.0E+00				
2.2E+02	I	6.2E-02	I					V		1		4.2E+03	1.4E+09	2.0E+03	Bis(chloromethyl)ether	542-88-1	1.3E-02		4.0E-04	3.9E-04				
				5.0E-02	I					1	0.1		1.4E+09		Bisphenol A	80-05-7					5.1E+04	7.7E+04		3.1E+04
				2.0E-01	I	2.0E-02	H			1			1.4E+09		Boron And Borates Only	7440-42-8					2.0E+05		1.2E+08	2.0E+05
				2.0E+00	P	2.0E-02	P			1			1.4E+09		Boron Trichloride	10294-34-5					2.0E+06		1.2E+08	2.0E+06
				4.0E-02	C	1.3E-02	C			1			1.4E+09		Boron Trifluoride	7637-07-2					4.1E+04		7.7E+07	4.1E+04
7.0E-01	I			4.0E-03	I					1			1.4E+09		Bromate	15541-45-4	4.1E+00			4.1E+00	4.1E+03			4.1E+03
2.0E+00	X	6.0E-04	X					V		1		2.4E+03	1.4E+09	6.4E+03	Bromo-2-chloroethane, 1-	107-04-0	1.4E+00		1.3E-01	1.2E-01				
				8.0E-03	I	6.0E-02	I	V		1		6.8E+02	1.4E+09	9.0E+03	Bromobenzene	108-86-1					8.2E+03		2.4E+03	1.8E+03
						4.0E-02	X	V		1		4.0E+03	1.4E+09	3.9E+03	Bromochloromethane	74-97-5							6.8E+02	6.8E+02
6.2E-02	I	3.7E-05	C	2.0E-02	I			V		1		9.3E+02	1.4E+09	4.3E+03	Bromodichloromethane	75-27-4	4.6E+01		1.4E+00	1.4E+00	2.0E+04			2.0E+04
7.9E-03	I	1.1E-06	I	2.0E-02	I					1	0.1		1.4E+09		Bromoform	75-25-2	3.6E+02	5.5E+02	1.5E+07	2.2E+02	2.0E+04	3.1E+04		1.2E+04
				1.4E-03	I	5.0E-03	I	V		1		3.6E+03	1.4E+09	1.5E+03	Bromomethane	74-83-9					1.4E+03		3.3E+01	3.2E+01
				5.0E-03	H					1	0.1		1.4E+09		Bromophos	2104-96-3					5.1E+03	7.7E+03		3.1E+03
				2.0E-02	I					1	0.1		1.4E+09		Bromoxynil	1689-84-5					2.0E+04	3.1E+04		1.2E+04
				2.0E-02	I					1	0.1		1.4E+09		Bromoxynil Octanoate	1689-99-2					2.0E+04	3.1E+04		1.2E+04
3.4E+00	C	3.0E-05	I			2.0E-03	I	V		1		6.7E+02	1.4E+09	9.3E+02	Butadiene, 1,3-	106-99-0	8.4E-01		3.8E-01	2.6E-01			8.2E+00	8.2E+00
				1.0E-01	I					1	0.1		1.4E+09		Butanol, N-	71-36-3					1.0E+05	1.5E+05		6.2E+04
1.9E-03	P			2.0E-01	I					1	0.1		1.4E+09		Butyl Benzyl Phthlate	85-68-7	1.5E+03	2.3E+03		9.1E+02	2.0E+05	3.1E+05		1.2E+05
				2.0E+00	P	3.0E+01	P			1	0.1		1.4E+09		Butyl alcohol, sec-	78-92-2					2.0E+06	3.1E+06	1.8E+11	1.2E+06
				5.0E-02	I					1	0.1		1.4E+09		Butylate	2008-41-5					5.1E+04	7.7E+04		3.1E+04
2.0E-04	C	5.7E-08	C							1	0.1		1.4E+09		Butylated hydroxyanisole	25013-16-5	1.4E+04	2.2E+04	2.9E+08	8.6E+03				
3.6E-03	P			3.0E-01	P					1	0.1		1.4E+09		Butylated hydroxytoluene	128-37-0	7.9E+02	1.2E+03		4.8E+02	3.1E+05	4.6E+05		1.8E+05
				5.0E-02	P			V		1		1.1E+02	1.4E+09	8.8E+03	Butylbenzene, n-	104-51-8					5.1E+04			5.1E+04
				1.0E-01	X			V		1		1.5E+02	1.4E+09	7.9E+03	Butylbenzene, sec-	135-98-8					1.0E+05			1.0E+05
				1.0E-01	X			V		1		1.8E+02	1.4E+09	7.9E+03	Butylbenzene, tert-	98-06-6					1.0E+05			1.0E+05
				2.0E-02	A					1	0.1		1.4E+09		Cacodylic Acid	75-60-5					2.0E+04	3.1E+04		1.2E+04
		1.8E-03	I	1.0E-03	I	1.0E-05	A			0.025	0.001		1.4E+09		Cadmium (Diet)	7440-43-9			9.3E+03	9.3E+03	1.0E+03	3.9E+03	6.0E+04	8.0E+02
		1.8E-03	I	5.0E-04	I	1.0E-05	A			0.05	0.001				Cadmium (Water)	7440-43-9								
				5.0E-01	I	2.2E-03	C			1	0.1		1.4E+09		Caprolactam	105-60-2					5.1E+05	7.7E+05	1.3E+07	3.0E+05
1.5E-01	C	4.3E-05	C	2.0E-03	I					1	0.1		1.4E+09		Captafol	2425-06-1	1.9E+01	2.9E+01	3.9E+05	1.1E+01	2.0E+03	3.1E+03		1.2E+03
2.3E-03	C	6.6E-07	C	1.3E-01	I					1	0.1		1.4E+09		Captan	133-06-2	1.2E+03	1.9E+03	2.5E+07	7.5E+02	1.3E+05	2.0E+05		8.0E+04
				1.0E-01	I					1	0.1		1.4E+09		Carbaryl	63-25-2					1.0E+05	1.5E+05		6.2E+04
				5.0E-03	I					1	0.1		1.4E+09		Carbofuran	1563-66-2					5.1E+03	7.7E+03		3.1E+03
				1.0E-01	I	7.0E-01	I	V		1		7.4E+02	1.4E+09	1.3E+03	Carbon Disulfide	75-15-0					1.0E+05		3.9E+03	3.7E+03
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		1		4.6E+02	1.4E+09	1.6E+03	Carbon Tetrachloride	56-23-5	4.1E+01		3.3E+00	3.0E+00	4.1E+03		7.0E+02	6.0E+02
				1.0E-02	I					1	0.1		1.4E+09		Carbosulfan	55285-14-8					1.0E+04	1.5E+04		6.2E+03
				1.0E-01	I					1	0.1		1.4E+09		Carboxin	5234-68-4					1.0E+05	1.5E+05		6.2E+04
						9.0E-04	I			1			1.4E+09		Ceric oxide	1306-38-3							5.4E+06	5.4E+06
				1.0E-01	I					1	0.1		1.4E+09		Chloral Hydrate	302-17-0					1.0E+05	1.5E+05		6.2E+04
				1.5E-02	I					1	0.1		1.4E+09		Chloramben	133-90-4					1.5E+04	2.3E+04		9.2E+03
4.0E-01	H									1	0.1		1.4E+09		Chloranil	118-75-2	7.1E+00	1.1E+01		4.3E+00				
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			1	0.04		1.4E+09		Chlordane	12789-03-6	8.2E+00	3.1E+01	1.7E+05	6.5E+00	5.1E+02	1.9E+03	4.2E+06	4.0E+02
1.0E+01	I	4.6E-03	C	3.0E-04	I					1	0.1		1.4E+09		Chlordecone (Kepone)	143-50-0	2.9E-01	4.3E-01	3.6E+03	1.7E-01	3.1E+02	4.6E+02		1.8E+02
				7.0E-04	A					1	0.1		1.4E+09		Chlorfenvinphos	470-90-6					7.2E+02	1.1E+03		4.3E+02
				2.0E-02	I					1	0.1		1.4E+09		Chlorimuron, Ethyl-	90982-32-4					2.0E+04	3.1E+04		1.2E+04
				1.0E-01	I	1.5E-04	A			1			1.4E+09		Chlorine	7782-50-5					1.0E+05		8.6E+05	9.1E+04
				3.0E-02	I	2.0E-04	I			1			1.4E+09		Chlorine Dioxide	10049-04-4					3.1E+04		1.2E+06	3.0E+04
				3.0E-02	I					1			1.4E+09		Chlorite (Sodium Salt)	7758-19-2					3.1E+04			3.1E+04
						5.0E+01	I	V		1		1.2E+03	1.4E+09	1.1E+03	Chloro-1,1-difluoroethane, 1-	75-68-3							2.4E+05	2.4E+05
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		1		7.5E+02	1.4E+09	1.2E+03	Chloro-1,3-butadiene, 2-	126-99-8			4.7E-02	4.7E-02	2.0E+04		1.0E+02	1.0E+02
4.6E-01	H									1	0.1		1.4E+09		Chloro-2-methylaniline HCl, 4-	3165-93-3	6.2E+00	9.4E+00		3.7E+00				
1.0E-01	P	7.7E-05	C	3.0E-03	X					1	0.1		1.4E+09		Chloro-2-methylaniline, 4-	95-69-2	2.9E+01	4.3E+01	2.2E+05	1.7E+01	3.1E+03	4.6E+03		1.8E+03
2.7E-01	X							V		1	0.1	2.8E+04	1.4E+09	2.0E+04	Chloroacetaldehyde, 2-	107-20-0	1.1E+01	1.6E+01		6.4E+00				
				2.0E-03	H					1	0.1		1.4E+09		Chloroacetic Acid	79-11-8					2.0E+03	3.1E+03		1.2E+03
						3.0E-05	I			1	0.1		1.4E+09		Chloroacetophenone, 2-	532-27-4							1.8E+05	1.8E+05
2.0E-01	P			4.0E-03	I					1	0.1		1.4E+09		Chloroaniline, p-	106-47-8	1.4E+01	2.2E+01		8.6E+00	4.1E+03	6.2E+03		2.5E+03

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				2.0E-02	I	5.0E-02	P	V		1		7.6E+02	1.4E+09	6.9E+03	Chlorobenzene	108-90-7					2.0E+04		1.5E+03	1.4E+03
1.1E-01	C	3.1E-05	C	2.0E-02	I					1	0.1		1.4E+09		Chlorobenzilate	510-15-6	2.6E+01	3.9E+01	5.4E+05	1.6E+01	2.0E+04	3.1E+04		1.2E+04
				3.0E-02	X					1	0.1		1.4E+09		Chlorobenzoic Acid, p-	74-11-3					3.1E+04	4.6E+04		1.8E+04
				3.0E-03	P	3.0E-01	P	V		1		1.2E+02	1.4E+09	7.3E+03	Chlorobenzotrifluoride, 4-	98-56-6					3.1E+03		9.6E+03	2.3E+03
				4.0E-02	P			V		1		7.3E+02	1.4E+09	1.9E+03	Chlorobutane, 1-	109-69-3					4.1E+04			4.1E+04
						5.0E+01	I	V		1		1.7E+03	1.4E+09	1.0E+03	Chlorodifluoromethane	75-45-6							2.2E+05	2.2E+05
				2.0E-02	P					1	0.1		1.4E+09		Chloroethanol, 2-	107-07-3					2.0E+04	3.1E+04		1.2E+04
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1		2.5E+03	1.4E+09	2.8E+03	Chloroform	67-66-3	9.2E+01		1.5E+00	1.5E+00	1.0E+04		1.2E+03	1.1E+03
						9.0E-02	I	V		1		1.3E+03	1.4E+09	1.3E+03	Chloromethane	74-87-3							5.0E+02	5.0E+02
2.4E+00	C	6.9E-04	C					V		1		2.6E+04	1.4E+09	5.7E+03	Chloromethyl Methyl Ether	107-30-2	1.2E+00		1.0E-01	9.4E-02				
3.0E-01	P			3.0E-03	P	1.0E-05	X			1	0.1		1.4E+09		Chloronitrobenzene, o-	88-73-3	9.5E+00	1.4E+01		5.7E+00	3.1E+03	4.6E+03	6.0E+04	1.8E+03
6.3E-03	P			1.0E-03	P	6.0E-04	P			1	0.1		1.4E+09		Chloronitrobenzene, p-	100-00-5	4.5E+02	6.9E+02		2.7E+02	1.0E+03	1.5E+03	3.6E+06	6.2E+02
				5.0E-03	I			V		1		2.2E+04	1.4E+09	1.3E+05	Chlorophenol, 2-	95-57-8					5.1E+03			5.1E+03
						4.0E-04	C	V		1		6.2E+02	1.4E+09	5.0E+03	Chloropicrin	76-06-2							8.8E+00	8.8E+00
3.1E-03	C	8.9E-07	C	1.5E-02	I					1	0.1		1.4E+09		Chlorothalonil	1897-45-6	9.2E+02	1.4E+03	1.9E+07	5.6E+02	1.5E+04	2.3E+04		9.2E+03
				2.0E-02	I			V		1		9.1E+02	1.4E+09	8.7E+03	Chlorotoluene, o-	95-49-8					2.0E+04			2.0E+04
				2.0E-02	X			V		1		2.5E+02	1.4E+09	7.9E+03	Chlorotoluene, p-	106-43-4					2.0E+04			2.0E+04
2.4E+02	C	6.9E-02	C							1	0.1		1.4E+09		Chlorozotocin	54749-90-5	1.2E-02	1.8E-02	2.4E+02	7.2E-03				
				2.0E-01	I					1	0.1		1.4E+09		Chlorpropham	101-21-3					2.0E+05	3.1E+05		1.2E+05
				1.0E-03	A					1	0.1		1.4E+09		Chlorpyrifos	2921-88-2					1.0E+03	1.5E+03		6.2E+02
				1.0E-02	H					1	0.1		1.4E+09		Chlorpyrifos Methyl	5598-13-0					1.0E+04	1.5E+04		6.2E+03
				5.0E-02	I					1	0.1		1.4E+09		Chlorsulfuron	64902-72-3					5.1E+04	7.7E+04		3.1E+04
				8.0E-04	H					1	0.1		1.4E+09		Chlorthiophos	60238-56-4					8.2E+02	1.2E+03		4.9E+02
				1.5E+00	I					0.013			1.4E+09		Chromium(III), Insoluble Salts	16065-83-1					1.5E+06			1.5E+06
5.0E-01	J	8.4E-02	S	3.0E-03	I	1.0E-04	I		M	0.025			1.4E+09		Chromium(VI)	18540-29-9	5.7E+00		2.0E+02	5.6E+00	3.1E+03		6.0E+05	3.1E+03
										0.013			1.4E+09		Chromium, Total	7440-47-3								
		9.0E-03	P	3.0E-04	P	6.0E-06	P			1			1.4E+09		Cobalt	7440-48-4			1.9E+03	1.9E+03	3.1E+02		3.6E+04	3.0E+02
		6.2E-04	I						M	1	0.1				Coke Oven Emissions	8007-45-2								
				4.0E-02	H					1			1.4E+09		Copper	7440-50-8					4.1E+04			4.1E+04
				5.0E-02	I	6.0E-01	C			1	0.1		1.4E+09		Cresol, m-	108-39-4					5.1E+04	7.7E+04	3.6E+09	3.1E+04
				5.0E-02	I	6.0E-01	C			1	0.1		1.4E+09		Cresol, o-	95-48-7					5.1E+04	7.7E+04	3.6E+09	3.1E+04
				1.0E-01	A	6.0E-01	C			1	0.1		1.4E+09		Cresol, p-	106-44-5					1.0E+05	1.5E+05	3.6E+09	6.2E+04
				1.0E-01	A					1	0.1		1.4E+09		Cresol, p-chloro-m-	59-50-7					1.0E+05	1.5E+05		6.2E+04
				1.0E-01	A	6.0E-01	C			1	0.1		1.4E+09		Cresols	1319-77-3					1.0E+05	1.5E+05	3.6E+09	6.2E+04
1.9E+00	H			1.0E-03	P			V		1		1.7E+04	1.4E+09	2.0E+04	Crotonaldehyde, trans-	123-73-9	1.5E+00			1.5E+00	1.0E+03			1.0E+03
				1.0E-01	I	4.0E-01	I	V		1		2.7E+02	1.4E+09	6.7E+03	Cumene	98-82-8					1.0E+05		1.2E+04	1.1E+04
2.2E-01	C	6.3E-05	C							1	0.1		1.4E+09		Cupferron	135-20-6	1.3E+01	2.0E+01	2.6E+05	7.8E+00				
8.4E-01	H			2.0E-03	H					1	0.1		1.4E+09		Cyanazine	21725-46-2	3.4E+00	5.2E+00		2.1E+00	2.0E+03	3.1E+03		1.2E+03
															Cyanides									
				1.0E-03	I					1			1.4E+09		~Calcium Cyanide	592-01-8					1.0E+03			1.0E+03
				5.0E-03	I					1			1.4E+09		~Copper Cyanide	544-92-3					5.1E+03			5.1E+03
				6.0E-04	I	8.0E-04	S	V		1		1.0E+07	1.4E+09	5.0E+04	~Cyanide (CN-)	57-12-5					6.1E+02		1.8E+02	1.4E+02
				1.0E-03	I			V		1			1.4E+09		~Cyanogen	460-19-5					1.0E+03			1.0E+03
				9.0E-02	I			V		1			1.4E+09		~Cyanogen Bromide	506-68-3					9.2E+04			9.2E+04
				5.0E-02	I			V		1			1.4E+09		~Cyanogen Chloride	506-77-4					5.1E+04			5.1E+04
				6.0E-04	I	8.0E-04	I	V		1		1.0E+07	1.4E+09	5.6E+04	~Hydrogen Cyanide	74-90-8					6.1E+02		2.0E+02	1.5E+02
				2.0E-03	I					1			1.4E+09		~Potassium Cyanide	151-50-8					2.0E+03			2.0E+03
				5.0E-03	I					0.04			1.4E+09		~Potassium Silver Cyanide	506-61-6					5.1E+03			5.1E+03
				1.0E-01	I					0.04			1.4E+09		~Silver Cyanide	506-64-9					1.0E+05			1.0E+05
				1.0E-03	I					1			1.4E+09		~Sodium Cyanide	143-33-9					1.0E+03			1.0E+03
				2.0E-04	P					1			1.4E+09		~Thiocyanates	NA					2.0E+02			2.0E+02
				2.0E-04	X					1			1.4E+09		~Thiocyanic Acid	463-56-9								
				5.0E-02	I					1			1.4E+09		~Zinc Cyanide	557-21-1					5.1E+04			5.1E+04
						6.0E+00	I	V		1		1.2E+02	1.4E+09	1.1E+03	Cyclohexane	110-82-7							2.9E+04	2.9E+04
2.3E-02	H									1	0.1		1.4E+09		Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	1.2E+02	1.9E+02		7.5E+01				
				5.0E+00	I	7.0E-01	P			1	0.1		1.4E+09		Cyclohexanone	108-94-1					5.1E+06	7.7E+06	4.2E+09	3.1E+06
				5.0E-03	P	1.0E+00	X	V		1		2.8E+02	1.4E+09	1.4E+03	Cyclohexene	110-83-8					5.1E+03		6.3E+03	2.8E+03
				2.0E-01	I					1	0.1		1.4E+09		Cyclohexylamine	108-91-8					2.0E+05	3.1E+05		1.2E+05
				5.0E-03	I					1	0.1		1.4E+09		Cyhalothrin/karate	68085-85-8					5.1E+03	7.7E+03		3.1E+03
				1.0E-02	I					1	0.1		1.4E+09		Cypermethrin	52315-07-8					1.0E+04	1.5E+04		6.2E+03
				7.5E-03	I					1	0.1		1.4E+09		Cyromazine	66215-27-8					7.7E+03	1.2E+04		4.6E+03
2.4E-01	I	6.9E-05	C							1	0.1		1.4E+09		DDD	72-54-8	1.2E+01	1.8E+01	2.4E+05	7.2E+00				
3.4E-01	I	9.7E-05	C							1	0.1		1.4E+09		DDE, p,p'-	72-55-9	8.4E+00	1.3E+01	1.7E+05	5.1E+00				
3.4E-01	I	9.7E-05	I	5.0E-04	I					1	0.03		1.4E+09		DDT	50-29-3	8.4E+00	4.3E+01	1.7E+05	7.0E+00	5.1E+02	2.6E+03		4.3E+02
				1.0E-02	I					1	0.1		1.4E+09		Dacthal	1861-32-1					1.0E+04	1.5E+04		6.2E+03

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				3.0E-02	I					1	0.1		1.4E+09		Dalapon	75-99-0					3.1E+04	4.6E+04		1.8E+04
7.0E-04	I			7.0E-03	I					1	0.1		1.4E+09		Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	4.1E+03	6.2E+03		2.5E+03	7.2E+03	1.1E+04		4.3E+03
				4.0E-05	I					1	0.1		1.4E+09		Demeton	8065-48-3					4.1E+01	6.2E+01		2.5E+01
1.2E-03	I			6.0E-01	I					1	0.1		1.4E+09		Di(2-ethylhexyl)adipate	103-23-1	2.4E+03	3.6E+03		1.4E+03	6.1E+05	9.3E+05		3.7E+05
6.1E-02	H									1	0.1		1.4E+09		Diallate	2303-16-4	4.7E+01	7.1E+01		2.8E+01				
				7.0E-04	A					1	0.1		1.4E+09		Diazinon	333-41-5					7.2E+02	1.1E+03		4.3E+02
				1.0E-02	X			V		1			1.4E+09	4.4E+05	Dibenzothiophene	132-65-0					1.0E+04			1.0E+04
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1		9.8E+02	1.4E+09	3.4E+04	Dibromo-3-chloropropane, 1,2-	96-12-8	3.6E+00		7.0E-02	6.9E-02	2.0E+02		3.0E+01	2.6E+01
				1.0E-02	I					1	0.1		1.4E+09		Dibromobenzene, 1,4-	106-37-6					1.0E+04	1.5E+04		6.2E+03
8.4E-02	I	2.7E-05	C	2.0E-02	I			V		1	0.1	8.0E+02	1.4E+09	8.6E+03	Dibromochloromethane	124-48-1	3.4E+01	5.2E+01	3.9E+00	3.3E+00	2.0E+04	3.1E+04		1.2E+04
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.3E+03	1.4E+09	9.3E+03	Dibromoethane, 1,2-	106-93-4	1.4E+00		1.9E-01	1.7E-01	9.2E+03		3.7E+02	3.5E+02
				1.0E-02	H	4.0E-03	X	V		1		2.8E+03	1.4E+09	6.1E+03	Dibromomethane (Methylene Bromide)	74-95-3					1.0E+04		1.1E+02	1.1E+02
				3.0E-04	P					1	0.1		1.4E+09		Dibutyltin Compounds	NA					3.1E+02	4.6E+02		1.8E+02
				3.0E-02	I					1	0.1		1.4E+09		Dicamba	1918-00-9					3.1E+04	4.6E+04		1.8E+04
		4.2E-03	P					V		1		5.2E+02	1.4E+09	1.2E+04	Dichloro-2-butene, 1,4-	764-41-0			3.5E-02	3.5E-02				
		4.2E-03	P					V		1	0.1	5.2E+02	1.4E+09	1.2E+04	Dichloro-2-butene, cis-1,4-	1476-11-5			3.5E-02	3.5E-02				
		4.2E-03	P					V		1	0.1	7.6E+02	1.4E+09	1.2E+04	Dichloro-2-butene, trans-1,4-	110-57-6			3.5E-02	3.5E-02				
5.0E-02	I			4.0E-03	I					1	0.1		1.4E+09		Dichloroacetic Acid	79-43-6	5.7E+01	8.7E+01		3.4E+01	4.1E+03	6.2E+03		2.5E+03
				9.0E-02	I	2.0E-01	H	V		1		3.8E+02	1.4E+09	1.3E+04	Dichlorobenzene, 1,2-	95-50-1					9.2E+04		1.1E+04	9.8E+03
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		1			1.4E+09	1.1E+04	Dichlorobenzene, 1,4-	106-46-7	5.3E+02		1.3E+01	1.2E+01	7.2E+04		3.9E+04	2.5E+04
4.5E-01	I	3.4E-04	C							1	0.1		1.4E+09		Dichlorobenzidine, 3,3'-	91-94-1	6.4E+00	9.6E+00	4.9E+04	3.8E+00				
				9.0E-03	X					1	0.1		1.4E+09		Dichlorobenzophenone, 4,4'-	90-98-2					9.2E+03	1.4E+04		5.5E+03
				2.0E-01	I	1.0E-01	X	V		1		8.5E+02	1.4E+09	9.1E+02	Dichlorodifluoromethane	75-71-8					2.0E+05		4.0E+02	4.0E+02
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		1		1.7E+03	1.4E+09	2.2E+03	Dichloroethane, 1,1-	75-34-3	5.0E+02		1.7E+01	1.7E+01	2.0E+05			2.0E+05
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1		3.0E+03	1.4E+09	4.9E+03	Dichloroethane, 1,2-	107-06-2	3.1E+01		2.3E+00	2.2E+00	6.1E+03		1.5E+02	1.5E+02
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	1.4E+09	1.2E+03	Dichloroethylene, 1,1-	75-35-4					5.1E+04		1.1E+03	1.1E+03
				9.0E-03	H			V		1		1.3E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0					9.2E+03			9.2E+03
				2.0E-03	I			V		1		2.4E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2-cis-	156-59-2					2.0E+03			2.0E+03
				2.0E-02	I	6.0E-02	P	V		1		1.7E+03	1.4E+09	2.7E+03	Dichloroethylene, 1,2-trans-	156-60-5					2.0E+04		7.1E+02	6.9E+02
				3.0E-03	I					1	0.1		1.4E+09		Dichlorophenol, 2,4-	120-83-2					3.1E+03	4.6E+03		1.8E+03
				1.0E-02	I					1	0.05		1.4E+09		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7					1.0E+04	3.1E+04		7.7E+03
				8.0E-03	I					1	0.1		1.4E+09		Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6					8.2E+03	1.2E+04		4.9E+03
3.6E-02	C	1.0E-05	C	9.0E-02	A	4.0E-03	I	V		1		1.4E+03	1.4E+09	4.1E+03	Dichloropropane, 1,2-	78-87-5	7.9E+01		5.0E+00	4.7E+00	9.2E+04		7.1E+01	7.1E+01
				2.0E-02	P			V		1		1.5E+03	1.4E+09	7.3E+03	Dichloropropane, 1,3-	142-28-9					2.0E+04			2.0E+04
				3.0E-03	I					1	0.1		1.4E+09		Dichloropropanol, 2,3-	616-23-9					3.1E+03	4.6E+03		1.8E+03
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.6E+03	1.4E+09	3.8E+03	Dichloropropene, 1,3-	542-75-6	2.9E+01		1.2E+01	8.3E+00	3.1E+04		3.4E+02	3.3E+02
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		1.4E+09		Dichlorvos	62-73-7	9.9E+00	1.5E+01	2.0E+05	5.9E+00	5.1E+02	7.7E+02	3.0E+06	3.1E+02
				8.0E-03	P	7.0E-03	P	V		1			1.4E+09	4.4E+03	Dicyclopentadiene	77-73-6					8.2E+03		1.4E+02	1.3E+02
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		1.4E+09		Dieldrin	60-57-1	1.8E-01	2.7E-01	3.6E+03	1.1E-01	5.1E+01	7.7E+01		3.1E+01
		3.0E-04	C			5.0E-03	I			1	0.1				Diesel Engine Exhaust	NA								
				2.0E-03	P	2.0E-04	P			1	0.1		1.4E+09		Diethanolamine	111-42-2					2.0E+03	3.1E+03	1.2E+06	1.2E+03
				3.0E-02	P	1.0E-04	P			1	0.1		1.4E+09		Diethylene Glycol Monobutyl Ether	112-34-5					3.1E+04	4.6E+04	6.0E+05	1.8E+04
				6.0E-02	P	3.0E-04	P			1	0.1		1.4E+09		Diethylene Glycol Monoethyl Ether	111-90-0					6.1E+04	9.3E+04	1.8E+06	3.6E+04
				1.0E-03	P					1	0.1		1.4E+09		Diethylformamide	617-84-5					1.0E+03	1.5E+03		6.2E+02
3.5E+02	C	1.0E-01	C							1	0.1		1.4E+09		Diethylstilbestrol	56-53-1	8.2E-03	1.2E-02	1.7E+02	4.9E-03				
				8.0E-02	I					1	0.1		1.4E+09		Difenzoquat	43222-48-6					8.2E+04	1.2E+05		4.9E+04
				2.0E-02	I					1	0.1		1.4E+09		Diflubenzuron	35367-38-5					2.0E+04	3.1E+04		1.2E+04
						4.0E+01	I	V		1		1.4E+03	1.4E+09	1.2E+03	Difluoroethane, 1,1-	75-37-6							2.2E+05	2.2E+05
4.4E-02	C	1.3E-05	C					V		1	0.1		1.4E+09	1.3E+03	Dihydrosafrole	94-58-6	6.5E+01	9.9E+01	1.3E+00	1.2E+00				
						7.0E-01	P	V		1		2.3E+03	1.4E+09	3.3E+03	Diisopropyl Ether	108-20-3							1.0E+04	1.0E+04
				8.0E-02	I			V		1		5.3E+02	1.4E+09	3.1E+04	Diisopropyl Methylphosphonate	1445-75-6					8.2E+04			8.2E+04
				2.0E-02	I					1	0.1		1.4E+09		Dimethipin	55290-64-7					2.0E+04	3.1E+04		1.2E+04
				2.0E-04	I					1	0.1		1.4E+09		Dimethoate	60-51-5					2.0E+02	3.1E+02		1.2E+02
1.6E+00	P									1	0.1		1.4E+09		Dimethoxybenzidine, 3,3'-	119-90-4	1.8E+00	2.7E+00		1.1E+00				
1.7E-03	P			6.0E-02	P					1	0.1		1.4E+09		Dimethyl methylphosphonate	756-79-6	1.7E+03	2.6E+03		1.0E+03	6.1E+04	9.3E+04		3.7E+04
4.6E+00	C	1.3E-03	C							1	0.1		1.4E+09		Dimethylamino azobenzene [p-]	60-11-7	6.2E-01	9.4E-01	1.3E+04	3.7E-01				
5.8E-01	H									1	0.1		1.4E+09		Dimethylaniline HCl, 2,4-	21436-96-4	4.9E+00	7.5E+00		3.0E+00				
2.0E-01	P			2.0E-03	X					1	0.1		1.4E+09		Dimethylaniline, 2,4-	95-68-1	1.4E+01	2.2E+01		8.6E+00	2.0E+03	3.1E+03		1.2E+03
				2.0E-03	I			V		1		8.3E+02	1.4E+09	3.4E+04	Dimethylaniline, N,N-	121-69-7					2.0E+03			2.0E+03
1.1E+01	P									1	0.1		1.4E+09		Dimethylbenzidine, 3,3'-	119-93-7	2.6E-01	3.9E-01		1.6E-01				
				1.0E-01	P	3.0E-02	I			1	0.1		1.4E+09		Dimethylformamide	68-12-2					1.0E+05	1.5E+05	1.8E+08	6.2E+04
				1.0E-04	X	2.0E-06	X			1	0.1		1.4E+09		Dimethylhydrazine, 1,1-	57-14-7					1.0E+02	1.5E+02	1.2E+04	6.1E+01
5.5E+02	C	1.6E-01	C							1	0.1		1.4E+09		Dimethylhydrazine, 1,2-	540-73-8	5.2E-03	7.9E-03	1.0E+02	3.1E-03				
				2.0E-02	I					1	0.1		1.4E+09		Dimethylphenol, 2,4-	105-67-9					2.0E+04	3.1E+04		1.2E+04
				6.0E-04	I					1	0.1		1.4E+09		Dimethylphenol, 2,6-	576-26-1					6.1E+02	9.3E+02		3.7E+02

DRAFT 10-1-06

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				1.0E-03	I					1	0.1		1.4E+09		Dimethylphenol, 3,4-	95-65-8					1.0E+03	1.5E+03		6.2E+02
4.5E-02	C	1.3E-05	C					V		1	0.1	1.1E+03	1.4E+09	1.1E+03	Dimethylvinylchloride	513-37-1	6.4E+01	9.6E+01	1.0E+00	1.0E+00				
				8.0E-05	X					1	0.1		1.4E+09		Dinitro-o-cresol, 4,6-	534-52-1					8.2E+01	1.2E+02		4.9E+01
				2.0E-03	I					1	0.1		1.4E+09		Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5					2.0E+03	3.1E+03		1.2E+03
				1.0E-04	P					1	0.1		1.4E+09		Dinitrobenzene, 1,2-	528-29-0					1.0E+02	1.5E+02		6.2E+01
				1.0E-04	I					1	0.1		1.4E+09		Dinitrobenzene, 1,3-	99-65-0					1.0E+02	1.5E+02		6.2E+01
				1.0E-04	P					1	0.1		1.4E+09		Dinitrobenzene, 1,4-	100-25-4					1.0E+02	1.5E+02		6.2E+01
				2.0E-03	I					1	0.1		1.4E+09		Dinitrophenol, 2,4-	51-28-5					2.0E+03	3.1E+03		1.2E+03
6.8E-01	I									1	0.1		1.4E+09		Dinitrotoluene Mixture, 2,4/2,6-	NA	4.2E+00	6.4E+00		2.5E+00				
3.1E-01	C	8.9E-05	C	2.0E-03	I					1	0.102		1.4E+09		Dinitrotoluene, 2,4-	121-14-2	9.2E+00	1.4E+01	1.9E+05	5.5E+00	2.0E+03	3.0E+03		1.2E+03
1.5E+00	P			3.0E-04	X					1	0.099		1.4E+09		Dinitrotoluene, 2,6-	606-20-2	1.9E+00	2.9E+00		1.2E+00	3.1E+02	4.7E+02		1.9E+02
				2.0E-03	S					1	0.006		1.4E+09		Dinitrotoluene, 2-Amino-4,6-	35572-78-2					2.0E+03	5.2E+04		2.0E+03
				2.0E-03	S					1	0.009		1.4E+09		Dinitrotoluene, 4-Amino-2,6-	19406-51-0					2.0E+03	3.4E+04		1.9E+03
4.5E-01	X			9.0E-04	X					1	0.1		1.4E+09		Dinitrotoluene, Technical grade	25321-14-6	6.4E+00	9.6E+00		3.8E+00	9.2E+02	1.4E+03		5.5E+02
				1.0E-03	I					1	0.1		1.4E+09		Dinoseb	88-85-7					1.0E+03	1.5E+03		6.2E+02
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I			1	0.1		1.4E+09		Dioxane, 1,4-	123-91-1	2.9E+01	4.3E+01	3.3E+06	1.7E+01	3.1E+04	4.6E+04	1.8E+08	1.8E+04
															Dioxins									
6.2E+03	I	1.3E+00	I							1	0.03		1.4E+09		~Hexachlorodibenzo-p-dioxin, Mixture	NA	4.6E-04	2.3E-03	1.3E+01	3.9E-04				
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C			1	0.03		1.4E+09		~TCDD, 2,3,7,8-	1746-01-6	2.2E-05	1.1E-04	4.4E-01	1.8E-05	7.2E-04	3.6E-03	2.4E+02	6.0E-04
				3.0E-02	I					1	0.1		1.4E+09		Diphenamid	957-51-7					3.1E+04	4.6E+04		1.8E+04
				8.0E-04	X					1	0.1		1.4E+09		Diphenyl Sulfone	127-63-9					8.2E+02	1.2E+03		4.9E+02
				2.5E-02	I					1	0.1		1.4E+09		Diphenylamine	122-39-4					2.6E+04	3.9E+04		1.5E+04
8.0E-01	I	2.2E-04	I							1	0.1		1.4E+09		Diphenylhydrazine, 1,2-	122-66-7	3.6E+00	5.4E+00	7.6E+04	2.2E+00				
				2.2E-03	I					1	0.1		1.4E+09		Diquat	85-00-7					2.2E+03	3.4E+03		1.4E+03
7.4E+00	C	2.1E-03	C							1	0.1		1.4E+09		*Direct Black 38*	1937-37-7	3.9E-01	5.9E-01	7.9E+03	2.3E-01				
7.4E+00	C	2.1E-03	C							1	0.1		1.4E+09		Direct Blue 6	2602-46-2	3.9E-01	5.9E-01	7.9E+03	2.3E-01				
6.7E+00	C	1.9E-03	C							1	0.1		1.4E+09		Direct Brown 95	16071-86-6	4.3E-01	6.5E-01	8.8E+03	2.6E-01				
				4.0E-05	I					1	0.1		1.4E+09		Disulfoton	298-04-4					4.1E+01	6.2E+01		2.5E+01
				1.0E-02	I			V		1	0.1		1.4E+09	4.6E+04	Dithiane, 1,4-	505-29-3					1.0E+04	1.5E+04		6.2E+03
				2.0E-03	I					1	0.1		1.4E+09		Diuron	330-54-1					2.0E+03	3.1E+03		1.2E+03
				4.0E-03	I					1	0.1		1.4E+09		Dodine	2439-10-3					4.1E+03	6.2E+03		2.5E+03
				2.5E-02	I			V		1			1.4E+09	1.3E+05	EPTC	759-94-4					2.6E+04			2.6E+04
				6.0E-03	I					1	0.1		1.4E+09		Endosulfan	115-29-7					6.1E+03	9.3E+03		3.7E+03
				2.0E-02	I					1	0.1		1.4E+09		Endothall	145-73-3					2.0E+04	3.1E+04		1.2E+04
				3.0E-04	I					1	0.1		1.4E+09		Endrin	72-20-8					3.1E+02	4.6E+02		1.8E+02
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1		1.1E+04	1.4E+09	2.0E+04	Epichlorohydrin	106-89-8	2.9E+02		2.1E+02	1.2E+02	6.1E+03		8.9E+01	8.8E+01
						2.0E-02	I	V		1		1.5E+04	1.4E+09	8.2E+03	Epoxybutane, 1,2-	106-88-7							7.2E+02	7.2E+02
				5.0E-03	I					1	0.1		1.4E+09		Ethephon	16672-87-0					5.1E+03	7.7E+03		3.1E+03
				5.0E-04	I					1	0.1		1.4E+09		Ethion	563-12-2					5.1E+02	7.7E+02		3.1E+02
				1.0E-01	P	6.0E-02	P			1	0.1		1.4E+09		Ethoxyethanol Acetate, 2-	111-15-9					1.0E+05	1.5E+05	3.6E+08	6.2E+04
				9.0E-02	P	2.0E-01	I			1	0.1		1.4E+09		Ethoxyethanol, 2-	110-80-5					9.2E+04	1.4E+05	1.2E+09	5.5E+04
				9.0E-01	I	7.0E-02	P	V		1		1.1E+04	1.4E+09	9.3E+03	Ethyl Acetate	141-78-6					9.2E+05		2.8E+03	2.8E+03
4.8E-02	H							V		1		2.5E+03	1.4E+09	6.8E+03	Ethyl Acrylate	140-88-5	6.0E+01			6.0E+01				
						1.0E+01	I	V		1		2.1E+03	1.4E+09	1.4E+03	Ethyl Chloride (Chloroethane)	75-00-3							6.1E+04	6.1E+04
				2.0E-01	I			V		1		1.0E+04	1.4E+09	3.4E+03	Ethyl Ether	60-29-7					2.0E+05			2.0E+05
				9.0E-02	H	3.0E-01	P	V		1		1.1E+03	1.4E+09	6.2E+03	Ethyl Methacrylate	97-63-2					9.2E+04		8.2E+03	7.5E+03
				1.0E-05	I					1	0.1		1.4E+09		Ethyl-p-nitrophenyl Phosphonate	2104-64-5					1.0E+01	1.5E+01		6.2E+00
1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		1		4.8E+02	1.4E+09	6.1E+03	Ethylbenzene	100-41-4	2.6E+02		3.0E+01	2.7E+01	1.0E+05		2.7E+04	2.1E+04
				7.0E-02	P					1	0.1		1.4E+09		Ethylene Cyanohydrin	109-78-4					7.2E+04	1.1E+05		4.3E+04
				9.0E-02	P					1	0.1		1.4E+09		Ethylene Diamine	107-15-3					9.2E+04	1.4E+05		5.5E+04
				2.0E+00	I	4.0E-01	C			1	0.1		1.4E+09		Ethylene Glycol	107-21-1					2.0E+06	3.1E+06	2.4E+09	1.2E+06
				1.0E-01	I	1.6E+00	I			1	0.1		1.4E+09		Ethylene Glycol Monobutyl Ether	111-76-2					1.0E+05	1.5E+05	9.5E+09	6.2E+04
3.1E-01	C	8.8E-05	C			3.0E-02	C	V		1		1.2E+05	1.4E+09	6.6E+03	Ethylene Oxide	75-21-8	9.2E+00		9.1E-01	8.3E-01			8.6E+02	8.6E+02
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		1.4E+09		Ethylene Thiourea	96-45-7	6.4E+01	9.6E+01	1.3E+06	3.8E+01	8.2E+01	1.2E+02		4.9E+01
6.5E+01	C	1.9E-02	C					V		1	0.1	1.5E+05	1.4E+09	2.6E+04	Ethyleneimine	151-56-4	4.4E-02	6.7E-02	1.7E-02	1.0E-02				
				3.0E+00	I					1	0.1		1.4E+09		Ethylphthalyl Ethyl Glycolate	84-72-0					3.1E+06	4.6E+06		1.8E+06
				8.0E-03	I					1	0.1		1.4E+09		Express	101200-48-0					8.2E+03	1.2E+04		4.9E+03
				2.5E-04	I					1	0.1		1.4E+09		Fenamiphos	22224-92-6					2.6E+02	3.9E+02		1.5E+02
				2.5E-02	I					1	0.1		1.4E+09		Fenpropathrin	39515-41-8					2.6E+04	3.9E+04		1.5E+04
				1.3E-02	I					1	0.1		1.4E+09		Fluometuron	2164-17-2					1.3E+04	2.0E+04		8.0E+03
				4.0E-02	C	1.3E-02	C			1			1.4E+09		Fluoride	16984-48-8					4.1E+04		7.7E+07	4.1E+04
				6.0E-02	I	1.3E-02	C			1			1.4E+09		Fluorine (Soluble Fluoride)	7782-41-4					6.1E+04		7.7E+07	6.1E+04
				8.0E-02	I					1	0.1		1.4E+09		Fluridone	59756-60-4					8.2E+04	1.2E+05		4.9E+04
				2.0E-02	I					1	0.1		1.4E+09		Flurprimidol	56425-91-3					2.0E+04	3.1E+04		1.2E+04
				6.0E-02	I					1	0.1		1.4E+09		Flutolanil	66332-96-5					6.1E+04	9.3E+04		3.7E+04

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				1.0E-02	I					1	0.1		1.4E+09		Fluvalinate	69409-94-5					1.0E+04	1.5E+04		6.2E+03
3.5E-03	I			1.0E-01	I					1	0.1		1.4E+09		Folpet	133-07-3	8.2E+02	1.2E+03		4.9E+02	1.0E+05	1.5E+05		6.2E+04
1.9E-01	I									1	0.1		1.4E+09		Fomesafen	72178-02-0	1.5E+01	2.3E+01		9.1E+00				
				2.0E-03	I					1	0.1		1.4E+09		Fonofos	944-22-9					2.0E+03	3.1E+03		1.2E+03
		1.3E-05	I	2.0E-01	I	9.8E-03	A			1	0.1		1.4E+09		Formaldehyde	50-00-0			1.3E+06	1.3E+06	2.0E+05	3.1E+05	5.8E+07	1.2E+05
				9.0E-01	P	3.0E-04	X			1	0.1		1.4E+09		Formic Acid	64-18-6					9.2E+05	1.4E+06	1.8E+06	4.2E+05
				3.0E+00	I					1	0.1		1.4E+09		Fosetyl-AL	39148-24-8					3.1E+06	4.6E+06		1.8E+06
															Furans									
				1.0E-03	X			V		1			1.4E+09	2.1E+05	~Dibenzofuran	132-64-9					1.0E+03			1.0E+03
				1.0E-03	I			V		1		6.2E+03	1.4E+09	2.8E+03	~Furan	110-00-9					1.0E+03			1.0E+03
				9.0E-01	I	2.0E+00	I	V		1	0.1	1.7E+05	1.4E+09	1.3E+04	~Tetrahydrofuran	109-99-9					9.2E+05	1.4E+06	1.2E+05	9.5E+04
3.8E+00	H									1	0.1		1.4E+09		Furazolidone	67-45-8	7.5E-01	1.1E+00		4.5E-01				
				3.0E-03	I	5.0E-02	H			1	0.1		1.4E+09		Furfural	98-01-1					3.1E+03	4.6E+03	3.0E+08	1.8E+03
1.5E+00	C	4.3E-04	C							1	0.1		1.4E+09		Furium	531-82-8	1.9E+00	2.9E+00	3.9E+04	1.1E+00				
3.0E-02	I	8.6E-06	C							1	0.1		1.4E+09		Furmecyclox	60568-05-0	9.5E+01	1.4E+02	1.9E+06	5.7E+01				
				4.0E-04	I					1	0.1		1.4E+09		Glufosinate, Ammonium	77182-82-2					4.1E+02	6.2E+02		2.5E+02
						8.0E-05	C			1	0.1		1.4E+09		Glutaraldehyde	111-30-8							4.8E+05	4.8E+05
				4.0E-04	I	1.0E-03	H			1	0.1		1.4E+09		Glycidyl	765-34-4					4.1E+02	6.2E+02	6.0E+06	2.5E+02
				1.0E-01	I					1	0.1		1.4E+09		Glyphosate	1071-83-6					1.0E+05	1.5E+05		6.2E+04
				3.0E-03	I					1	0.1		1.4E+09		Goal	42874-03-3					3.1E+03	4.6E+03		1.8E+03
				3.0E-03	A	1.0E-02	A			1	0.1		1.4E+09		Guthion	86-50-0					3.1E+03	4.6E+03	6.0E+07	1.8E+03
				5.0E-05	I					1	0.1		1.4E+09		Haloxyfop, Methyl	69806-40-2					5.1E+01	7.7E+01		3.1E+01
				1.3E-02	I					1	0.1		1.4E+09		Harmony	79277-27-3					1.3E+04	2.0E+04		8.0E+03
4.5E+00	I	1.3E-03	I	5.0E-04	I					1	0.1		1.4E+09		Heptachlor	76-44-8	6.4E-01	9.6E-01	1.3E+04	3.8E-01	5.1E+02	7.7E+02		3.1E+02
9.1E+00	I	2.6E-03	I	1.3E-05	I					1	0.1		1.4E+09		Heptachlor Epoxide	1024-57-3	3.1E-01	4.8E-01	6.4E+03	1.9E-01	1.3E+01	2.0E+01		8.0E+00
				2.0E-03	I					1	0.1		1.4E+09		Hexabromobenzene	87-82-1					2.0E+03	3.1E+03		1.2E+03
				2.0E-04	I					1	0.1		1.4E+09		Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2					2.0E+02	3.1E+02		1.2E+02
1.6E+00	I	4.6E-04	I	8.0E-04	I					1	0.1		1.4E+09		Hexachlorobenzene	118-74-1	1.8E+00	2.7E+00	3.6E+04	1.1E+00	8.2E+02	1.2E+03		4.9E+02
7.8E-02	I	2.2E-05	I	1.0E-03	P					1	0.1		1.4E+09		Hexachlorobutadiene	87-68-3	3.7E+01	5.6E+01	7.6E+05	2.2E+01	1.0E+03	1.5E+03		6.2E+02
6.3E+00	I	1.8E-03	I	8.0E-03	A					1	0.1		1.4E+09		Hexachlorocyclohexane, Alpha-	319-84-6	4.5E-01	6.9E-01	9.3E+03	2.7E-01	8.2E+03	1.2E+04		4.9E+03
1.8E+00	I	5.3E-04	I							1	0.1		1.4E+09		Hexachlorocyclohexane, Beta-	319-85-7	1.6E+00	2.4E+00	3.1E+04	9.6E-01				
1.1E+00	C	3.1E-04	C	3.0E-04	I					1	0.04		1.4E+09		Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	2.6E+00	9.9E+00	5.4E+04	2.1E+00	3.1E+02	1.2E+03		2.4E+02
1.8E+00	I	5.1E-04	I							1	0.1		1.4E+09		Hexachlorocyclohexane, Technical	608-73-1	1.6E+00	2.4E+00	3.3E+04	9.6E-01				
				6.0E-03	I	2.0E-04	I			1	0.1		1.4E+09		Hexachlorocyclopentadiene	77-47-4					6.1E+03	9.3E+03	1.2E+06	3.7E+03
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I			1	0.1		1.4E+09		Hexachloroethane	67-72-1	7.2E+01	1.1E+02	1.5E+06	4.3E+01	7.2E+02	1.1E+03	1.8E+08	4.3E+02
				3.0E-04	I					1	0.1		1.4E+09		Hexachlorophene	70-30-4					3.1E+02	4.6E+02		1.8E+02
1.1E-01	I			3.0E-03	I					1	0.015		1.4E+09		Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	2.6E+01	2.6E+02		2.4E+01	3.1E+03	3.1E+04		2.8E+03
						1.0E-05	I	V		1		5.2E+03	1.4E+09	3.2E+05	Hexamethylene Diisocyanate, 1,6-	822-06-0							1.4E+01	1.4E+01
				4.0E-04	P					1	0.1		1.4E+09		Hexamethylphosphoramide	680-31-9					4.1E+02	6.2E+02		2.5E+02
				6.0E-02	H	7.0E-01	I	V		1		1.4E+02	1.4E+09	8.9E+02	Hexane, N-	110-54-3					6.1E+04		2.7E+03	2.6E+03
				2.0E+00	P					1	0.1		1.4E+09		Hexanedioic Acid	124-04-9					2.0E+06	3.1E+06		1.2E+06
				5.0E-03	I	3.0E-02	I	V		1		3.3E+03	1.4E+09	1.4E+04	Hexanone, 2-	591-78-6					5.1E+03		1.9E+03	1.4E+03
				3.3E-02	I					1	0.1		1.4E+09		Hexazinone	51235-04-2					3.4E+04	5.1E+04		2.0E+04
3.0E+00	I	4.9E-03	I			3.0E-05	P			1			1.4E+09		Hydrazine	302-01-2	9.5E-01		3.4E+03	9.5E-01			1.8E+05	1.8E+05
3.0E+00	I	4.9E-03	I							1			1.4E+09		Hydrazine Sulfate	10034-93-2	9.5E-01		3.4E+03	9.5E-01				
						2.0E-02	I			1			1.4E+09		Hydrogen Chloride	7647-01-0							1.2E+08	1.2E+08
				4.0E-02	C	1.4E-02	C			1			1.4E+09		Hydrogen Fluoride	7664-39-3					4.1E+04		8.3E+07	4.1E+04
						2.0E-03	I			1			1.4E+09		Hydrogen Sulfide	7783-06-4							1.2E+07	1.2E+07
6.0E-02	P			4.0E-02	P					1	0.1		1.4E+09		Hydroquinone	123-31-9	4.8E+01	7.2E+01		2.9E+01	4.1E+04	6.2E+04		2.5E+04
				1.3E-02	I					1	0.1		1.4E+09		Imazalil	35554-44-0					1.3E+04	2.0E+04		8.0E+03
				2.5E-01	I					1	0.1		1.4E+09		Imazaquin	81335-37-7					2.6E+05	3.9E+05		1.5E+05
				1.0E-02	A					1			1.4E+09		Iodine	7553-56-2					1.0E+04			1.0E+04
				4.0E-02	I					1	0.1		1.4E+09		Iprodione	36734-19-7					4.1E+04	6.2E+04		2.5E+04
				7.0E-01	P					1			1.4E+09		Iron	7439-89-6					7.2E+05			7.2E+05
				3.0E-01	I					1	0.1		1.4E+09		Isobutyl Alcohol	78-83-1					3.1E+05	4.6E+05		1.8E+05
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		1.4E+09		Isophorone	78-59-1	3.0E+03	4.6E+03		1.8E+03	2.0E+05	3.1E+05	1.2E+10	1.2E+05
				1.5E-02	I					1	0.1		1.4E+09		Isopropalin	33820-53-0					1.5E+04	2.3E+04		9.2E+03
						7.0E+00	C			1	0.1		1.4E+09		Isopropanol	67-63-0							4.2E+10	4.2E+10
				1.0E-01	I					1	0.1		1.4E+09		Isopropyl Methyl Phosphonic Acid	1832-54-8					1.0E+05	1.5E+05		6.2E+04
				5.0E-02	I					1	0.1		1.4E+09		Isoxaben	82558-50-7					5.1E+04	7.7E+04		3.1E+04
						3.0E-01	A	V		1			1.4E+09		JP-7	NA							1.8E+09	1.8E+09
				7.5E-02	I					1	0.1		1.4E+09		Kerb	23950-58-5					7.7E+04	1.2E+05		4.6E+04
				2.0E-03	I					1	0.1		1.4E+09		Lactofen	77501-63-4					2.0E+03	3.1E+03		1.2E+03
															Lead Compounds									
2.8E-01	C	8.0E-05	C							1	0.1		1.4E+09		~Lead acetate	301-04-2	1.0E+01	1.5E+01	2.1E+05	6.2E+00				

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
										1			1.4E+09		~Lead and Compounds	7439-92-1								8.0E+02
3.8E-02	C	1.1E-05	C							1			1.4E+09		~Lead subacetate	1335-32-6	7.5E+01	1.1E+02	1.5E+06	4.5E+01				
				1.0E-07	I					1	0.1		1.4E+09		~Tetraethyl Lead	78-00-2					1.0E-01	1.5E-01		6.2E-02
				2.0E-03	I					1	0.1		1.4E+09		Linuron	330-55-2					2.0E+03	3.1E+03		1.2E+03
				2.0E-03	P					1			1.4E+09		Lithium	7439-93-2					2.0E+03			2.0E+03
				2.0E-01	I					1	0.1		1.4E+09		Londax	83055-99-6					2.0E+05	3.1E+05		1.2E+05
				5.0E-04	I					1	0.1		1.4E+09		MCPA	94-74-6					5.1E+02	7.7E+02		3.1E+02
				1.0E-02	I					1	0.1		1.4E+09		MCPB	94-81-5					1.0E+04	1.5E+04		6.2E+03
				1.0E-03	I					1	0.1		1.4E+09		MCPP	93-65-2					1.0E+03	1.5E+03		6.2E+02
				2.0E-02	I					1	0.1		1.4E+09		Malathion	121-75-5					2.0E+04	3.1E+04		1.2E+04
				1.0E-01	I	7.0E-04	C			1	0.1		1.4E+09		Maleic Anhydride	108-31-6					1.0E+05	1.5E+05	4.2E+06	6.1E+04
				5.0E-01	I					1	0.1		1.4E+09		Maleic Hydrazide	123-33-1					5.1E+05	7.7E+05		3.1E+05
				1.0E-04	P					1	0.1		1.4E+09		Malononitrile	109-77-3					1.0E+02	1.5E+02		6.2E+01
				3.0E-02	H					1	0.1		1.4E+09		Mancozeb	8018-01-7					3.1E+04	4.6E+04		1.8E+04
				5.0E-03	I					1	0.1		1.4E+09		Maneb	12427-38-2					5.1E+03	7.7E+03		3.1E+03
				1.4E-01	I	5.0E-05	I			1					Manganese (Diet)	7439-96-5								
				2.4E-02	S	5.0E-05	I			0.04			1.4E+09		Manganese (Non-diet)	7439-96-5					2.5E+04		3.0E+05	2.3E+04
				9.0E-05	H					1	0.1		1.4E+09		Mephosfolan	950-10-7					9.2E+01	1.4E+02		5.5E+01
				3.0E-02	I					1	0.1		1.4E+09		Mepiquat Chloride	24307-26-4					3.1E+04	4.6E+04		1.8E+04
															Mercury Compounds									
				3.0E-04	I	3.0E-04	S			0.07			1.4E+09		~Mercuric Chloride (and other Mercury salts)	7487-94-7					3.1E+02		1.8E+06	3.1E+02
						3.0E-04	I	V		1		3.1E+00	1.4E+09	3.2E+04	~Mercury (elemental)	7439-97-6							4.3E+01	4.3E+01
				1.0E-04	I					1			1.4E+09		~Methyl Mercury	22967-92-6					1.0E+02			1.0E+02
				8.0E-05	I					1	0.1		1.4E+09		~Phenylmercuric Acetate	62-38-4					8.2E+01	1.2E+02		4.9E+01
				3.0E-05	I					1	0.1		1.4E+09		Merphos	150-50-5					3.1E+01	4.6E+01		1.8E+01
				3.0E-05	I					1	0.1		1.4E+09		Merphos Oxide	78-48-8					3.1E+01	4.6E+01		1.8E+01
				6.0E-02	I					1	0.1		1.4E+09		Metalaxyl	57837-19-1					6.1E+04	9.3E+04		3.7E+04
				1.0E-04	I	3.0E-02	P	V		1		4.6E+03	1.4E+09	7.3E+03	Methacrylonitrile	126-98-7					1.0E+02		9.6E+02	9.2E+01
				5.0E-05	I					1	0.1		1.4E+09		Methamidophos	10265-92-6					5.1E+01	7.7E+01		3.1E+01
				2.0E+00	I	2.0E+01	I			1	0.1		1.4E+09		Methanol	67-56-1					2.0E+06	3.1E+06	1.2E+11	1.2E+06
				1.0E-03	I					1	0.1		1.4E+09		Methidathion	950-37-8					1.0E+03	1.5E+03		6.2E+02
				2.5E-02	I					1	0.1		1.4E+09		Methomyl	16752-77-5					2.6E+04	3.9E+04		1.5E+04
4.9E-02	C	1.4E-05	C							1	0.1		1.4E+09		Methoxy-5-nitroaniline, 2-	99-59-2	5.8E+01	8.8E+01	1.2E+06	3.5E+01				
				5.0E-03	I					1	0.1		1.4E+09		Methoxychlor	72-43-5					5.1E+03	7.7E+03		3.1E+03
				8.0E-03	P	1.0E-03	P			1	0.1		1.4E+09		Methoxyethanol Acetate, 2-	110-49-6					8.2E+03	1.2E+04	6.0E+06	4.9E+03
				5.0E-03	P	2.0E-02	I			1	0.1		1.4E+09		Methoxyethanol, 2-	109-86-4					5.1E+03	7.7E+03	1.2E+08	3.1E+03
				1.0E+00	X			V		1		2.9E+04	1.4E+09	8.7E+03	Methyl Acetate	79-20-9					1.0E+06			1.0E+06
				3.0E-02	H	2.0E-02	P	V		1		6.8E+03	1.4E+09	7.5E+03	Methyl Acrylate	96-33-3					3.1E+04		6.6E+02	6.4E+02
				6.0E-01	I	5.0E+00	I	V		1		2.8E+04	1.4E+09	1.3E+04	Methyl Ethyl Ketone (2-Butanone)	78-93-3					6.1E+05		2.9E+05	2.0E+05
		1.0E-03	X	1.0E-03	P	2.0E-05	X			1	0.1		1.4E+09		Methyl Hydrazine	60-34-4			1.7E+04	1.7E+04	1.0E+03	1.5E+03	1.2E+05	6.1E+02
				8.0E-02	H	3.0E+00	I	V		1		3.4E+03	1.4E+09	1.1E+04	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1					8.2E+04		1.5E+05	5.3E+04
						1.0E-03	C	V		1	0.1	1.7E+04	1.4E+09	4.8E+03	Methyl Isocyanate	624-83-9							2.1E+01	2.1E+01
				1.4E+00	I	7.0E-01	I	V		1		2.4E+03	1.4E+09	6.8E+03	Methyl Methacrylate	80-62-6					1.4E+06		2.1E+04	2.1E+04
				2.5E-04	I					1	0.1		1.4E+09		Methyl Parathion	298-00-0					2.6E+02	3.9E+02		1.5E+02
				6.0E-02	X					1	0.1		1.4E+09		Methyl Phosphonic Acid	993-13-5					6.1E+04	9.3E+04		3.7E+04
				6.0E-03	H	4.0E-02	H	V		1		3.9E+02	1.4E+09	1.2E+04	Methyl Styrene (Mixed Isomers)	25013-15-4					6.1E+03		2.0E+03	1.5E+03
9.9E-02	C	2.8E-05	C							1	0.1		1.4E+09		Methyl methanesulfonate	66-27-3	2.9E+01	4.4E+01	6.0E+05	1.7E+01				
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1		8.9E+03	1.4E+09	5.3E+03	Methyl tert-Butyl Ether (MTBE)	1634-04-4	1.6E+03		2.5E+02	2.2E+02			6.9E+04	6.9E+04
				3.0E-04	X					1	0.1		1.4E+09		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2					3.1E+02	4.6E+02		1.8E+02
9.0E-03	P			2.0E-02	X					1	0.1		1.4E+09		Methyl-5-Nitroaniline, 2-	99-55-8	3.2E+02	4.8E+02		1.9E+02	2.0E+04	3.1E+04		1.2E+04
8.3E+00	C	2.4E-03	C							1	0.1		1.4E+09		Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	3.4E-01	5.2E-01	6.9E+03	2.1E-01				
1.3E-01	C	3.7E-05	C							1	0.1		1.4E+09		Methylaniline Hydrochloride, 2-	636-21-5	2.2E+01	3.3E+01	4.5E+05	1.3E+01				
				1.0E-02	A					1	0.1		1.4E+09		Methylarsonic acid	124-58-3					1.0E+04	1.5E+04		6.2E+03
				2.0E-04	X					1	0.1		1.4E+09		Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7					2.0E+02	3.1E+02		1.2E+02
1.0E-01	X			3.0E-04	X					1	0.1		1.4E+09		Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	2.9E+01	4.3E+01		1.7E+01	3.1E+02	4.6E+02		1.8E+02
2.2E+01	C	6.3E-03	C						M	1	0.1		1.4E+09		Methylcholanthrene, 3-	56-49-5	1.3E-01	2.0E-01	2.6E+03	7.8E-02				
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	1		3.3E+03	1.4E+09	2.4E+03	Methylene Chloride	75-09-2	1.4E+03		2.9E+03	9.6E+02	6.1E+03		6.2E+03	3.1E+03
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	1	0.1		1.4E+09		Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2.9E+01	4.3E+01	3.9E+04	1.7E+01	2.0E+03	3.1E+03		1.2E+03
4.6E-02	I	1.3E-05	C							1	0.1		1.4E+09		Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	6.2E+01	9.4E+01	1.3E+06	3.7E+01				
1.6E+00	C	4.6E-04	C			2.0E-02	C			1	0.1		1.4E+09		Methylenebisbenzenamine, 4,4'-	101-77-9	1.8E+00	2.7E+00	3.6E+04	1.1E+00			1.2E+08	1.2E+08
						6.0E-04	I			1	0.1		1.4E+09		Methylenediphenyl Diisocyanate	101-68-8							3.6E+06	3.6E+06
				7.0E-02	H			V		1		5.0E+02	1.4E+09	1.4E+04	Methylstyrene, Alpha-	98-83-9					7.2E+04			7.2E+04
				1.5E-01	I					1	0.1		1.4E+09		Metolachlor	51218-45-2					1.5E+05	2.3E+05		9.2E+04
				2.5E-02	I					1	0.1		1.4E+09		Metribuzin	21087-64-9					2.6E+04	3.9E+04		1.5E+04
				3.0E+00	P			V		1	0.1	3.4E-01	1.4E+09	1.1E+03	Mineral oils	8012-95-1					3.1E+06	4.6E+06		1.8E+06

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
1.8E+01	C	5.1E-03	C	2.0E-04	I					1	0.1		1.4E+09		Mirex	2385-85-5	1.6E-01	2.4E-01	3.3E+03	9.6E-02	2.0E+02	3.1E+02		1.2E+02
				2.0E-03	I					1	0.1		1.4E+09		Molinate	2212-67-1					2.0E+03	3.1E+03		1.2E+03
				5.0E-03	I					1			1.4E+09		Molybdenum	7439-98-7					5.1E+03			5.1E+03
				1.0E-01	I					1			1.4E+09		Monochloramine	10599-90-3					1.0E+05			1.0E+05
				2.0E-03	P					1	0.1		1.4E+09		Monomethylaniline	100-61-8					2.0E+03	3.1E+03		1.2E+03
				3.0E-04	X					1	0.1		1.4E+09		N,N'-Diphenyl-1,4-benzenediamine	74-31-7					3.1E+02	4.6E+02		1.8E+02
				2.0E-03	I					1	0.1		1.4E+09		Naled	300-76-5					2.0E+03	3.1E+03		1.2E+03
				3.0E-02	X	1.0E-01	P	V		1			1.4E+09		Naphtha, High Flash Aromatic (HFAN)	64724-95-6					3.1E+04		6.0E+08	3.1E+04
1.8E+00	C	0.0E+00	C							1	0.1		1.4E+09		Naphthylamine, 2-	91-59-8	1.6E+00	2.4E+00		9.6E-01				
				1.0E-01	I					1	0.1		1.4E+09		Napropamide	15299-99-7					1.0E+05	1.5E+05		6.2E+04
				1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Carbonyl	13463-39-3					1.1E+04		8.3E+04	9.9E+03
				1.1E-02	C	2.0E-05	C			1			1.4E+09		Nickel Oxide	1313-99-1					1.1E+04		1.2E+05	1.0E+04
		2.4E-04	I	1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Refinery Dust	NA			6.9E+04	6.9E+04	1.1E+04		8.3E+04	9.9E+03
		2.6E-04	C	2.0E-02	I	9.0E-05	A			0.04			1.4E+09		Nickel Soluble Salts	7440-02-0			6.4E+04	6.4E+04	2.0E+04		5.4E+05	2.0E+04
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			0.04			1.4E+09		Nickel Subsulfide	12035-72-2	1.7E+00		3.5E+04	1.7E+00	1.1E+04		8.3E+04	9.9E+03
				1.6E+00	I					1			1.4E+09		Nitrate	14797-55-8					1.6E+06			1.6E+06
										1			1.4E+09		Nitrate + Nitrite (as N)	NA								
				1.0E-01	I					1			1.4E+09		Nitrite	14797-65-0					1.0E+05			1.0E+05
				1.0E-02	X	5.0E-05	X			1	0.1		1.4E+09		Nitroaniline, 2-	88-74-4					1.0E+04	1.5E+04	3.0E+05	6.0E+03
2.0E-02	P			4.0E-03	P	6.0E-03	P			1	0.1		1.4E+09		Nitroaniline, 4-	100-01-6	1.4E+02	2.2E+02		8.6E+01	4.1E+03	6.2E+03	3.6E+07	2.5E+03
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		1		3.1E+03	1.4E+09	7.9E+04	Nitrobenzene	98-95-3			2.4E+01	2.4E+01	2.0E+03		3.1E+03	1.2E+03
				3.0E+03	P					1	0.1		1.4E+09		Nitrocellulose	9004-70-0					3.1E+09	4.6E+09		1.8E+09
				7.0E-02	H					1	0.1		1.4E+09		Nitrofurantoin	67-20-9					7.2E+04	1.1E+05		4.3E+04
1.3E+00	C	3.7E-04	C							1	0.1		1.4E+09		Nitrofurazone	59-87-0	2.2E+00	3.3E+00	4.5E+04	1.3E+00				
1.7E-02	P			1.0E-04	P					1	0.1		1.4E+09		Nitroglycerin	55-63-0	1.7E+02	2.6E+02		1.0E+02	1.0E+02	1.5E+02		6.2E+01
				1.0E-01	I					1	0.1		1.4E+09		Nitroguanidine	556-88-7					1.0E+05	1.5E+05		6.2E+04
		8.8E-06	P			5.0E-03	P	V		1		1.8E+04	1.4E+09	1.8E+04	Nitromethane	75-52-5			2.5E+01	2.5E+01			4.0E+02	4.0E+02
		2.7E-03	H			2.0E-02	I	V		1		4.9E+03	1.4E+09	1.4E+04	Nitropropane, 2-	79-46-9			6.4E-02	6.4E-02			1.2E+03	1.2E+03
2.7E+01	C	7.7E-03	C						M	1	0.1		1.4E+09		Nitroso-N-ethylurea, N-	759-73-9	1.1E-01	1.6E-01	2.2E+03	6.4E-02				
1.2E+02	C	3.4E-02	C						M	1	0.1		1.4E+09		Nitroso-N-methylurea, N-	684-93-5	2.4E-02	3.6E-02	4.9E+02	1.4E-02				
5.4E+00	I	1.6E-03	I					V		1			1.4E+09	2.1E+05	Nitroso-di-N-butylamine, N-	924-16-3	5.3E-01		1.6E+00	4.0E-01				
7.0E+00	I	2.0E-03	C							1	0.1		1.4E+09		Nitroso-di-N-propylamine, N-	621-64-7	4.1E-01	6.2E-01	8.3E+03	2.5E-01				
2.8E+00	I	8.0E-04	C							1	0.1		1.4E+09		Nitrosodiethanolamine, N-	1116-54-7	1.0E+00	1.5E+00	2.1E+04	6.2E-01				
1.5E+02	I	4.3E-02	I						M	1	0.1		1.4E+09		Nitrosodiethylamine, N-	55-18-5	1.9E-02	2.9E-02	3.9E+02	1.1E-02				
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X		M	1	0.1		1.4E+09		Nitrosodimethylamine, N-	62-75-9	5.6E-02	8.5E-02	1.2E+03	3.4E-02	8.2E+00	1.2E+01	2.4E+05	4.9E+00
4.9E-03	I	2.6E-06	C							1	0.1		1.4E+09		Nitrosodiphenylamine, N-	86-30-6	5.8E+02	8.8E+02	6.4E+06	3.5E+02				
2.2E+01	I	6.3E-03	C							1	0.1		1.4E+09		Nitrosomethylethylamine, N-	10595-95-6	1.3E-01	2.0E-01	2.6E+03	7.8E-02				
6.7E+00	C	1.9E-03	C							1	0.1		1.4E+09		Nitrosomorpholine [N-]	59-89-2	4.3E-01	6.5E-01	8.8E+03	2.6E-01				
9.4E+00	C	2.7E-03	C							1	0.1		1.4E+09		Nitrosopiperidine [N-]	100-75-4	3.0E-01	4.6E-01	6.2E+03	1.8E-01				
2.1E+00	I	6.1E-04	I							1	0.1		1.4E+09		Nitrosopyrrolidine, N-	930-55-2	1.4E+00	2.1E+00	2.7E+04	8.2E-01				
				1.0E-04	X					1	0.1		1.4E+09		Nitrotoluene, m-	99-08-1					1.0E+02	1.5E+02		6.2E+01
2.2E-01	P			9.0E-04	P			V		1		1.5E+03	1.4E+09	1.5E+05	Nitrotoluene, o-	88-72-2	1.3E+01			1.3E+01	9.2E+02			9.2E+02
1.6E-02	P			4.0E-03	P					1	0.1		1.4E+09		Nitrotoluene, p-	99-99-0	1.8E+02	2.7E+02		1.1E+02	4.1E+03	6.2E+03		2.5E+03
				3.0E-04	X	2.0E-02	P	V		1		6.9E+00	1.4E+09	1.1E+03	Nonane, n-	111-84-2					3.1E+02		9.8E+01	7.4E+01
				4.0E-02	I					1	0.1		1.4E+09		Norflurazon	27314-13-2					4.1E+04	6.2E+04		2.5E+04
				7.0E-04	I					1	0.1		1.4E+09		Nustar	85509-19-9					7.2E+02	1.1E+03		4.3E+02
				3.0E-03	I					1	0.1		1.4E+09		Octabromodiphenyl Ether	32536-52-0					3.1E+03	4.6E+03		1.8E+03
				5.0E-02	I					1	0.006		1.4E+09		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0					5.1E+04	1.3E+06		4.9E+04
				2.0E-03	H					1	0.1		1.4E+09		Octamethylpyrophosphoramide	152-16-9					2.0E+03	3.1E+03		1.2E+03
				5.0E-02	I					1	0.1		1.4E+09		Oryzalin	19044-88-3					5.1E+04	7.7E+04		3.1E+04
				5.0E-03	I					1	0.1		1.4E+09		Oxadiazon	19666-30-9					5.1E+03	7.7E+03		3.1E+03
				2.5E-02	I					1	0.1		1.4E+09		Oxamyl	23135-22-0					2.6E+04	3.9E+04		1.5E+04
				1.3E-02	I					1	0.1		1.4E+09		Paclobutrazol	76738-62-0					1.3E+04	2.0E+04		8.0E+03
				4.5E-03	I					1	0.1		1.4E+09		Paraquat Dichloride	1910-42-5					4.6E+03	7.0E+03		2.8E+03
				6.0E-03	H					1	0.1		1.4E+09		Parathion	56-38-2					6.1E+03	9.3E+03		3.7E+03
				5.0E-02	H					1	0.1		1.4E+09		Pebulate	1114-71-2					5.1E+04	7.7E+04		3.1E+04
				4.0E-02	I					1	0.1		1.4E+09		Pendimethalin	40487-42-1					4.1E+04	6.2E+04		2.5E+04
				2.0E-03	I					1	0.1		1.4E+09		Pentabromodiphenyl Ether	32534-81-9					2.0E+03	3.1E+03		1.2E+03
				1.0E-04	I					1	0.1		1.4E+09		Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9					1.0E+02	1.5E+02		6.2E+01
				8.0E-04	I					1	0.1		1.4E+09		Pentachlorobenzene	608-93-5					8.2E+02	1.2E+03		4.9E+02
9.0E-02	P									1	0.1		1.4E+09		Pentachloroethane	76-01-7	3.2E+01	4.8E+01		1.9E+01				
2.6E-01	H			3.0E-03	I					1	0.1		1.4E+09		Pentachloronitrobenzene	82-68-8	1.1E+01	1.7E+01		6.6E+00	3.1E+03	4.6E+03		1.8E+03
4.0E-01	I	5.1E-06	C	5.0E-03	I					1	0.25		1.4E+09		Pentachlorophenol	87-86-5	7.2E+00	4.3E+00	3.3E+06	2.7E+00	5.1E+03	3.1E+03		1.9E+03
4.0E-03	X			2.0E-03	P					1	0.1		1.4E+09		Pentaerythritol tetranitrate (PETN)	78-11-5	7.2E+02	1.1E+03		4.3E+02	2.0E+03	3.1E+03		1.2E+03
						1.0E+00	P	V		1		3.9E+02	1.4E+09	8.4E+02	Pentane, n-	109-66-0							3.7E+03	3.7E+03

Updated 1E-06 HQ=1 0-10

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
															Perchlorates									
				7.0E-04	I					1			1.4E+09		~Ammonium Perchlorate	7790-98-9					7.2E+02			7.2E+02
				7.0E-04	I					1			1.4E+09		~Lithium Perchlorate	7791-03-9					7.2E+02			7.2E+02
				7.0E-04	I					1			1.4E+09		~Perchlorate and Perchlorate Salts	14797-73-0					7.2E+02			7.2E+02
				7.0E-04	I					1			1.4E+09		~Potassium Perchlorate	7778-74-7					7.2E+02			7.2E+02
				7.0E-04	I					1			1.4E+09		~Sodium Perchlorate	7601-89-0					7.2E+02			7.2E+02
				5.0E-02	I					1	0.1		1.4E+09		Permethrin	52645-53-1					5.1E+04	7.7E+04		3.1E+04
2.2E-03	C	6.3E-07	C							1	0.1		1.4E+09		Phenacetin	62-44-2	1.3E+03	2.0E+03	2.6E+07	7.8E+02				
				2.5E-01	I					1	0.1		1.4E+09		Phenmedipham	13684-63-4					2.6E+05	3.9E+05		1.5E+05
				3.0E-01	I	2.0E-01	C			1	0.1		1.4E+09		Phenol	108-95-2					3.1E+05	4.6E+05	1.2E+09	1.8E+05
				5.0E-04	X					1	0.1		1.4E+09		Phenothiazine	92-84-2					5.1E+02	7.7E+02		3.1E+02
				6.0E-03	I					1	0.1		1.4E+09		Phenylenediamine, m-	108-45-2					6.1E+03	9.3E+03		3.7E+03
4.7E-02	H									1	0.1		1.4E+09		Phenylenediamine, o-	95-54-5	6.1E+01	9.2E+01		3.7E+01				
				1.9E-01	H					1	0.1		1.4E+09		Phenylenediamine, p-	106-50-3					1.9E+05	2.9E+05		1.2E+05
1.9E-03	H									1	0.1		1.4E+09		Phenylphenol, 2-	90-43-7	1.5E+03	2.2E+03		8.9E+02				
				2.0E-04	H					1	0.1		1.4E+09		Phorate	298-02-2					2.0E+02	3.1E+02		1.2E+02
						3.0E-04	I	V		1		1.6E+03	1.4E+09	1.1E+03	Phosgene	75-44-5							1.4E+00	1.4E+00
				2.0E-02	I					1	0.1		1.4E+09		Phosmet	732-11-6					2.0E+04	3.1E+04		1.2E+04
															Phosphates, Inorganic									
				4.9E+01	P					1			1.4E+09		~Aluminum metaphosphate	13776-88-0					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Ammonium polyphosphate	68333-79-9					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Calcium pyrophosphate	7790-76-3					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Diammonium phosphate	7783-28-0					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Dicalcium phosphate	7757-93-9					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Dimagnesium phosphate	7782-75-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Dipotassium phosphate	7758-11-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Disodium phosphate	7558-79-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monoaluminum phosphate	13530-50-2					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monoammonium phosphate	7722-76-1					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monocalcium phosphate	7758-23-8					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monomagnesium phosphate	7757-86-0					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monopotassium phosphate	7778-77-0					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Monosodium phosphate	7558-80-7					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Polyphosphoric acid	8017-16-1					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Potassium tripolyphosphate	13845-36-8					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium acid pyrophosphate	7758-16-9					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (acidic)	7785-88-8					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (anhydrous)	10279-59-1					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium aluminum phosphate (tetrahydrate)	10305-76-7					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium hexametaphosphate	10124-56-8					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium polyphosphate	68915-31-1					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium trimetaphosphate	7785-84-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Sodium tripolyphosphate	7758-29-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Tetrapotassium phosphate	7320-34-5					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Tetrasodium pyrophosphate	7722-88-5					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Tricalcium phosphate	7758-87-4					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Trimagnesium phosphate	7757-87-1					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Tripotassium phosphate	7778-53-2					5.0E+07			5.0E+07
				4.9E+01	P					1			1.4E+09		~Trisodium phosphate	7601-54-9					5.0E+07			5.0E+07
				3.0E-04	I	3.0E-04	I			1			1.4E+09		Phosphine	7803-51-2					3.1E+02		1.8E+06	3.1E+02
				4.9E+01	P	1.0E-02	I			1			1.4E+09		Phosphoric Acid	7664-38-2					5.0E+07		6.0E+07	2.7E+07
				2.0E-05	I					1			1.4E+09		Phosphorus, White	7723-14-0					2.0E+01			2.0E+01
															Phthalates									
1.4E-02	I	2.4E-06	C	2.0E-02	I					1	0.1		1.4E+09		~Bis(2-ethylhexyl)phthalate	117-81-7	2.0E+02	3.1E+02	6.9E+06	1.2E+02	2.0E+04	3.1E+04		1.2E+04
				1.0E+00	I					1	0.1		1.4E+09		~Butylphthalyl Butylglycolate	85-70-1					1.0E+06	1.5E+06		6.2E+05
				1.0E-01	I					1	0.1		1.4E+09		~Dibutyl Phthalate	84-74-2					1.0E+05	1.5E+05		6.2E+04
				8.0E-01	I					1	0.1		1.4E+09		~Diethyl Phthalate	84-66-2					8.2E+05	1.2E+06		4.9E+05
				1.0E-01	I			V		1			1.4E+09	2.3E+04	~Dimethylterephthalate	120-61-6					1.0E+05			1.0E+05
				1.0E-02	P					1	0.1		1.4E+09		~Octyl Phthalate, di-N-	117-84-0					1.0E+04	1.5E+04		6.2E+03
				1.0E+00	H					1	0.1		1.4E+09		~Phthalic Acid, P-	100-21-0					1.0E+06	1.5E+06		6.2E+05
				2.0E+00	I	2.0E-02	C			1	0.1		1.4E+09		~Phthalic Anhydride	85-44-9					2.0E+06	3.1E+06	1.2E+08	1.2E+06
				7.0E-02	I					1	0.1		1.4E+09		Picloram	1918-02-1					7.2E+04	1.1E+05		4.3E+04
				1.0E-04	X					1	0.1		1.4E+09		Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3					1.0E+02	1.5E+02		6.2E+01
				1.0E-02	I					1	0.1		1.4E+09		Pirimiphos, Methyl	29232-93-7					1.0E+04	1.5E+04		6.2E+03

THQ=1.0 TR=1E-06

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Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
3.0E+01	C	8.6E-03	C	7.0E-06	H					1	0.1		1.4E+09		Polybrominated Biphenyls	59536-65-1	9.5E-02	1.4E-01	1.9E+03	5.7E-02	7.2E+00	1.1E+01		4.3E+00
															Polychlorinated Biphenyls (PCBs)									
7.0E-02	S	2.0E-05	S	7.0E-05	I					1	0.14		1.4E+09		~Aroclor 1016	12674-11-2	4.1E+01	4.4E+01	8.3E+05	2.1E+01	7.2E+01	7.7E+01		3.7E+01
2.0E+00	S	5.7E-04	S					V		1	0.14	7.6E+02	1.4E+09	9.2E+04	~Aroclor 1221	11104-28-2	1.4E+00	1.5E+00	2.0E+00	5.4E-01				
2.0E+00	S	5.7E-04	S					V		1	0.14	7.3E+01	1.4E+09	9.2E+04	~Aroclor 1232	11141-16-5	1.4E+00	1.5E+00	2.0E+00	5.4E-01				
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1242	53469-21-9	1.4E+00	1.5E+00	2.9E+04	7.4E-01				
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1248	12672-29-6	1.4E+00	1.5E+00	2.9E+04	7.4E-01				
2.0E+00	S	5.7E-04	S	2.0E-05	I					1	0.14		1.4E+09		~Aroclor 1254	11097-69-1	1.4E+00	1.5E+00	2.9E+04	7.4E-01	2.0E+01	2.2E+01		1.1E+01
2.0E+00	S	5.7E-04	S							1	0.14		1.4E+09		~Aroclor 1260	11096-82-5	1.4E+00	1.5E+00	2.9E+04	7.4E-01				
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+03	E	1.1E+00	E	2.3E-08	E	1.3E-06	E			1	0.14		1.4E+09		~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	7.3E-04	7.9E-04	1.5E+01	3.8E-04	2.4E-02	2.6E-02	7.9E+03	1.2E-02
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	7.3E-01	7.9E-01	1.5E+04	3.8E-01	2.4E+01	2.6E+01	7.9E+06	1.2E+01
1.3E+04	E	3.8E+00	E	7.0E-09	E	4.0E-07	E			1	0.14		1.4E+09		~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	2.2E-04	2.4E-04	4.4E+00	1.1E-04	7.2E-03	7.7E-03	2.4E+03	3.7E-03
2.0E+00	I	5.7E-04	I							1	0.14		1.4E+09		~Polychlorinated Biphenyls (high risk)	1336-36-3	1.4E+00	1.5E+00	2.9E+04	7.4E-01				
4.0E-01	I	1.0E-04	I							1	0.14				~Polychlorinated Biphenyls (low risk)	1336-36-3								
7.0E-02	I	2.0E-05	I							1	0.14				~Polychlorinated Biphenyls (lowest risk)	1336-36-3								
1.3E+01	E	3.8E-03	E	7.0E-06	E	4.0E-04	E			1	0.14		1.4E+09		~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	2.2E-01	2.4E-01	4.4E+03	1.1E-01	7.2E+00	7.7E+00	2.4E+06	3.7E+00
3.9E+01	E	1.1E-02	E	2.3E-06	E	1.3E-04	E			1	0.14		1.4E+09		~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	7.3E-02	7.9E-02	1.5E+03	3.8E-02	2.4E+00	2.6E+00	7.9E+05	1.2E+00
						6.0E-04	I			1	0.1		1.4E+09		Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9							3.6E+06	3.6E+06
															Polynuclear Aromatic Hydrocarbons (PAHs)									
				6.0E-02	I			V		1	0.13		1.4E+09	1.5E+05	~Acenaphthene	83-32-9					6.1E+04	7.1E+04		3.3E+04
				3.0E-01	I			V		1	0.13		1.4E+09	5.6E+05	~Anthracene	120-12-7					3.1E+05	3.6E+05		1.7E+05
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benz[a]anthracene	56-55-3	3.9E+00	4.6E+00	1.5E+05	2.1E+00				
1.2E+00	C	1.1E-04	C							1	0.13		1.4E+09		~Benzo(j)fluoranthene	205-82-3	2.4E+00	2.8E+00	1.5E+05	1.3E+00				
7.3E+00	I	1.1E-03	C						M	1	0.13		1.4E+09		~Benzo[a]pyrene	50-32-8	3.9E-01	4.6E-01	1.5E+04	2.1E-01				
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benzo[b]fluoranthene	205-99-2	3.9E+00	4.6E+00	1.5E+05	2.1E+00				
7.3E-02	E	1.1E-04	C						M	1	0.13		1.4E+09		~Benzo[k]fluoranthene	207-08-9	3.9E+01	4.6E+01	1.5E+05	2.1E+01				
				8.0E-02	I			V		1			1.4E+09	8.6E+04	~Chloronaphthalene,Beta-	91-58-7					8.2E+04			8.2E+04
7.3E-03	E	1.1E-05	C						M	1	0.13		1.4E+09		~Chrysene	218-01-9	3.9E+02	4.6E+02	1.5E+06	2.1E+02				
7.3E+00	E	1.2E-03	C						M	1	0.13		1.4E+09		~Dibenz[a,h]anthracene	53-70-3	3.9E-01	4.6E-01	1.4E+04	2.1E-01				
1.2E+01	C	1.1E-03	C							1	0.13		1.4E+09		~Dibenzo(a,e)pyrene	192-65-4	2.4E-01	2.8E-01	1.5E+04	1.3E-01				
2.5E+02	C	7.1E-02	C						M	1	0.13		1.4E+09		~Dimethylbenz(a)anthracene, 7,12-	57-97-6	1.1E-02	1.3E-02	2.3E+02	6.2E-03				
				4.0E-02	I					1	0.13		1.4E+09		~Fluoranthene	206-44-0					4.1E+04	4.8E+04		2.2E+04
				4.0E-02	I			V		1	0.13		1.4E+09	3.0E+05	~Fluorene	86-73-7					4.1E+04	4.8E+04		2.2E+04
7.3E-01	E	1.1E-04	C						M	1	0.13		1.4E+09		~Indeno[1,2,3-cd]pyrene	193-39-5	3.9E+00	4.6E+00	1.5E+05	2.1E+00				
2.9E-02	P			7.0E-02	A			V		1	0.13		1.4E+09	6.3E+04	~Methylnaphthalene, 1-	90-12-0	9.9E+01	1.2E+02		5.3E+01	7.2E+04	8.3E+04		3.9E+04
				4.0E-03	I			V		1	0.13		1.4E+09	6.2E+04	~Methylnaphthalene, 2-	91-57-6					4.1E+03	4.8E+03		2.2E+03
		3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	0.13		1.4E+09	5.0E+04	~Naphthalene	91-20-3			1.8E+01	1.8E+01	2.0E+04	2.4E+04	6.6E+02	6.2E+02
1.2E+00	C	1.1E-04	C							1	0.13		1.4E+09		~Nitropyrene, 4-	57835-92-4	2.4E+00	2.8E+00	1.5E+05	1.3E+00				
				3.0E-02	I			V		1	0.13		1.4E+09	2.6E+06	~Pyrene	129-00-0					3.1E+04	3.6E+04		1.7E+04
1.5E-01	I			9.0E-03	I					1	0.1		1.4E+09		Prochloraz	67747-09-5	1.9E+01	2.9E+01		1.1E+01	9.2E+03	1.4E+04		5.5E+03
				6.0E-03	H					1	0.1		1.4E+09		Profluralin	26399-36-0					6.1E+03	9.3E+03		3.7E+03
				1.5E-02	I					1	0.1		1.4E+09		Prometon	1610-18-0					1.5E+04	2.3E+04		9.2E+03
				4.0E-03	I					1	0.1		1.4E+09		Prometryn	7287-19-6					4.1E+03	6.2E+03		2.5E+03
				1.3E-02	I					1	0.1		1.4E+09		Propachlor	1918-16-7					1.3E+04	2.0E+04		8.0E+03
				5.0E-03	I					1	0.1		1.4E+09		Propanil	709-98-8					5.1E+03	7.7E+03		3.1E+03
				2.0E-02	I					1	0.1		1.4E+09		Propargite	2312-35-8					2.0E+04	3.1E+04		1.2E+04
				2.0E-03	I					1	0.1		1.4E+09		Propargyl Alcohol	107-19-7					2.0E+03	3.1E+03		1.2E+03
				2.0E-02	I					1	0.1		1.4E+09		Propazine	139-40-2					2.0E+04	3.1E+04		1.2E+04
				2.0E-02	I					1	0.1		1.4E+09		Propham	122-42-9					2.0E+04	3.1E+04		1.2E+04
				1.3E-02	I					1	0.1		1.4E+09		Propiconazole	60207-90-1					1.3E+04	2.0E+04		8.0E+03
						8.0E-03	I	V		1		3.3E+04	1.4E+09	9.6E+03	Propionaldehyde	123-38-6							3.4E+02	3.4E+02
				1.0E-01	X	1.0E+00	X	V		1	0.1	2.6E+02	1.4E+09	7.5E+03	Propyl benzene	103-65-1					1.0E+05	1.5E+05	3.3E+04	2.1E+04
						3.0E+00	C	V		1	0.1	3.5E+02	1.4E+09	7.6E+02	Propylene	115-07-1							1.0E+04	1.0E+04
				2.0E+01	P					1	0.1		1.4E+09		Propylene Glycol	57-55-6					2.0E+07	3.1E+07		1.2E+07
						2.7E-04	A			1	0.1		1.4E+09		Propylene Glycol Dinitrate	6423-43-4							1.6E+06	1.6E+06
				7.0E-01	H					1	0.1		1.4E+09		Propylene Glycol Monoethyl Ether	1569-02-4					7.2E+05	1.1E+06		4.3E+05
				7.0E-01	H	2.0E+00	I			1	0.1		1.4E+09		Propylene Glycol Monomethyl Ether	107-98-2					7.2E+05	1.1E+06	1.2E+10	4.3E+05
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1		7.8E+04	1.4E+09	1.1E+04	Propylene Oxide	75-56-9	1.2E+01		3.7E+01	9.0E+00			1.5E+03	1.5E+03

TR = 1E-06
HQ = 1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
				2.5E-01	I					1	0.1		1.4E+09		Pursuit	81335-77-5					2.6E+05	3.9E+05		1.5E+05
				2.5E-02	I					1	0.1		1.4E+09		Pydrin	51630-58-1					2.6E+04	3.9E+04		1.5E+04
				1.0E-03	I			V		1		5.3E+05	1.4E+09	6.0E+04	Pyridine	110-86-1					1.0E+03			1.0E+03
				5.0E-04	I					1	0.1		1.4E+09		Quinalphos	13593-03-8					5.1E+02	7.7E+02		3.1E+02
3.0E+00	I									1	0.1		1.4E+09		Quinoline	91-22-5	9.5E-01	1.4E+00		5.7E-01				
						3.0E-02	A			1			1.4E+09		Refractory Ceramic Fibers	NA							1.8E+08	1.8E+08
				3.0E-02	I					1	0.1		1.4E+09		Resmethrin	10453-86-8					3.1E+04	4.6E+04		1.8E+04
				5.0E-02	H					1	0.1		1.4E+09		Ronnel	299-84-3					5.1E+04	7.7E+04		3.1E+04
				4.0E-03	I					1	0.1		1.4E+09		Rotenone	83-79-4					4.1E+03	6.2E+03		2.5E+03
2.2E-01	C	6.3E-05	C						M	1	0.1		1.4E+09		Safrole	94-59-7	1.3E+01	2.0E+01	2.6E+05	7.8E+00				
				2.5E-02	I					1	0.1		1.4E+09		Savey	78587-05-0					2.6E+04	3.9E+04		1.5E+04
				5.0E-03	I					1			1.4E+09		Selenious Acid	7783-00-8					5.1E+03			5.1E+03
				5.0E-03	I	2.0E-02	C			1			1.4E+09		Selenium	7782-49-2					5.1E+03		1.2E+08	5.1E+03
				5.0E-03	C	2.0E-02	C			1			1.4E+09		Selenium Sulfide	7446-34-6					5.1E+03		1.2E+08	5.1E+03
				9.0E-02	I					1	0.1		1.4E+09		Sethoxydim	74051-80-2					9.2E+04	1.4E+05		5.5E+04
						3.0E-03	C			1			1.4E+09		Silica (crystalline, respirable)	7631-86-9							1.8E+07	1.8E+07
				5.0E-03	I					0.04			1.4E+09		Silver	7440-22-4					5.1E+03			5.1E+03
1.2E-01	H			5.0E-03	I					1	0.1		1.4E+09		Simazine	122-34-9	2.4E+01	3.6E+01		1.4E+01	5.1E+03	7.7E+03		3.1E+03
				1.3E-02	I					1	0.1		1.4E+09		Sodium Acifluorfen	62476-59-9					1.3E+04	2.0E+04		8.0E+03
				4.0E-03	I					1			1.4E+09		Sodium Azide	26628-22-8					4.1E+03			4.1E+03
2.7E-01	H			3.0E-02	I					1	0.1		1.4E+09		Sodium Diethyldithiocarbamate	148-18-5	1.1E+01	1.6E+01		6.4E+00	3.1E+04	4.6E+04		1.8E+04
				5.0E-02	A	1.3E-02	C			1			1.4E+09		Sodium Fluoride	7681-49-4					5.1E+04		7.7E+07	5.1E+04
				2.0E-05	I					1	0.1		1.4E+09		Sodium Fluoroacetate	62-74-8					2.0E+01	3.1E+01		1.2E+01
				1.0E-03	H					1			1.4E+09		Sodium Metavanadate	13718-26-8					1.0E+03			1.0E+03
2.4E-02	H			3.0E-02	I					1	0.1		1.4E+09		*Stirofos (Tetrachlorovinphos)*	961-11-5	1.2E+02	1.8E+02		7.2E+01	3.1E+04	4.6E+04		1.8E+04
				6.0E-01	I					1			1.4E+09		Strontium, Stable	7440-24-6					6.1E+05			6.1E+05
				3.0E-04	I					1	0.1		1.4E+09		Strychnine	57-24-9					3.1E+02	4.6E+02		1.8E+02
				2.0E-01	I	1.0E+00	I	V		1		8.7E+02	1.4E+09	1.0E+04	Styrene	100-42-5					2.0E+05		4.4E+04	3.6E+04
				1.0E-03	P	2.0E-03	P			1	0.1		1.4E+09		Sulfolane	126-33-0					1.0E+03	1.5E+03	1.2E+07	6.2E+02
				8.0E-04	P					1	0.1		1.4E+09		Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9					8.2E+02	1.2E+03		4.9E+02
						1.0E-03	C			1			1.4E+09		Sulfuric Acid	7664-93-9							6.0E+06	6.0E+06
				2.5E-02	I					1	0.1		1.4E+09		Systhane	88671-89-0					2.6E+04	3.9E+04		1.5E+04
				3.0E-02	H					1	0.1		1.4E+09		TCMTB	21564-17-0					3.1E+04	4.6E+04		1.8E+04
				7.0E-02	I					1	0.1		1.4E+09		Tebuthiuron	34014-18-1					7.2E+04	1.1E+05		4.3E+04
				2.0E-02	H					1	0.1		1.4E+09		Temephos	3383-96-8					2.0E+04	3.1E+04		1.2E+04
				1.3E-02	I					1	0.1		1.4E+09		Terbacil	5902-51-2					1.3E+04	2.0E+04		8.0E+03
				2.5E-05	H					1	0.1		1.4E+09		Terbufos	13071-79-9					2.6E+01	3.9E+01		1.5E+01
				1.0E-03	I					1	0.1		1.4E+09		Terburyn	886-50-0					1.0E+03	1.5E+03		6.2E+02
				1.0E-04	I					1	0.1		1.4E+09		Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1					1.0E+02	1.5E+02		6.2E+01
				3.0E-04	I					1	0.1		1.4E+09		Tetrachlorobenzene, 1,2,4,5-	95-94-3					3.1E+02	4.6E+02		1.8E+02
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1		6.8E+02	1.4E+09	6.1E+03	Tetrachloroethane, 1,1,1,2-	630-20-6	1.1E+02		1.0E+01	9.3E+00	3.1E+04			3.1E+04
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		1		1.9E+03	1.4E+09	1.6E+04	Tetrachloroethane, 1,1,2,2-	79-34-5	1.4E+01		3.4E+00	2.8E+00	2.0E+04			2.0E+04
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		1		1.7E+02	1.4E+09	2.5E+03	Tetrachloroethylene	127-18-4	1.4E+03		1.2E+02	1.1E+02	6.1E+03		4.4E+02	4.1E+02
				3.0E-02	I					1	0.1		1.4E+09		Tetrachlorophenol, 2,3,4,6-	58-90-2					3.1E+04	4.6E+04		1.8E+04
2.0E+01	H									1	0.1		1.4E+09		Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	1.4E-01	2.2E-01		8.6E-02				
				5.0E-04	I					1	0.1		1.4E+09		Tetraethyl Dithiopyrophosphate	3689-24-5					5.1E+02	7.7E+02		3.1E+02
						8.0E+01	I	V		1		1.1E+03	1.4E+09	1.3E+03	Tetrafluoroethane, 1,1,1,2-	811-97-2							4.6E+05	4.6E+05
				2.0E-03	P					1	0.1		1.4E+09		Tetryl (Trinitrophenylmethylnitramine)	479-45-8					2.0E+03	3.1E+03		1.2E+03
				7.0E-06	X					1			1.4E+09		Thallium (I) Nitrate	10102-45-1					7.2E+00			7.2E+00
				1.0E-05	X					1			1.4E+09		Thallium (Soluble Salts)	7440-28-0					1.0E+01			1.0E+01
				6.0E-06	X					1			1.4E+09		Thallium Acetate	563-68-8					6.1E+00			6.1E+00
				2.0E-05	X					1			1.4E+09		Thallium Carbonate	6533-73-9					2.0E+01			2.0E+01
				6.0E-06	X					1			1.4E+09		Thallium Chloride	7791-12-0					6.1E+00			6.1E+00
				2.0E-05	X					1			1.4E+09		Thallium Sulfate	7446-18-6					2.0E+01			2.0E+01
				1.0E-02	I					1	0.1		1.4E+09		Thiobencarb	28249-77-6					1.0E+04	1.5E+04		6.2E+03
				7.0E-02	X					1	0.008		1.4E+09		Thiodiglycol	111-48-8					7.2E+04	1.4E+06		6.8E+04
				3.0E-04	H					1	0.1		1.4E+09		Thiofanox	39196-18-4					3.1E+02	4.6E+02		1.8E+02
				8.0E-02	I					1	0.1		1.4E+09		Thiophanate, Methyl	23564-05-8					8.2E+04	1.2E+05		4.9E+04
				5.0E-03	I					1	0.1		1.4E+09		Thiram	137-26-8					5.1E+03	7.7E+03		3.1E+03
				6.0E-01	H					1			1.4E+09		Tin	7440-31-5					6.1E+05			6.1E+05
						1.0E-04	A			1			1.4E+09		Titanium Tetrachloride	7550-45-0							6.0E+05	6.0E+05
				8.0E-02	I	5.0E+00	I	V		1		8.2E+02	1.4E+09	4.6E+03	Toluene	108-88-3					8.2E+04		1.0E+05	4.5E+04
1.8E-01	X			2.0E-04	X					1	0.1		1.4E+09		Toluene-2,5-diamine	95-70-5	1.6E+01	2.4E+01		9.6E+00	2.0E+02	3.1E+02		1.2E+02
3.0E-02	P			4.0E-03	X					1	0.1		1.4E+09		Toluidine, p-	106-49-0	9.5E+01	1.4E+02		5.7E+01	4.1E+03	6.2E+03		2.5E+03
				3.0E+00	P					1	0.1		1.4E+09		Total Petroleum Hydrocarbons (Aliphatic High)	NA					3.1E+06	4.6E+06		1.8E+06

R-1E-06
R-1E-06

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information															Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1			
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	ABS	C_{sat} (mg/kg)	PEF (m^3/kg)	VF (m^3/kg)	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL HQ=1 (mg/kg)	Dermal SL HQ=1 (mg/kg)	Inhalation SL HQ=1 (mg/kg)	Noncarcinogenic SL HI=1 (mg/kg)
		1.9E-07	P			6.0E-01	P	V		1		1.4E+02	1.4E+09	8.9E+02	Total Petroleum Hydrocarbons (Aliphatic Low)	NA			5.8E+01	5.8E+01			2.3E+03	2.3E+03
		4.5E-06	P	1.0E-02	P	1.0E-01	P	V		1		6.9E+00	1.4E+09	1.1E+03	Total Petroleum Hydrocarbons (Aliphatic Medium)	NA			3.1E+00	3.1E+00	1.0E+04		4.9E+02	4.7E+02
7.3E+00	P			4.0E-02	P					1	0.1		1.4E+09		Total Petroleum Hydrocarbons (Aromatic High)	NA	3.9E-01	5.9E-01		2.4E-01	4.1E+04	6.2E+04		2.5E+04
5.5E-02	P	7.8E-06	P	4.0E-03	P	3.0E-02	P	V		1		1.8E+03	1.4E+09	3.8E+03	Total Petroleum Hydrocarbons (Aromatic Low)	NA	5.2E+01		6.0E+00	5.4E+00	4.1E+03		5.0E+02	4.5E+02
				4.0E-03	P	3.0E-03	P	V		1			1.4E+09	5.6E+04	Total Petroleum Hydrocarbons (Aromatic Medium)	NA					4.1E+03		7.4E+02	6.3E+02
1.1E+00	I	3.2E-04	I							1	0.1		1.4E+09		Toxaphene	8001-35-2	2.6E+00	3.9E+00	5.2E+04	1.6E+00				
				7.5E-03	I					1	0.1		1.4E+09		Tralomethrin	66841-25-6					7.7E+03	1.2E+04		4.6E+03
				3.0E-04	A					1	0.1		1.4E+09		Tri-n-butyltin	688-73-3					3.1E+02	4.6E+02		1.8E+02
				8.0E+01	X					1	0.1		1.4E+09		Triacetin	102-76-1					8.2E+07	1.2E+08		4.9E+07
				1.3E-02	I					1	0.1		1.4E+09		Triallate	2303-17-5					1.3E+04	2.0E+04		8.0E+03
				1.0E-02	I					1	0.1		1.4E+09		Triasulfuron	82097-50-5					1.0E+04	1.5E+04		6.2E+03
				5.0E-03	I					1	0.1		1.4E+09		Tribromobenzene, 1,2,4-	615-54-3					5.1E+03	7.7E+03		3.1E+03
9.0E-03	P			1.0E-02	P					1	0.1		1.4E+09		Tributyl Phosphate	126-73-8	3.2E+02	4.8E+02		1.9E+02	1.0E+04	1.5E+04		6.2E+03
				3.0E-04	P					1	0.1		1.4E+09		Tributyltin Compounds	NA					3.1E+02	4.6E+02		1.8E+02
				3.0E-04	I					1	0.1		1.4E+09		Tributyltin Oxide	56-35-9					3.1E+02	4.6E+02		1.8E+02
				3.0E+01	I	3.0E+01	H	V		1		9.1E+02	1.4E+09	1.4E+03	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1					3.1E+07		1.8E+05	1.8E+05
7.0E-02	I			2.0E-02	I					1	0.1		1.4E+09		Trichloroacetic Acid	76-03-9	4.1E+01	6.2E+01		2.5E+01	2.0E+04	3.1E+04		1.2E+04
2.9E-02	H									1	0.1		1.4E+09		Trichloroaniline HCl, 2,4,6-	33663-50-2	9.9E+01	1.5E+02		5.9E+01				
7.0E-03	X			3.0E-05	X					1	0.1		1.4E+09		Trichloroaniline, 2,4,6-	634-93-5	4.1E+02	6.2E+02		2.5E+02	3.1E+01	4.6E+01		1.8E+01
				8.0E-04	X			V		1	0.1		1.4E+09	3.5E+04	Trichlorobenzene, 1,2,3-	87-61-6					8.2E+02	1.2E+03		4.9E+02
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		1		4.0E+02	1.4E+09	3.2E+04	Trichlorobenzene, 1,2,4-	120-82-1	9.9E+01			9.9E+01	1.0E+04		2.8E+02	2.7E+02
				2.0E+00	I	5.0E+00	I	V		1		6.4E+02	1.4E+09	1.8E+03	Trichloroethane, 1,1,1-	71-55-6					2.0E+06		3.9E+04	3.8E+04
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		1		2.2E+03	1.4E+09	7.8E+03	Trichloroethane, 1,1,2-	79-00-5	5.0E+01		6.0E+00	5.3E+00	4.1E+03		6.8E+00	6.8E+00
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	1		6.9E+02	1.4E+09	2.4E+03	Trichloroethylene	79-01-6	6.2E+01		7.1E+00	6.4E+00	5.1E+02		2.1E+01	2.0E+01
				3.0E-01	I	7.0E-01	H	V		1		1.2E+03	1.4E+09	1.1E+03	Trichlorofluoromethane	75-69-4					3.1E+05		3.4E+03	3.4E+03
				1.0E-01	I					1	0.1		1.4E+09		Trichlorophenol, 2,4,5-	95-95-4					1.0E+05	1.5E+05		6.2E+04
1.1E-02	I	3.1E-06	I	1.0E-03	P					1	0.1		1.4E+09		Trichlorophenol, 2,4,6-	88-06-2	2.6E+02	3.9E+02	5.4E+06	1.6E+02	1.0E+03	1.5E+03		6.2E+02
				1.0E-02	I					1	0.1		1.4E+09		Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5					1.0E+04	1.5E+04		6.2E+03
				8.0E-03	I					1	0.1		1.4E+09		Trichlorophenoxypropionic acid, -2,4,5	93-72-1					8.2E+03	1.2E+04		4.9E+03
				5.0E-03	I			V		1		1.3E+03	1.4E+09	1.6E+04	Trichloropropane, 1,1,2-	598-77-6					5.1E+03			5.1E+03
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	1		1.4E+03	1.4E+09	1.7E+04	Trichloropropane, 1,2,3-	96-18-4	9.5E-02			9.5E-02	4.1E+03		2.2E+01	2.2E+01
				3.0E-03	X	3.0E-04	P	V		1		4.5E+02	1.4E+09	2.5E+03	Trichloropropene, 1,2,3-	96-19-5					3.1E+03		3.3E+00	3.3E+00
				2.0E-02	A					1	0.1		1.4E+09		Tricresyl Phosphate (TCP)	1330-78-5						3.1E+04		3.1E+04
				3.0E-03	I					1	0.1		1.4E+09		Tridiphane	58138-08-2					3.1E+03	4.6E+03		1.8E+03
						7.0E-03	I	V		1		2.8E+04	1.4E+09	1.7E+04	Triethylamine	121-44-8							5.2E+02	5.2E+02
7.7E-03	I			7.5E-03	I					1	0.1		1.4E+09		Trifluralin	1582-09-8	3.7E+02	5.6E+02		2.2E+02	7.7E+03	1.2E+04		4.6E+03
2.0E-02	P			1.0E-02	P					1	0.1		1.4E+09		Trimethyl Phosphate	512-56-1	1.4E+02	2.2E+02		8.6E+01	1.0E+04	1.5E+04		6.2E+03
						5.0E-03	P	V		1		2.9E+02	1.4E+09	1.0E+04	Trimethylbenzene, 1,2,3-	526-73-8							2.2E+02	2.2E+02
						7.0E-03	P	V		1		2.2E+02	1.4E+09	8.5E+03	Trimethylbenzene, 1,2,4-	95-63-6							2.6E+02	2.6E+02
				1.0E-02	X			V		1		1.8E+02	1.4E+09	7.1E+03	Trimethylbenzene, 1,3,5-	108-67-8					1.0E+04			1.0E+04
				3.0E-02	I					1	0.019		1.4E+09		Trinitrobenzene, 1,3,5-	99-35-4					3.1E+04	2.4E+05		2.7E+04
3.0E-02	I			5.0E-04	I					1	0.032		1.4E+09		Trinitrotoluene, 2,4,6-	118-96-7	9.5E+01	4.5E+02		7.9E+01	5.1E+02	2.4E+03		4.2E+02
				2.0E-02	P					1	0.1		1.4E+09		Triphenylphosphine Oxide	791-28-6					2.0E+04	3.1E+04		1.2E+04
				2.0E-02	A					1	0.1		1.4E+09		Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8					2.0E+04	3.1E+04		1.2E+04
				1.0E-02	X					1	0.1		1.4E+09		Tris(1-chloro-2-propyl)phosphate	13674-84-5					1.0E+04	1.5E+04		6.2E+03
2.0E-02	P			7.0E-03	P					1	0.1		1.4E+09		Tris(2-chloroethyl)phosphate	115-96-8	1.4E+02	2.2E+02		8.6E+01	7.2E+03	1.1E+04		4.3E+03
3.2E-03	P			1.0E-01	P					1	0.1		1.4E+09		Tris(2-ethylhexyl)phosphate	78-42-2	8.9E+02	1.4E+03		5.4E+02	1.0E+05	1.5E+05		6.2E+04
				3.0E-03	I	4.0E-05	A			1			1.4E+09		Uranium (Soluble Salts)	NA					3.1E+03		2.4E+05	3.0E+03
1.0E+00	C	2.9E-04	C						M	1	0.1		1.4E+09		Urethane	51-79-6	2.9E+00	4.3E+00	5.7E+04	1.7E+00				
		8.3E-03	P	9.0E-03	I	7.0E-06	P			0.026			1.4E+09		Vanadium Pentoxide	1314-62-1			2.0E+03	2.0E+03	9.2E+03		4.2E+04	7.5E+03
				5.0E-03	S	1.0E-04	A			0.026			1.4E+09		Vanadium and Compounds	7440-62-2					5.2E+03		6.0E+05	5.1E+03
				1.0E-03	I					1	0.1		1.4E+09		Vernolate	1929-77-7					1.0E+03	1.5E+03		6.2E+02
				2.5E-02	I					1	0.1		1.4E+09		Vinclozolin	50471-44-8					2.6E+04	3.9E+04		1.5E+04
				1.0E+00	H	2.0E-01	I	V		1		2.8E+03	1.4E+09	4.7E+03	Vinyl Acetate	108-05-4					1.0E+06		4.1E+03	4.1E+03
		3.2E-05	H			3.0E-03	I	V		1		3.4E+03	1.4E+09	1.5E+03	Vinyl Bromide	593-60-2			5.6E-01	5.6E-01			1.9E+01	1.9E+01
7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	1		3.9E+03	1.4E+09	1.0E+03	Vinyl Chloride	75-01-4	4.0E+00		2.9E+00	1.7E+00	3.1E+03		4.5E+02	3.9E+02
				3.0E-04	I					1	0.1		1.4E+09		Warfarin	81-81-2					3.1E+02	4.6E+02		1.8E+02
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	1.4E+09	6.0E+03	Xylene, P-	106-42-3					2.0E+05		2.6E+03	2.6E+03
				2.0E-01	S	1.0E-01	S	V		1		3.9E+02	1.4E+09	5.9E+03	Xylene, m-	108-38-3					2.0E+05		2.6E+03	2.5E+03
				2.0E-01	S	1.0E-01	S	V		1		4.3E+02	1.4E+09	7.0E+03	Xylene, o-	95-47-6					2.0E+05		3.0E+03	3.0E+03
				2.0E-01	I	1.0E-01	I	V		1		2.6E+02	1.4E+09	6.3E+03	Xylenes	1330-20-7					2.0E+05		2.7E+03	2.7E+03
				3.0E-04	I					1			1.4E+09		Zinc Phosphide	1314-84-7					3.1E+02			3.1E+02
				3.0E-01	I					1			1.4E+09		Zinc and Compounds	7440-66-6					3.1E+05			3.1E+05
				5.0E-02	I					1	0.1		1.4E+09		Zineb	12122-67-7					5.1E+04	7.7E+04		3.1E+04
				8.0E-05	X					1			1.4E+09		Zirconium	7440-67-7					8.2E+01			8.2E+01

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
5.1E-06	C					ALAR	1596-84-5	4.8E-01	
						Acephate	30560-19-1		
2.2E-06	I	9.0E-03	I	V		Acetaldehyde	75-07-0	1.1E+00	9.4E+00
						Acetochlor	34256-82-1		
		3.1E+01	A	V		Acetone	67-64-1		3.2E+04
		2.0E-03	X	V		Acetone Cyanohydrin	75-86-5		2.1E+00
		6.0E-02	I	V		Acetonitrile	75-05-8		6.3E+01
				V		Acetophenone	98-86-2		
1.3E-03	C					Acetylaminofluorene, 2-	53-96-3	1.9E-03	
		2.0E-05	I	V		Acrolein	107-02-8		2.1E-02
1.0E-04	I	6.0E-03	I		M	Acrylamide	79-06-1	9.6E-03	6.3E+00
		1.0E-03	I			Acrylic Acid	79-10-7		1.0E+00
6.8E-05	I	2.0E-03	I	V		Acrylonitrile	107-13-1	3.6E-02	2.1E+00
		6.0E-03	P			Adiponitrile	111-69-3		6.3E+00
						Alachlor	15972-60-8		
						Aldicarb	116-06-3		
						Aldicarb Sulfone	1646-88-4		
						Aldicarb sulfoxide	1646-87-3		
4.9E-03	I					Aldrin	309-00-2	5.0E-04	
						Ally	74223-64-6		
		1.0E-04	X			Allyl Alcohol	107-18-6		1.0E-01
6.0E-06	C	1.0E-03	I	V		Allyl Chloride	107-05-1	4.1E-01	1.0E+00
		5.0E-03	P			Aluminum	7429-90-5		5.2E+00
						Aluminum Phosphide	20859-73-8		
						Amdro	67485-29-4		
						Ametryn	834-12-8		
6.0E-03	C					Aminobiphenyl, 4-	92-67-1	4.1E-04	
						Aminophenol, m-	591-27-5		
						Aminophenol, p-	123-30-8		
						Amitraz	33089-61-1		
		1.0E-01	I			Ammonia	7664-41-7		1.0E+02
						Ammonium Sulfamate	7773-06-0		
		3.0E-03	X	V		Amyl Alcohol, tert-	75-85-4		3.1E+00
1.6E-06	C	1.0E-03	I			Aniline	62-53-3	1.5E+00	1.0E+00
						Anthraquinone, 9,10-	84-65-1		
						Antimony (metallic)	7440-36-0		
						Antimony Pentoxide	1314-60-9		
						Antimony Potassium Tartrate	11071-15-1		
						Antimony Tetroxide	1332-81-6		
		2.0E-04	I			Antimony Trioxide	1309-64-4		2.1E-01
						Apollo	74115-24-5		
7.1E-06	I					Aramite	140-57-8	3.4E-01	
4.3E-03	I	1.5E-05	C			Arsenic, Inorganic	7440-38-2	5.7E-04	1.6E-02
		5.0E-05	I			Arsine	7784-42-1		5.2E-02
						Assure	76578-14-8		
						Asulam	3337-71-1		
						Atrazine	1912-24-9		
2.5E-04	C					Auramine	492-80-8	9.7E-03	
						Avermectin B1	65195-55-3		
3.1E-05	I			V		Azobenzene	103-33-3	7.8E-02	
		5.0E-04	H			Barium	7440-39-3		5.2E-01
						Baygon	114-26-1		
						Bayleton	43121-43-3		
						Baythroid	68359-37-5		
						Benefin	1861-40-1		
						Benomyl	17804-35-2		
						Bentazon	25057-89-0		
				V		Benzaldehyde	100-52-7		
7.8E-06	I	3.0E-02	I	V		Benzene	71-43-2	3.1E-01	3.1E+01
						Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1		
				V		Benzenethiol	108-98-5		
6.7E-02	I				M	Benzidine	92-87-5	1.4E-05	
						Benzoic Acid	65-85-0		
				V		Benzotrichloride	98-07-7		
						Benzyl Alcohol	100-51-6		
4.9E-05	C	1.0E-03	P	V		Benzyl Chloride	100-44-7	5.0E-02	1.0E+00
2.4E-03	I	2.0E-05	I			Beryllium and compounds	7440-41-7	1.0E-03	2.1E-02
						Bidrin	141-66-2		
						Bifenox	42576-02-3		
						Biphenthrin	82657-04-3		
		4.0E-04	X	V		Biphenyl, 1,1'-	92-52-4		4.2E-01
1.0E-05	H			V		Bis(2-chloro-1-methylethyl) ether	108-60-1	2.4E-01	
						Bis(2-chloroethoxy)methane	111-91-1		
3.3E-04	I			V		Bis(2-chloroethyl)ether	111-44-4	7.4E-03	
6.2E-02	I			V		Bis(chloromethyl)ether	542-88-1	3.9E-05	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	volc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Bisphenol A	80-05-7		
		2.0E-02	H			Boron And Borates Only	7440-42-8		2.1E+01
		2.0E-02	P			Boron Trichloride	10294-34-5		2.1E+01
		1.3E-02	C			Boron Trifluoride	7637-07-2		1.4E+01
						Bromate	15541-45-4		
6.0E-04	X			V		Bromo-2-chloroethane, 1-	107-04-0	4.1E-03	
		6.0E-02	I	V		Bromobenzene	108-86-1		6.3E+01
		4.0E-02	X	V		Bromochloromethane	74-97-5		4.2E+01
3.7E-05	C			V		Bromodichloromethane	75-27-4	6.6E-02	
1.1E-06	I					Bromoform	75-25-2	2.2E+00	
		5.0E-03	I	V		Bromomethane	74-83-9		5.2E+00
						Bromophos	2104-96-3		
						Bromoxynil	1689-84-5		
						Bromoxynil Octanoate	1689-99-2		
3.0E-05	I	2.0E-03	I	V		Butadiene, 1,3-	106-99-0	8.1E-02	2.1E+00
						Butanol, N-	71-36-3		
						Butyl Benzyl Phthlate	85-68-7		
		3.0E+01	P			Butyl alcohol, sec-	78-92-2		3.1E+04
						Butylate	2008-41-5		
5.7E-08	C					Butylated hydroxyanisole	25013-16-5	4.3E+01	
						Butylated hydroxytoluene	128-37-0		
				V		Butylbenzene, n-	104-51-8		
				V		Butylbenzene, sec-	135-98-8		
				V		Butylbenzene, tert-	98-06-6		
						Cacodylic Acid	75-60-5		
1.8E-03	I	1.0E-05	A			Cadmium (Diet)	7440-43-9		
1.8E-03	I	1.0E-05	A			Cadmium (Water)	7440-43-9	1.4E-03	1.0E-02
		2.2E-03	C			Caprolactam	105-60-2		2.3E+00
4.3E-05	C					Captafol	2425-06-1	5.7E-02	
6.6E-07	C					Captan	133-06-2	3.7E+00	
						Carbaryl	63-25-2		
						Carbofuran	1563-66-2		
		7.0E-01	I	V		Carbon Disulfide	75-15-0		7.3E+02
6.0E-06	I	1.0E-01	I	V		Carbon Tetrachloride	56-23-5	4.1E-01	1.0E+02
						Carbosulfan	55285-14-8		
						Carboxin	5234-68-4		
		9.0E-04	I			Ceric oxide	1306-38-3		9.4E-01
						Chloral Hydrate	302-17-0		
						Chloramben	133-90-4		
						Chloranil	118-75-2		
1.0E-04	I	7.0E-04	I			Chlordane	12789-03-6	2.4E-02	7.3E-01
4.6E-03	C					Chlordecone (Kepone)	143-50-0	5.3E-04	
						Chlorfenvinphos	470-90-6		
						Chlorimuron, Ethyl-	90982-32-4		
		1.5E-04	A			Chlorine	7782-50-5		1.5E-01
		2.0E-04	I			Chlorine Dioxide	10049-04-4		2.1E-01
						Chlorite (Sodium Salt)	7758-19-2		
		5.0E+01	I	V		Chloro-1,1-difluoroethane, 1-	75-68-3		5.2E+04
3.0E-04	I	2.0E-02	I	V		Chloro-1,3-butadiene, 2-	126-99-8	8.1E-03	2.1E+01
						Chloro-2-methylaniline HCl, 4-	3165-93-3		
7.7E-05	C					Chloro-2-methylaniline, 4-	95-69-2	3.2E-02	
				V		Chloroacetaldehyde, 2-	107-20-0		
						Chloroacetic Acid	79-11-8		
		3.0E-05	I			Chloroacetophenone, 2-	532-27-4		3.1E-02
						Chloroaniline, p-	106-47-8		
		5.0E-02	P	V		Chlorobenzene	108-90-7		5.2E+01
3.1E-05	C					Chlorobenzilate	510-15-6	7.8E-02	
						Chlorobenzoic Acid, p-	74-11-3		
		3.0E-01	P	V		Chlorobenzotrifluoride, 4-	98-56-6		3.1E+02
				V		Chlorobutane, 1-	109-69-3		
		5.0E+01	I	V		Chlorodifluoromethane	75-45-6		5.2E+04
						Chloroethanol, 2-	107-07-3		
2.3E-05	I	9.8E-02	A	V		Chloroform	67-66-3	1.1E-01	1.0E+02
		9.0E-02	I	V		Chloromethane	74-87-3		9.4E+01
6.9E-04	C			V		Chloromethyl Methyl Ether	107-30-2	3.5E-03	
		1.0E-05	X			Chloronitrobenzene, o-	88-73-3		1.0E-02
		6.0E-04	P			Chloronitrobenzene, p-	100-00-5		6.3E-01
				V		Chlorophenol, 2-	95-57-8		
		4.0E-04	C	V		Chloropicrin	76-06-2		4.2E-01
8.9E-07	C					Chlorothalonil	1897-45-6	2.7E+00	
				V		Chlorotoluene, o-	95-49-8		
				V		Chlorotoluene, p-	106-43-4		
6.9E-02	C					Chlorozotocin	54749-90-5	3.5E-05	
						Chlorpropham	101-21-3		
						Chlorpyrifos	2921-88-2		

TR=1E-06
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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Chlorpyrifos Methyl	5598-13-0		
						Chlorsulfuron	64902-72-3		
						Chlorthiophos	60238-56-4		
						Chromium(III), Insoluble Salts	16065-83-1		
8.4E-02	S	1.0E-04	I		M	Chromium(VI)	18540-29-9	1.1E-05	1.0E-01
						Chromium, Total	7440-47-3		
9.0E-03	P	6.0E-06	P			Cobalt	7440-48-4	2.7E-04	6.3E-03
6.2E-04	I				M	Coke Oven Emissions	8007-45-2	1.5E-03	
						Copper	7440-50-8		
		6.0E-01	C			Cresol, m-	108-39-4		6.3E+02
		6.0E-01	C			Cresol, o-	95-48-7		6.3E+02
		6.0E-01	C			Cresol, p-	106-44-5		6.3E+02
						Cresol, p-chloro-m-	59-50-7		
		6.0E-01	C			Cresols	1319-77-3		6.3E+02
				V		Crotonaldehyde, trans-	123-73-9		
		4.0E-01	I	V		Cumene	98-82-8		4.2E+02
6.3E-05	C					Cupferron	135-20-6	3.9E-02	
						Cyanazine	21725-46-2		
						Cyanides			
						~Calcium Cyanide	592-01-8		
						~Copper Cyanide	544-92-3		
		8.0E-04	S	V		~Cyanide (CN-)	57-12-5		8.3E-01
				V		~Cyanogen	460-19-5		
				V		~Cyanogen Bromide	506-68-3		
				V		~Cyanogen Chloride	506-77-4		
		8.0E-04	I	V		~Hydrogen Cyanide	74-90-8		8.3E-01
						~Potassium Cyanide	151-50-8		
						~Potassium Silver Cyanide	506-61-6		
						~Silver Cyanide	506-64-9		
						~Sodium Cyanide	143-33-9		
						~Thiocyanates	NA		
						~Thiocyanic Acid	463-56-9		
						~Zinc Cyanide	557-21-1		
		6.0E+00	I	V		Cyclohexane	110-82-7		6.3E+03
						Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3		
		7.0E-01	P			Cyclohexanone	108-94-1		7.3E+02
		1.0E+00	X	V		Cyclohexene	110-83-8		1.0E+03
						Cyclohexylamine	108-91-8		
						Cyhalothrin/karate	68085-85-8		
						Cypermethrin	52315-07-8		
						Cyromazine	66215-27-8		
6.9E-05	C					DDD	72-54-8	3.5E-02	
9.7E-05	C					DDE, p,p'-	72-55-9	2.5E-02	
9.7E-05	I					DDT	50-29-3	2.5E-02	
						Dacthal	1861-32-1		
						Dalapon	75-99-0		
						Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5		
						Demeton	8065-48-3		
						Di(2-ethylhexyl)adipate	103-23-1		
						Diallate	2303-16-4		
						Diazinon	333-41-5		
				V		Dibenzothiophene	132-65-0		
6.0E-03	P	2.0E-04	I	V	M	Dibromo-3-chloropropane, 1,2-	96-12-8	1.6E-04	2.1E-01
						Dibromobenzene, 1,4-	106-37-6		
2.7E-05	C			V		Dibromochloromethane	124-48-1	9.0E-02	
6.0E-04	I	9.0E-03	I	V		Dibromoethane, 1,2-	106-93-4	4.1E-03	9.4E+00
		4.0E-03	X	V		Dibromomethane (Methylene Bromide)	74-95-3		4.2E+00
						Dibutyltin Compounds	NA		
						Dicamba	1918-00-9		
4.2E-03	P			V		Dichloro-2-butene, 1,4-	764-41-0	5.8E-04	
4.2E-03	P			V		Dichloro-2-butene, cis-1,4-	1476-11-5	5.8E-04	
4.2E-03	P			V		Dichloro-2-butene, trans-1,4-	110-57-6	5.8E-04	
						Dichloroacetic Acid	79-43-6		
		2.0E-01	H	V		Dichlorobenzene, 1,2-	95-50-1		2.1E+02
1.1E-05	C	8.0E-01	I	V		Dichlorobenzene, 1,4-	106-46-7	2.2E-01	8.3E+02
3.4E-04	C					Dichlorobenzidine, 3,3'-	91-94-1	7.2E-03	
						Dichlorobenzophenone, 4,4'-	90-98-2		
		1.0E-01	X	V		Dichlorodifluoromethane	75-71-8		1.0E+02
1.6E-06	C			V		Dichloroethane, 1,1-	75-34-3	1.5E+00	
2.6E-05	I	7.0E-03	P	V		Dichloroethane, 1,2-	107-06-2	9.4E-02	7.3E+00
		2.0E-01	I	V		Dichloroethylene, 1,1-	75-35-4		2.1E+02
				V		Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0		
				V		Dichloroethylene, 1,2-cis-	156-59-2		
		6.0E-02	P	V		Dichloroethylene, 1,2-trans-	156-60-5		6.3E+01
						Dichlorophenol, 2,4-	120-83-2		

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Dichlorophenoxy Acetic Acid, 2,4-	94-75-7		
						Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6		
1.0E-05	C	4.0E-03	I	V		Dichloropropane, 1,2-	78-87-5	2.4E-01	4.2E+00
				V		Dichloropropane, 1,3-	142-28-9		
						Dichloropropanol, 2,3-	616-23-9		
4.0E-06	I	2.0E-02	I	V		Dichloropropene, 1,3-	542-75-6	6.1E-01	2.1E+01
8.3E-05	C	5.0E-04	I			Dichlorvos	62-73-7	2.9E-02	5.2E-01
		7.0E-03	P	V		Dicyclopentadiene	77-73-6		7.3E+00
4.6E-03	I					Dieldrin	60-57-1	5.3E-04	
3.0E-04	C	5.0E-03	I			Diesel Engine Exhaust	NA	8.1E-03	5.2E+00
		2.0E-04	P			Diethanolamine	111-42-2		2.1E-01
		1.0E-04	P			Diethylene Glycol Monobutyl Ether	112-34-5		1.0E-01
		3.0E-04	P			Diethylene Glycol Monoethyl Ether	111-90-0		3.1E-01
						Diethylformamide	617-84-5		
1.0E-01	C					Diethylstilbestrol	56-53-1	2.4E-05	
						Difenzoquat	43222-48-6		
						Diflubenzuron	35367-38-5		
		4.0E+01	I	V		Difluoroethane, 1,1-	75-37-6		4.2E+04
1.3E-05	C			V		Dihydrosafrole	94-58-6	1.9E-01	
		7.0E-01	P	V		Diisopropyl Ether	108-20-3		7.3E+02
				V		Diisopropyl Methylphosphonate	1445-75-6		
						Dimethipin	55290-64-7		
						Dimethoate	60-51-5		
						Dimethoxybenzidine, 3,3'-	119-90-4		
						Dimethyl methylphosphonate	756-79-6		
1.3E-03	C					Dimethylamino azobenzene [p-]	60-11-7	1.9E-03	
						Dimethylaniline HCl, 2,4-	21436-96-4		
						Dimethylaniline, 2,4-	95-68-1		
				V		Dimethylaniline, N,N-	121-69-7		
						Dimethylbenzidine, 3,3'-	119-93-7		
		3.0E-02	I			Dimethylformamide	68-12-2		3.1E+01
		2.0E-06	X			Dimethylhydrazine, 1,1-	57-14-7		2.1E-03
1.6E-01	C					Dimethylhydrazine, 1,2-	540-73-8	1.5E-05	
						Dimethylphenol, 2,4-	105-67-9		
						Dimethylphenol, 2,6-	576-26-1		
						Dimethylphenol, 3,4-	95-65-8		
1.3E-05	C			V		Dimethylvinylchloride	513-37-1	1.9E-01	
						Dinitro-o-cresol, 4,6-	534-52-1		
						Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5		
						Dinitrobenzene, 1,2-	528-29-0		
						Dinitrobenzene, 1,3-	99-65-0		
						Dinitrobenzene, 1,4-	100-25-4		
						Dinitrophenol, 2,4-	51-28-5		
						Dinitrotoluene Mixture, 2,4/2,6-	NA		
8.9E-05	C					Dinitrotoluene, 2,4-	121-14-2	2.7E-02	
						Dinitrotoluene, 2,6-	606-20-2		
						Dinitrotoluene, 2-Amino-4,6-	35572-78-2		
						Dinitrotoluene, 4-Amino-2,6-	19406-51-0		
						Dinitrotoluene, Technical grade	25321-14-6		
						Dinoseb	88-85-7		
5.0E-06	I	3.0E-02	I			Dioxane, 1,4-	123-91-1	4.9E-01	3.1E+01
						Dioxins			
1.3E+00	I					~Hexachlorodibenzo-p-dioxin, Mixture	NA	1.9E-06	
3.8E+01	C	4.0E-08	C			~TCDD, 2,3,7,8-	1746-01-6	6.4E-08	4.2E-05
						Diphenamid	957-51-7		
						Diphenyl Sulfone	127-63-9		
						Diphenylamine	122-39-4		
2.2E-04	I					Diphenylhydrazine, 1,2-	122-66-7	1.1E-02	
						Diquat	85-00-7		
2.1E-03	C					Direct Black 38	1937-37-7	1.2E-03	
2.1E-03	C					Direct Blue 6	2602-46-2	1.2E-03	
1.9E-03	C					Direct Brown 95	16071-86-6	1.3E-03	
						Disulfoton	298-04-4		
				V		Dithiane, 1,4-	505-29-3		
						Diuron	330-54-1		
						Dodine	2439-10-3		
				V		EPTC	759-94-4		
						Endosulfan	115-29-7		
						Endothall	145-73-3		
						Endrin	72-20-8		
1.2E-06	I	1.0E-03	I	V		Epichlorohydrin	106-89-8	2.0E+00	1.0E+00
		2.0E-02	I	V		Epoxybutane, 1,2-	106-88-7		2.1E+01
						Ethephon	16672-87-0		
						Ethion	563-12-2		
		6.0E-02	P			Ethoxyethanol Acetate, 2-	111-15-9		6.3E+01

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	volc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
		2.0E-01	I			Ethoxyethanol, 2-	110-80-5		2.1E+02
		7.0E-02	P	V		Ethyl Acetate	141-78-6		7.3E+01
				V		Ethyl Acrylate	140-88-5		
		1.0E+01	I	V		Ethyl Chloride (Chloroethane)	75-00-3		1.0E+04
				V		Ethyl Ether	60-29-7		
		3.0E-01	P	V		Ethyl Methacrylate	97-63-2		3.1E+02
						Ethyl-p-nitrophenyl Phosphonate	2104-64-5		
2.5E-06	C	1.0E+00	I	V		Ethylbenzene	100-41-4	9.7E-01	1.0E+03
						Ethylene Cyanohydrin	109-78-4		
						Ethylene Diamine	107-15-3		
		4.0E-01	C			Ethylene Glycol	107-21-1		4.2E+02
		1.6E+00	I			Ethylene Glycol Monobutyl Ether	111-76-2		1.7E+03
8.8E-05	C	3.0E-02	C	V		Ethylene Oxide	75-21-8	2.8E-02	3.1E+01
1.3E-05	C					Ethylene Thiourea	96-45-7	1.9E-01	
1.9E-02	C			V		Ethyleneimine	151-56-4	1.3E-04	
						Ethylphthalyl Ethyl Glycolate	84-72-0		
						Express	101200-48-0		
						Fenamiphos	22224-92-6		
						Fenpropathrin	39515-41-8		
						Fluometuron	2164-17-2		
		1.3E-02	C			Fluoride	16984-48-8		1.4E+01
		1.3E-02	C			Fluorine (Soluble Fluoride)	7782-41-4		1.4E+01
						Fluridone	59756-60-4		
						Flurprimidol	56425-91-3		
						Flutolanil	66332-96-5		
						Fluvalinate	69409-94-5		
						Folpet	133-07-3		
						Fomesafen	72178-02-0		
						Fonofos	944-22-9		
1.3E-05	I	9.8E-03	A			Formaldehyde	50-00-0	1.9E-01	1.0E+01
		3.0E-04	X			Formic Acid	64-18-6		3.1E-01
						Fosetyl-Al	39148-24-8		
						Furans			
				V		~Dibenzofuran	132-64-9		
				V		~Furan	110-00-9		
		2.0E+00	I	V		~Tetrahydrofuran	109-99-9		2.1E+03
						Furazolidone	67-45-8		
		5.0E-02	H			Furfural	98-01-1		5.2E+01
4.3E-04	C					Furium	531-82-8	5.7E-03	
8.6E-06	C					Furmecyclox	60568-05-0	2.8E-01	
						Glufosinate, Ammonium	77182-82-2		
		8.0E-05	C			Glutaraldehyde	111-30-8		8.3E-02
		1.0E-03	H			Glycidyl	765-34-4		1.0E+00
						Glyphosate	1071-83-6		
						Goal	42874-03-3		
		1.0E-02	A			Guthion	86-50-0		1.0E+01
						Haloxyfop, Methyl	69806-40-2		
						Harmony	79277-27-3		
1.3E-03	I					Heptachlor	76-44-8	1.9E-03	
2.6E-03	I					Heptachlor Epoxide	1024-57-3	9.4E-04	
						Hexabromobenzene	87-82-1		
						Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2		
4.6E-04	I					Hexachlorobenzene	118-74-1	5.3E-03	
2.2E-05	I					Hexachlorobutadiene	87-68-3	1.1E-01	
1.8E-03	I					Hexachlorocyclohexane, Alpha-	319-84-6	1.4E-03	
5.3E-04	I					Hexachlorocyclohexane, Beta-	319-85-7	4.6E-03	
3.1E-04	C					Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	7.8E-03	
5.1E-04	I					Hexachlorocyclohexane, Technical	608-73-1	4.8E-03	
		2.0E-04	I			Hexachlorocyclopentadiene	77-47-4		2.1E-01
1.1E-05	C	3.0E-02	I			Hexachloroethane	67-72-1	2.2E-01	3.1E+01
						Hexachlorophene	70-30-4		
						Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4		
		1.0E-05	I	V		Hexamethylene Diisocyanate, 1,6-	822-06-0		1.0E-02
						Hexamethylphosphoramide	680-31-9		
		7.0E-01	I	V		Hexane, N-	110-54-3		7.3E+02
						Hexanedioic Acid	124-04-9		
		3.0E-02	I	V		Hexanone, 2-	591-78-6		3.1E+01
						Hexazinone	51235-04-2		
4.9E-03	I	3.0E-05	P			Hydrazine	302-01-2	5.0E-04	3.1E-02
4.9E-03	I					Hydrazine Sulfate	10034-93-2	5.0E-04	
		2.0E-02	I			Hydrogen Chloride	7647-01-0		2.1E+01
		1.4E-02	C			Hydrogen Fluoride	7664-39-3		1.5E+01
		2.0E-03	I			Hydrogen Sulfide	7783-06-4		2.1E+00
						Hydroquinone	123-31-9		
						Imazalil	35554-44-0		

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	vol	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Imazaquin	81335-37-7		
						Iodine	7553-56-2		
						Iprodione	36734-19-7		
						Iron	7439-89-6		
						Isobutyl Alcohol	78-83-1		
		2.0E+00	C			Isophorone	78-59-1		2.1E+03
						Isopropalin	33820-53-0		
		7.0E+00	C			Isopropanol	67-63-0		7.3E+03
						Isopropyl Methyl Phosphonic Acid	1832-54-8		
						Isoxaben	82558-50-7		
		3.0E-01	A	V		JP-7	NA		3.1E+02
						Kerb	23950-58-5		
						Lactofen	77501-63-4		
						Lead Compounds			
8.0E-05	C					~Lead acetate	301-04-2	3.0E-02	
						~Lead and Compounds	7439-92-1		1.5E-01
1.1E-05	C					~Lead subacetate	1335-32-6	2.2E-01	
						~Tetraethyl Lead	78-00-2		
						Linuron	330-55-2		
						Lithium	7439-93-2		
						Londax	83055-99-6		
						MCPA	94-74-6		
						MCPB	94-81-5		
						MCPP	93-65-2		
						Malathion	121-75-5		
		7.0E-04	C			Maleic Anhydride	108-31-6		7.3E-01
						Maleic Hydrazide	123-33-1		
						Malononitrile	109-77-3		
						Mancozeb	8018-01-7		
						Maneb	12427-38-2		
		5.0E-05	I			Manganese (Diet)	7439-96-5		
		5.0E-05	I			Manganese (Non-diet)	7439-96-5		5.2E-02
						Mephosfolan	950-10-7		
						Mepiquat Chloride	24307-26-4		
						Mercury Compounds			
		3.0E-04	S			~Mercuric Chloride (and other Mercury salts)	7487-94-7		3.1E-01
		3.0E-04	I	V		~Mercury (elemental)	7439-97-6		3.1E-01
						~Methyl Mercury	22967-92-6		
						~Phenylmercuric Acetate	62-38-4		
						Merphos	150-50-5		
						Merphos Oxide	78-48-8		
						Metalaxyl	57837-19-1		
		3.0E-02	P	V		Methacrylonitrile	126-98-7		3.1E+01
						Methamidophos	10265-92-6		
		2.0E+01	I			Methanol	67-56-1		2.1E+04
						Methidathion	950-37-8		
						Methomyl	16752-77-5		
1.4E-05	C					Methoxy-5-nitroaniline, 2-	99-59-2	1.7E-01	
						Methoxychlor	72-43-5		
		1.0E-03	P			Methoxyethanol Acetate, 2-	110-49-6		1.0E+00
		2.0E-02	I			Methoxyethanol, 2-	109-86-4		2.1E+01
				V		Methyl Acetate	79-20-9		
		2.0E-02	P	V		Methyl Acrylate	96-33-3		2.1E+01
		5.0E+00	I	V		Methyl Ethyl Ketone (2-Butanone)	78-93-3		5.2E+03
1.0E-03	X	2.0E-05	X			Methyl Hydrazine	60-34-4	2.4E-03	2.1E-02
		3.0E+00	I	V		Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1		3.1E+03
		1.0E-03	C	V		Methyl Isocyanate	624-83-9		1.0E+00
		7.0E-01	I	V		Methyl Methacrylate	80-62-6		7.3E+02
						Methyl Parathion	298-00-0		
						Methyl Phosphonic Acid	993-13-5		
		4.0E-02	H	V		Methyl Styrene (Mixed Isomers)	25013-15-4		4.2E+01
2.8E-05	C					Methyl methanesulfonate	66-27-3	8.7E-02	
2.6E-07	C	3.0E+00	I	V		Methyl tert-Butyl Ether (MTBE)	1634-04-4	9.4E+00	3.1E+03
						Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2		
						Methyl-5-Nitroaniline, 2-	99-55-8		
2.4E-03	C					Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	1.0E-03	
3.7E-05	C					Methylaniline Hydrochloride, 2-	636-21-5	6.6E-02	
						Methylarsonic acid	124-58-3		
						Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7		
						Methylbenzene-1,4-diamine sulfate, 2-	615-50-9		
6.3E-03	C				M	Methylcholanthrene, 3-	56-49-5	1.5E-04	
1.0E-08	I	6.0E-01	I	V	M	Methylene Chloride	75-09-2	9.6E+01	6.3E+02
4.3E-04	C				M	Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2.2E-03	
1.3E-05	C					Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.9E-01	
4.6E-04	C	2.0E-02	C			Methylenebisbenzenamine, 4,4'-	101-77-9	5.3E-03	2.1E+01

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	vol	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
		6.0E-04	I			Methylenediphenyl Diisocyanate	101-68-8		6.3E-01
				V		Methylstyrene, Alpha-	98-83-9		
						Metolachlor	51218-45-2		
						Metribuzin	21087-64-9		
				V		Mineral oils	8012-95-1		
5.1E-03	C					Mirex	2385-85-5	4.8E-04	
						Molinate	2212-67-1		
						Molybdenum	7439-98-7		
						Monochloramine	10599-90-3		
						Monomethylaniline	100-61-8		
						N,N'-Diphenyl-1,4-benzenediamine	74-31-7		
						Naled	300-76-5		
		1.0E-01	P	V		Naphtha, High Flash Aromatic (HFAN)	64724-95-6		1.0E+02
0.0E+00	C					Naphthylamine, 2-	91-59-8		
						Napropamide	15299-99-7		
		1.4E-05	C			Nickel Carbonyl	13463-39-3		1.5E-02
		2.0E-05	C			Nickel Oxide	1313-99-1		2.1E-02
2.4E-04	I	1.4E-05	C			Nickel Refinery Dust	NA	1.0E-02	1.5E-02
2.6E-04	C	9.0E-05	A			Nickel Soluble Salts	7440-02-0	9.4E-03	9.4E-02
4.8E-04	I	1.4E-05	C			Nickel Subsulfide	12035-72-2	5.1E-03	1.5E-02
						Nitrate	14797-55-8		
						Nitrate + Nitrite (as N)	NA		
						Nitrite	14797-65-0		
		5.0E-05	X			Nitroaniline, 2-	88-74-4		5.2E-02
		6.0E-03	P			Nitroaniline, 4-	100-01-6		6.3E+00
4.0E-05	I	9.0E-03	I	V		Nitrobenzene	98-95-3	6.1E-02	9.4E+00
						Nitrocellulose	9004-70-0		
						Nitrofurantoin	67-20-9		
3.7E-04	C					Nitrofurazone	59-87-0	6.6E-03	
						Nitroglycerin	55-63-0		
						Nitroguanidine	556-88-7		
8.8E-06	P	5.0E-03	P	V		Nitromethane	75-52-5	2.8E-01	5.2E+00
2.7E-03	H	2.0E-02	I	V		Nitropropane, 2-	79-46-9	9.0E-04	2.1E+01
7.7E-03	C				M	Nitroso-N-ethylurea, N-	759-73-9	1.2E-04	
3.4E-02	C				M	Nitroso-N-methylurea, N-	684-93-5	2.8E-05	
1.6E-03	I			V		Nitroso-di-N-butylamine, N-	924-16-3	1.5E-03	
2.0E-03	C					Nitroso-di-N-propylamine, N-	621-64-7	1.2E-03	
8.0E-04	C					Nitrosodiethanolamine, N-	1116-54-7	3.0E-03	
4.3E-02	I				M	Nitrosodiethylamine, N-	55-18-5	2.2E-05	
1.4E-02	I	4.0E-05	X		M	Nitrosodimethylamine, N-	62-75-9	6.9E-05	4.2E-02
2.6E-06	C					Nitrosodiphenylamine, N-	86-30-6	9.4E-01	
6.3E-03	C					Nitrosomethylethylamine, N-	10595-95-6	3.9E-04	
1.9E-03	C					Nitrosomorpholine [N-]	59-89-2	1.3E-03	
2.7E-03	C					Nitrosopiperidine [N-]	100-75-4	9.0E-04	
6.1E-04	I					Nitrosopyrrolidine, N-	930-55-2	4.0E-03	
						Nitrotoluene, m-	99-08-1		
				V		Nitrotoluene, o-	88-72-2		
						Nitrotoluene, p-	99-99-0		
		2.0E-02	P	V		Nonane, n-	111-84-2		2.1E+01
						Norflurazon	27314-13-2		
						Nustar	85509-19-9		
						Octabromodiphenyl Ether	32536-52-0		
						Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0		
						Octamethylpyrophosphoramide	152-16-9		
						Oryzalin	19044-88-3		
						Oxadiazon	19666-30-9		
						Oxamyl	23135-22-0		
						Paclobutrazol	76738-62-0		
						Paraquat Dichloride	1910-42-5		
						Parathion	56-38-2		
						Pebulate	1114-71-2		
						Pendimethalin	40487-42-1		
						Pentabromodiphenyl Ether	32534-81-9		
						Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9		
						Pentachlorobenzene	608-93-5		
						Pentachloroethane	76-01-7		
						Pentachloronitrobenzene	82-68-8		
5.1E-06	C					Pentachlorophenol	87-86-5	4.8E-01	
						Pentaerythritol tetranitrate (PETN)	78-11-5		
		1.0E+00	P	V		Pentane, n-	109-66-0		1.0E+03
						Perchlorates			
						~Ammonium Perchlorate	7790-98-9		
						~Lithium Perchlorate	7791-03-9		
						~Perchlorate and Perchlorate Salts	14797-73-0		
						~Potassium Perchlorate	7778-74-7		

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	volc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						~Sodium Perchlorate	7601-89-0		
						Permethrin	52645-53-1		
6.3E-07	C					Phenacetin	62-44-2	3.9E+00	
						Phenmedipham	13684-63-4		
		2.0E-01	C			Phenol	108-95-2		2.1E+02
						Phenothiazine	92-84-2		
						Phenylenediamine, m-	108-45-2		
						Phenylenediamine, o-	95-54-5		
						Phenylenediamine, p-	106-50-3		
						Phenylphenol, 2-	90-43-7		
						Phorate	298-02-2		
		3.0E-04	I	V		Phosgene	75-44-5		3.1E-01
						Phosmet	732-11-6		
						Phosphates, Inorganic			
						~Aluminum metaphosphate	13776-88-0		
						~Ammonium polyphosphate	68333-79-9		
						~Calcium pyrophosphate	7790-76-3		
						~Diammonium phosphate	7783-28-0		
						~Dicalcium phosphate	7757-93-9		
						~Dimagnesium phosphate	7782-75-4		
						~Dipotassium phosphate	7758-11-4		
						~Disodium phosphate	7558-79-4		
						~Monoaluminum phosphate	13530-50-2		
						~Monoammonium phosphate	7722-76-1		
						~Monocalcium phosphate	7758-23-8		
						~Monomagnesium phosphate	7757-86-0		
						~Monopotassium phosphate	7778-77-0		
						~Monosodium phosphate	7558-80-7		
						~Polyphosphoric acid	8017-16-1		
						~Potassium tripolyphosphate	13845-36-8		
						~Sodium acid pyrophosphate	7758-16-9		
						~Sodium aluminum phosphate (acidic)	7785-88-8		
						~Sodium aluminum phosphate (anhydrous)	10279-59-1		
						~Sodium aluminum phosphate (tetrahydrate)	10305-76-7		
						~Sodium hexametaphosphate	10124-56-8		
						~Sodium polyphosphate	68915-31-1		
						~Sodium trimetaphosphate	7785-84-4		
						~Sodium tripolyphosphate	7758-29-4		
						~Tetrapotassium phosphate	7320-34-5		
						~Tetrasodium pyrophosphate	7722-88-5		
						~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5		
						~Tricalcium phosphate	7758-87-4		
						~Trimagnesium phosphate	7757-87-1		
						~Tripotassium phosphate	7778-53-2		
						~Trisodium phosphate	7601-54-9		
		3.0E-04	I			Phosphine	7803-51-2		3.1E-01
		1.0E-02	I			Phosphoric Acid	7664-38-2		1.0E+01
						Phosphorus, White	7723-14-0		
						Phthalates			
2.4E-06	C					~Bis(2-ethylhexyl)phthalate	117-81-7	1.0E+00	
						~Butylphthalyl Butylglycolate	85-70-1		
						~Dibutyl Phthalate	84-74-2		
						~Diethyl Phthalate	84-66-2		
				V		~Dimethylterephthalate	120-61-6		
						~Octyl Phthalate, di-N-	117-84-0		
						~Phthalic Acid, P-	100-21-0		
		2.0E-02	C			~Phthalic Anhydride	85-44-9		2.1E+01
						Picloram	1918-02-1		
						Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3		
						Pirimiphos, Methyl	29232-93-7		
8.6E-03	C					Polybrominated Biphenyls	59536-65-1	2.8E-04	
						Polychlorinated Biphenyls (PCBs)			
2.0E-05	S					~Aroclor 1016	12674-11-2	1.2E-01	
5.7E-04	S			V		~Aroclor 1221	11104-28-2	4.3E-03	
5.7E-04	S			V		~Aroclor 1232	11141-16-5	4.3E-03	
5.7E-04	S					~Aroclor 1242	53469-21-9	4.3E-03	
5.7E-04	S					~Aroclor 1248	12672-29-6	4.3E-03	
5.7E-04	S					~Aroclor 1254	11097-69-1	4.3E-03	
5.7E-04	S					~Aroclor 1260	11096-82-5	4.3E-03	
1.1E-03	E	1.3E-03	E			~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	2.1E-03	1.4E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	2.1E-03	1.4E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	2.1E-03	1.4E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	2.1E-03	1.4E+00
1.1E+00	E	1.3E-06	E			~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	2.1E-06	1.4E-03
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	2.1E-03	1.4E+00

TR=1E-06
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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	vol	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	2.1E-03	1.4E+00
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	2.1E-03	1.4E+00
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	2.1E-03	1.4E+00
3.8E+00	E	4.0E-07	E			~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	6.4E-07	4.2E-04
5.7E-04	I					~Polychlorinated Biphenyls (high risk)	1336-36-3	4.3E-03	
1.0E-04	I					~Polychlorinated Biphenyls (low risk)	1336-36-3	2.4E-02	
2.0E-05	I					~Polychlorinated Biphenyls (lowest risk)	1336-36-3	1.2E-01	
3.8E-03	E	4.0E-04	E			~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	6.4E-04	4.2E-01
1.1E-02	E	1.3E-04	E			~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	2.1E-04	1.4E-01
		6.0E-04	I			Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9		6.3E-01
						Polynuclear Aromatic Hydrocarbons (PAHs)			
				V		~Acenaphthene	83-32-9		
				V		~Anthracene	120-12-7		
1.1E-04	C				M	~Benz[a]anthracene	56-55-3	8.7E-03	
1.1E-04	C					~Benzo(j)fluoranthene	205-82-3	2.2E-02	
1.1E-03	C				M	~Benzo[a]pyrene	50-32-8	8.7E-04	
1.1E-04	C				M	~Benzo[b]fluoranthene	205-99-2	8.7E-03	
1.1E-04	C				M	~Benzo[k]fluoranthene	207-08-9	8.7E-03	
				V		~Chloronaphthalene, Beta-	91-58-7		
1.1E-05	C				M	~Chrysene	218-01-9	8.7E-02	
1.2E-03	C				M	~Dibenz[a,h]anthracene	53-70-3	8.0E-04	
1.1E-03	C					~Dibenzo(a,e)pyrene	192-65-4	2.2E-03	
7.1E-02	C				M	~Dimethylbenz(a)anthracene, 7,12-	57-97-6	1.4E-05	
						~Fluoranthene	206-44-0		
				V		~Fluorene	86-73-7		
1.1E-04	C				M	~Indeno[1,2,3-cd]pyrene	193-39-5	8.7E-03	
				V		~Methylnaphthalene, 1-	90-12-0		
				V		~Methylnaphthalene, 2-	91-57-6		
3.4E-05	C	3.0E-03	I	V		~Naphthalene	91-20-3	7.2E-02	3.1E+00
1.1E-04	C					~Nitropyrene, 4-	57835-92-4	2.2E-02	
				V		~Pyrene	129-00-0		
						Prochloraz	67747-09-5		
						Profluralin	26399-36-0		
						Prometon	1610-18-0		
						Prometryn	7287-19-6		
						Propachlor	1918-16-7		
						Propanil	709-98-8		
						Propargite	2312-35-8		
						Propargyl Alcohol	107-19-7		
						Propazine	139-40-2		
						Propham	122-42-9		
						Propiconazole	60207-90-1		
		8.0E-03	I	V		Propionaldehyde	123-38-6		8.3E+00
		1.0E+00	X	V		Propylbenzene	103-65-1		1.0E+03
		3.0E+00	C	V		Propylene	115-07-1		3.1E+03
						Propylene Glycol	57-55-6		
		2.7E-04	A			Propylene Glycol Dinitrate	6423-43-4		2.8E-01
						Propylene Glycol Monoethyl Ether	1569-02-4		
		2.0E+00	I			Propylene Glycol Monomethyl Ether	107-98-2		2.1E+03
3.7E-06	I	3.0E-02	I	V		Propylene Oxide	75-56-9	6.6E-01	3.1E+01
						Pursuit	81335-77-5		
						Pydrin	51630-58-1		
				V		Pyridine	110-86-1		
						Quinalphos	13593-03-8		
						Quinoline	91-22-5		
		3.0E-02	A			Refractory Ceramic Fibers	NA		3.1E+01
						Resmethrin	10453-86-8		
						Ronnel	299-84-3		
						Rotenone	83-79-4		
6.3E-05	C				M	Safrole	94-59-7	1.5E-02	
						Savey	78587-05-0		
						Selenious Acid	7783-00-8		
		2.0E-02	C			Selenium	7782-49-2		2.1E+01
		2.0E-02	C			Selenium Sulfide	7446-34-6		2.1E+01
						Sethoxydim	74051-80-2		
		3.0E-03	C			Silica (crystalline, respirable)	7631-86-9		3.1E+00
						Silver	7440-22-4		
						Simazine	122-34-9		
						Sodium Acifluorfen	62476-59-9		
						Sodium Azide	26628-22-8		
						Sodium Diethyldithiocarbamate	148-18-5		
		1.3E-02	C			Sodium Fluoride	7681-49-4		1.4E+01
						Sodium Fluoroacetate	62-74-8		
						Sodium Metavanadate	13718-26-8		
						Stirofos (Tetrachlorovinphos)	961-11-5		

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Strontium, Stable	7440-24-6		
						Strychnine	57-24-9		
		1.0E+00	I	V		Styrene	100-42-5		1.0E+03
		2.0E-03	P			Sulfolane	126-33-0		2.1E+00
						Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9		
		1.0E-03	C			Sulfuric Acid	7664-93-9		1.0E+00
						Systhane	88671-89-0		
						TCMTB	21564-17-0		
						Tebuthiuron	34014-18-1		
						Temephos	3383-96-8		
						Terbacil	5902-51-2		
						Terbufos	13071-79-9		
						Terbutryn	886-50-0		
						Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1		
						Tetrachlorobenzene, 1,2,4,5-	95-94-3		
7.4E-06	I			V		Tetrachloroethane, 1,1,1,2-	630-20-6	3.3E-01	
5.8E-05	C			V		Tetrachloroethane, 1,1,2,2-	79-34-5	4.2E-02	
2.6E-07	I	4.0E-02	I	V		Tetrachloroethylene	127-18-4	9.4E+00	4.2E+01
						Tetrachlorophenol, 2,3,4,6-	58-90-2		
						Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1		
						Tetraethyl Dithiopyrophosphate	3689-24-5		
		8.0E+01	I	V		Tetrafluoroethane, 1,1,1,2-	811-97-2		8.3E+04
						Tetryl (Trinitrophenylmethylnitramine)	479-45-8		
						Thallium (I) Nitrate	10102-45-1		
						Thallium (Soluble Salts)	7440-28-0		
						Thallium Acetate	563-68-8		
						Thallium Carbonate	6533-73-9		
						Thallium Chloride	7791-12-0		
						Thallium Sulfate	7446-18-6		
						Thiobencarb	28249-77-6		
						Thiodiglycol	111-48-8		
						Thiofanox	39196-18-4		
						Thiophanate, Methyl	23564-05-8		
						Thiram	137-26-8		
						Tin	7440-31-5		
		1.0E-04	A			Titanium Tetrachloride	7550-45-0		1.0E-01
		5.0E+00	I	V		Toluene	108-88-3		5.2E+03
						Toluene-2,5-diamine	95-70-5		
						Toluidine, p-	106-49-0		
						Total Petroleum Hydrocarbons (Aliphatic High)	NA		
1.9E-07	P	6.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Low)	NA	1.3E+01	6.3E+02
4.5E-06	P	1.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Medium)	NA	5.4E-01	1.0E+02
						Total Petroleum Hydrocarbons (Aromatic High)	NA		
7.8E-06	P	3.0E-02	P	V		Total Petroleum Hydrocarbons (Aromatic Low)	NA	3.1E-01	3.1E+01
		3.0E-03	P	V		Total Petroleum Hydrocarbons (Aromatic Medium)	NA		3.1E+00
3.2E-04	I					Toxaphene	8001-35-2	7.6E-03	
						Tralomethrin	66841-25-6		
						Tri-n-butyltin	688-73-3		
						Triacetin	102-76-1		
						Triallate	2303-17-5		
						Triasulfuron	82097-50-5		
						Tribromobenzene, 1,2,4-	615-54-3		
						Tributyl Phosphate	126-73-8		
						Tributyltin Compounds	NA		
						Tributyltin Oxide	56-35-9		
		3.0E+01	H	V		Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1		3.1E+04
						Trichloroacetic Acid	76-03-9		
						Trichloroaniline HCl, 2,4,6-	33663-50-2		
						Trichloroaniline, 2,4,6-	634-93-5		
				V		Trichlorobenzene, 1,2,3-	87-61-6		
		2.0E-03	P	V		Trichlorobenzene, 1,2,4-	120-82-1		2.1E+00
		5.0E+00	I	V		Trichloroethane, 1,1,1-	71-55-6		5.2E+03
1.6E-05	I	2.0E-04	X	V		Trichloroethane, 1,1,2-	79-00-5	1.5E-01	2.1E-01
4.1E-06	I	2.0E-03	I	V	M	Trichloroethylene	79-01-6	4.3E-01	2.1E+00
		7.0E-01	H	V		Trichlorofluoromethane	75-69-4		7.3E+02
						Trichlorophenol, 2,4,5-	95-95-4		
3.1E-06	I					Trichlorophenol, 2,4,6-	88-06-2	7.8E-01	
						Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5		
						Trichlorophenoxypropionic acid, -2,4,5	93-72-1		
				V		Trichloropropane, 1,1,2-	598-77-6		
		3.0E-04	I	V	M	Trichloropropane, 1,2,3-	96-18-4		3.1E-01
		3.0E-04	P	V		Trichloropropene, 1,2,3-	96-19-5		3.1E-01
						Tricresyl Phosphate (TCP)	1330-78-5		
						Tridiphane	58138-08-2		
		7.0E-03	I	V		Triethylamine	121-44-8		7.3E+00

TR=1E-06
HI=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Trifluralin	1582-09-8		
						Trimethyl Phosphate	512-56-1		
		5.0E-03	P	V		Trimethylbenzene, 1,2,3-	526-73-8		5.2E+00
		7.0E-03	P	V		Trimethylbenzene, 1,2,4-	95-63-6		7.3E+00
				V		Trimethylbenzene, 1,3,5-	108-67-8		
						Trinitrobenzene, 1,3,5-	99-35-4		
						Trinitrotoluene, 2,4,6-	118-96-7		
						Triphenylphosphine Oxide	791-28-6		
						Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8		
						Tris(1-chloro-2-propyl)phosphate	13674-84-5		
						Tris(2-chloroethyl)phosphate	115-96-8		
						Tris(2-ethylhexyl)phosphate	78-42-2		
		4.0E-05	A			Uranium (Soluble Salts)	NA		4.2E-02
2.9E-04	C				M	Urethane	51-79-6	3.3E-03	
8.3E-03	P	7.0E-06	P			Vanadium Pentoxide	1314-62-1	2.9E-04	7.3E-03
		1.0E-04	A			Vanadium and Compounds	7440-62-2		1.0E-01
						Vernolate	1929-77-7		
						Vinclozolin	50471-44-8		
		2.0E-01	I	V		Vinyl Acetate	108-05-4		2.1E+02
3.2E-05	H	3.0E-03	I	V		Vinyl Bromide	593-60-2	7.6E-02	3.1E+00
4.4E-06	I	1.0E-01	I	V	M	Vinyl Chloride	75-01-4	1.6E-01	1.0E+02
						Warfarin	81-81-2		
		1.0E-01	S	V		Xylene, P-	106-42-3		1.0E+02
		1.0E-01	S	V		Xylene, m-	108-38-3		1.0E+02
		1.0E-01	S	V		Xylene, o-	95-47-6		1.0E+02
		1.0E-01	I	V		Xylenes	1330-20-7		1.0E+02
						Zinc Phosphide	1314-84-7		
						Zinc and Compounds	7440-66-6		
						Zineb	12122-67-7		
						Zirconium	7440-67-7		

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR (ug/m^3)$^{-1}$	key	RfC$_i$ (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
5.1E-06	C					ALAR	1596-84-5	2.4E+00	
						Acephate	30560-19-1		
2.2E-06	I	9.0E-03	I	V		Acetaldehyde	75-07-0	5.6E+00	3.9E+01
						Acetochlor	34256-82-1		
		3.1E+01	A	V		Acetone	67-64-1		1.4E+05
		2.0E-03	X	V		Acetone Cyanohydrin	75-86-5		8.8E+00
		6.0E-02	I	V		Acetonitrile	75-05-8		2.6E+02
				V		Acetophenone	98-86-2		
1.3E-03	C					Acetylaminofluorene, 2-	53-96-3	9.4E-03	
		2.0E-05	I	V		Acrolein	107-02-8		8.8E-02
1.0E-04	I	6.0E-03	I		M	Acrylamide	79-06-1	1.2E-01	2.6E+01
		1.0E-03	I			Acrylic Acid	79-10-7		4.4E+00
6.8E-05	I	2.0E-03	I	V		Acrylonitrile	107-13-1	1.8E-01	8.8E+00
		6.0E-03	P			Adiponitrile	111-69-3		2.6E+01
						Alachlor	15972-60-8		
						Aldicarb	116-06-3		
						Aldicarb Sulfone	1646-88-4		
						Aldicarb sulfoxide	1646-87-3		
4.9E-03	I					Aldrin	309-00-2	2.5E-03	
						Ally	74223-64-6		
		1.0E-04	X			Allyl Alcohol	107-18-6		4.4E-01
6.0E-06	C	1.0E-03	I	V		Allyl Chloride	107-05-1	2.0E+00	4.4E+00
		5.0E-03	P			Aluminum	7429-90-5		2.2E+01
						Aluminum Phosphide	20859-73-8		
						Amdro	67485-29-4		
						Ametryn	834-12-8		
6.0E-03	C					Aminobiphenyl, 4-	92-67-1	2.0E-03	
						Aminophenol, m-	591-27-5		
						Aminophenol, p-	123-30-8		
						Amitraz	33089-61-1		
		1.0E-01	I			Ammonia	7664-41-7		4.4E+02
						Ammonium Sulfamate	7773-06-0		
		3.0E-03	X	V		Amyl Alcohol, tert-	75-85-4		1.3E+01
1.6E-06	C	1.0E-03	I			Aniline	62-53-3	7.7E+00	4.4E+00
						Anthraquinone, 9,10-	84-65-1		
						Antimony (metallic)	7440-36-0		
						Antimony Pentoxide	1314-60-9		
						Antimony Potassium Tartrate	11071-15-1		
						Antimony Tetroxide	1332-81-6		
		2.0E-04	I			Antimony Trioxide	1309-64-4		8.8E-01
						Apollo	74115-24-5		
7.1E-06	I					Aramite	140-57-8	1.7E+00	
4.3E-03	I	1.5E-05	C			Arsenic, Inorganic	7440-38-2	2.9E-03	6.6E-02
		5.0E-05	I			Arsine	7784-42-1		2.2E-01
						Assure	76578-14-8		
						Asulam	3337-71-1		
						Atrazine	1912-24-9		
2.5E-04	C					Auramine	492-80-8	4.9E-02	
						Avermectin B1	65195-55-3		
3.1E-05	I			V		Azobenzene	103-33-3	4.0E-01	
		5.0E-04	H			Barium	7440-39-3		2.2E+00
						Baygon	114-26-1		
						Bayleton	43121-43-3		
						Baythroid	68359-37-5		
						Benefin	1861-40-1		
						Benomyl	17804-35-2		
						Bentazon	25057-89-0		
				V		Benzaldehyde	100-52-7		
7.8E-06	I	3.0E-02	I	V		Benzene	71-43-2	1.6E+00	1.3E+02
						Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1		
				V		Benzenethiol	108-98-5		
6.7E-02	I				M	Benzidine	92-87-5	1.8E-04	
						Benzoic Acid	65-85-0		
				V		Benzotrichloride	98-07-7		
						Benzyl Alcohol	100-51-6		
4.9E-05	C	1.0E-03	P	V		Benzyl Chloride	100-44-7	2.5E-01	4.4E+00
2.4E-03	I	2.0E-05	I			Beryllium and compounds	7440-41-7	5.1E-03	8.8E-02
						Bidrin	141-66-2		
						Bifenox	42576-02-3		
						Biphenthrin	82657-04-3		
		4.0E-04	X	V		Biphenyl, 1,1'-	92-52-4		1.8E+00
1.0E-05	H			V		Bis(2-chloro-1-methylethyl) ether	108-60-1	1.2E+00	
						Bis(2-chloroethoxy)methane	111-91-1		
3.3E-04	I			V		Bis(2-chloroethyl)ether	111-44-4	3.7E-02	
6.2E-02	I			V		Bis(chloromethyl)ether	542-88-1	2.0E-04	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Bisphenol A	80-05-7		
		2.0E-02	H			Boron And Borates Only	7440-42-8		8.8E+01
		2.0E-02	P			Boron Trichloride	10294-34-5		8.8E+01
		1.3E-02	C			Boron Trifluoride	7637-07-2		5.7E+01
						Bromate	15541-45-4		
6.0E-04	X			V		Bromo-2-chloroethane, 1-	107-04-0	2.0E-02	
		6.0E-02	I	V		Bromobenzene	108-86-1		2.6E+02
		4.0E-02	X	V		Bromochloromethane	74-97-5		1.8E+02
3.7E-05	C			V		Bromodichloromethane	75-27-4	3.3E-01	
1.1E-06	I					Bromoform	75-25-2	1.1E+01	
		5.0E-03	I	V		Bromomethane	74-83-9		2.2E+01
						Bromophos	2104-96-3		
						Bromoxynil	1689-84-5		
						Bromoxynil Octanoate	1689-99-2		
3.0E-05	I	2.0E-03	I	V		Butadiene, 1,3-	106-99-0	4.1E-01	8.8E+00
						Butanol, N-	71-36-3		
						Butyl Benzyl Phthlate	85-68-7		
		3.0E+01	P			Butyl alcohol, sec-	78-92-2		1.3E+05
						Butylate	2008-41-5		
5.7E-08	C					Butylated hydroxyanisole	25013-16-5	2.2E+02	
						Butylated hydroxytoluene	128-37-0		
				V		Butylbenzene, n-	104-51-8		
				V		Butylbenzene, sec-	135-98-8		
				V		Butylbenzene, tert-	98-06-6		
						Cacodylic Acid	75-60-5		
1.8E-03	I	1.0E-05	A			Cadmium (Diet)	7440-43-9		
1.8E-03	I	1.0E-05	A			Cadmium (Water)	7440-43-9	6.8E-03	4.4E-02
		2.2E-03	C			Caprolactam	105-60-2		9.6E+00
4.3E-05	C					Captafol	2425-06-1	2.9E-01	
6.6E-07	C					Captan	133-06-2	1.9E+01	
						Carbaryl	63-25-2		
						Carbofuran	1563-66-2		
		7.0E-01	I	V		Carbon Disulfide	75-15-0		3.1E+03
6.0E-06	I	1.0E-01	I	V		Carbon Tetrachloride	56-23-5	2.0E+00	4.4E+02
						Carbosulfan	55285-14-8		
						Carboxin	5234-68-4		
		9.0E-04	I			Ceric oxide	1306-38-3		3.9E+00
						Chloral Hydrate	302-17-0		
						Chloramben	133-90-4		
						Chloranil	118-75-2		
1.0E-04	I	7.0E-04	I			Chlordane	12789-03-6	1.2E-01	3.1E+00
4.6E-03	C					Chlordecone (Kepone)	143-50-0	2.7E-03	
						Chlorfenvinphos	470-90-6		
						Chlorimuron, Ethyl-	90982-32-4		
		1.5E-04	A			Chlorine	7782-50-5		6.4E-01
		2.0E-04	I			Chlorine Dioxide	10049-04-4		8.8E-01
						Chlorite (Sodium Salt)	7758-19-2		
		5.0E+01	I	V		Chloro-1,1-difluoroethane, 1-	75-68-3		2.2E+05
3.0E-04	I	2.0E-02	I	V		Chloro-1,3-butadiene, 2-	126-99-8	4.1E-02	8.8E+01
						Chloro-2-methylaniline HCl, 4-	3165-93-3		
7.7E-05	C					Chloro-2-methylaniline, 4-	95-69-2	1.6E-01	
				V		Chloroacetaldehyde, 2-	107-20-0		
						Chloroacetic Acid	79-11-8		
		3.0E-05	I			Chloroacetophenone, 2-	532-27-4		1.3E-01
						Chloroaniline, p-	106-47-8		
		5.0E-02	P	V		Chlorobenzene	108-90-7		2.2E+02
3.1E-05	C					Chlorobenzilate	510-15-6	4.0E-01	
						Chlorobenzoic Acid, p-	74-11-3		
		3.0E-01	P	V		Chlorobenzotrifluoride, 4-	98-56-6		1.3E+03
				V		Chlorobutane, 1-	109-69-3		
		5.0E+01	I	V		Chlorodifluoromethane	75-45-6		2.2E+05
						Chloroethanol, 2-	107-07-3		
2.3E-05	I	9.8E-02	A	V		Chloroform	67-66-3	5.3E-01	4.3E+02
		9.0E-02	I	V		Chloromethane	74-87-3		3.9E+02
6.9E-04	C			V		Chloromethyl Methyl Ether	107-30-2	1.8E-02	
		1.0E-05	X			Chloronitrobenzene, o-	88-73-3		4.4E-02
		6.0E-04	P			Chloronitrobenzene, p-	100-00-5		2.6E+00
				V		Chlorophenol, 2-	95-57-8		
		4.0E-04	C	V		Chloropicrin	76-06-2		1.8E+00
8.9E-07	C					Chlorothalonil	1897-45-6	1.4E+01	
				V		Chlorotoluene, o-	95-49-8		
				V		Chlorotoluene, p-	106-43-4		
6.9E-02	C					Chlorozotocin	54749-90-5	1.8E-04	
						Chlorpropham	101-21-3		
						Chlorpyrifos	2921-88-2		

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Chlorpyrifos Methyl	5598-13-0		
						Chlorsulfuron	64902-72-3		
						Chlorthiophos	60238-56-4		
						Chromium(III), Insoluble Salts	16065-83-1		
8.4E-02	S	1.0E-04	I		M	Chromium(VI)	18540-29-9	1.5E-04	4.4E-01
						Chromium, Total	7440-47-3		
9.0E-03	P	6.0E-06	P			Cobalt	7440-48-4	1.4E-03	2.6E-02
6.2E-04	I				M	Coke Oven Emissions	8007-45-2	2.0E-02	
						Copper	7440-50-8		
		6.0E-01	C			Cresol, m-	108-39-4		2.6E+03
		6.0E-01	C			Cresol, o-	95-48-7		2.6E+03
		6.0E-01	C			Cresol, p-	106-44-5		2.6E+03
						Cresol, p-chloro-m-	59-50-7		
		6.0E-01	C			Cresols	1319-77-3		2.6E+03
				V		Crotonaldehyde, trans-	123-73-9		
		4.0E-01	I	V		Cumene	98-82-8		1.8E+03
6.3E-05	C					Cupferron	135-20-6	1.9E-01	
						Cyanazine	21725-46-2		
						Cyanides			
						~Calcium Cyanide	592-01-8		
						~Copper Cyanide	544-92-3		
		8.0E-04	S	V		~Cyanide (CN-)	57-12-5		3.5E+00
				V		~Cyanogen	460-19-5		
				V		~Cyanogen Bromide	506-68-3		
				V		~Cyanogen Chloride	506-77-4		
		8.0E-04	I	V		~Hydrogen Cyanide	74-90-8		3.5E+00
						~Potassium Cyanide	151-50-8		
						~Potassium Silver Cyanide	506-61-6		
						~Silver Cyanide	506-64-9		
						~Sodium Cyanide	143-33-9		
						~Thiocyanates	NA		
						~Thiocyanic Acid	463-56-9		
						~Zinc Cyanide	557-21-1		
		6.0E+00	I	V		Cyclohexane	110-82-7		2.6E+04
						Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3		
		7.0E-01	P			Cyclohexanone	108-94-1		3.1E+03
		1.0E+00	X	V		Cyclohexene	110-83-8		4.4E+03
						Cyclohexylamine	108-91-8		
						Cyhalothrin/karate	68085-85-8		
						Cypermethrin	52315-07-8		
						Cyromazine	66215-27-8		
6.9E-05	C					DDD	72-54-8	1.8E-01	
9.7E-05	C					DDE, p,p'-	72-55-9	1.3E-01	
9.7E-05	I					DDT	50-29-3	1.3E-01	
						Dacthal	1861-32-1		
						Dalapon	75-99-0		
						Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5		
						Demeton	8065-48-3		
						Di(2-ethylhexyl)adipate	103-23-1		
						Diallate	2303-16-4		
						Diazinon	333-41-5		
				V		Dibenzothiophene	132-65-0		
6.0E-03	P	2.0E-04	I	V	M	Dibromo-3-chloropropane, 1,2-	96-12-8	2.0E-03	8.8E-01
						Dibromobenzene, 1,4-	106-37-6		
2.7E-05	C			V		Dibromochloromethane	124-48-1	4.5E-01	
6.0E-04	I	9.0E-03	I	V		Dibromoethane, 1,2-	106-93-4	2.0E-02	3.9E+01
		4.0E-03	X	V		Dibromomethane (Methylene Bromide)	74-95-3		1.8E+01
						Dibutyltin Compounds	NA		
						Dicamba	1918-00-9		
4.2E-03	P			V		Dichloro-2-butene, 1,4-	764-41-0	2.9E-03	
4.2E-03	P			V		Dichloro-2-butene, cis-1,4-	1476-11-5	2.9E-03	
4.2E-03	P			V		Dichloro-2-butene, trans-1,4-	110-57-6	2.9E-03	
						Dichloroacetic Acid	79-43-6		
		2.0E-01	H	V		Dichlorobenzene, 1,2-	95-50-1		8.8E+02
1.1E-05	C	8.0E-01	I	V		Dichlorobenzene, 1,4-	106-46-7	1.1E+00	3.5E+03
3.4E-04	C					Dichlorobenzidine, 3,3'-	91-94-1	3.6E-02	
						Dichlorobenzophenone, 4,4'-	90-98-2		
		1.0E-01	X	V		Dichlorodifluoromethane	75-71-8		4.4E+02
1.6E-06	C			V		Dichloroethane, 1,1-	75-34-3	7.7E+00	
2.6E-05	I	7.0E-03	P	V		Dichloroethane, 1,2-	107-06-2	4.7E-01	3.1E+01
		2.0E-01	I	V		Dichloroethylene, 1,1-	75-35-4		8.8E+02
				V		Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0		
				V		Dichloroethylene, 1,2-cis-	156-59-2		
		6.0E-02	P	V		Dichloroethylene, 1,2-trans-	156-60-5		2.6E+02
						Dichlorophenol, 2,4-	120-83-2		

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Dichlorophenoxy Acetic Acid, 2,4-	94-75-7		
						Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6		
1.0E-05	C	4.0E-03	I	V		Dichloropropane, 1,2-	78-87-5	1.2E+00	1.8E+01
				V		Dichloropropane, 1,3-	142-28-9		
						Dichloropropanol, 2,3-	616-23-9		
4.0E-06	I	2.0E-02	I	V		Dichloropropene, 1,3-	542-75-6	3.1E+00	8.8E+01
8.3E-05	C	5.0E-04	I			Dichlorvos	62-73-7	1.5E-01	2.2E+00
		7.0E-03	P	V		Dicyclopentadiene	77-73-6		3.1E+01
4.6E-03	I					Dieldrin	60-57-1	2.7E-03	
3.0E-04	C	5.0E-03	I			Diesel Engine Exhaust	NA	4.1E-02	2.2E+01
		2.0E-04	P			Diethanolamine	111-42-2		8.8E-01
		1.0E-04	P			Diethylene Glycol Monobutyl Ether	112-34-5		4.4E-01
		3.0E-04	P			Diethylene Glycol Monoethyl Ether	111-90-0		1.3E+00
						Diethylformamide	617-84-5		
1.0E-01	C					Diethylstilbestrol	56-53-1	1.2E-04	
						Difenzoquat	43222-48-6		
						Diflubenzuron	35367-38-5		
		4.0E+01	I	V		Difluoroethane, 1,1-	75-37-6		1.8E+05
1.3E-05	C			V		Dihydrosafrole	94-58-6	9.4E-01	
		7.0E-01	P	V		Diisopropyl Ether	108-20-3		3.1E+03
				V		Diisopropyl Methylphosphonate	1445-75-6		
						Dimethipin	55290-64-7		
						Dimethoate	60-51-5		
						Dimethoxybenzidine, 3,3'-	119-90-4		
						Dimethyl methylphosphonate	756-79-6		
1.3E-03	C					Dimethylamino azobenzene [p-]	60-11-7	9.4E-03	
						Dimethylaniline HCl, 2,4-	21436-96-4		
						Dimethylaniline, 2,4-	95-68-1		
				V		Dimethylaniline, N,N-	121-69-7		
						Dimethylbenzidine, 3,3'-	119-93-7		
		3.0E-02	I			Dimethylformamide	68-12-2		1.3E+02
		2.0E-06	X			Dimethylhydrazine, 1,1-	57-14-7		8.8E-03
1.6E-01	C					Dimethylhydrazine, 1,2-	540-73-8	7.7E-05	
						Dimethylphenol, 2,4-	105-67-9		
						Dimethylphenol, 2,6-	576-26-1		
						Dimethylphenol, 3,4-	95-65-8		
1.3E-05	C			V		Dimethylvinylchloride	513-37-1	9.4E-01	
						Dinitro-o-cresol, 4,6-	534-52-1		
						Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5		
						Dinitrobenzene, 1,2-	528-29-0		
						Dinitrobenzene, 1,3-	99-65-0		
						Dinitrobenzene, 1,4-	100-25-4		
						Dinitrophenol, 2,4-	51-28-5		
						Dinitrotoluene Mixture, 2,4/2,6-	NA		
8.9E-05	C					Dinitrotoluene, 2,4-	121-14-2	1.4E-01	
						Dinitrotoluene, 2,6-	606-20-2		
						Dinitrotoluene, 2-Amino-4,6-	35572-78-2		
						Dinitrotoluene, 4-Amino-2,6-	19406-51-0		
						Dinitrotoluene, Technical grade	25321-14-6		
						Dinoseb	88-85-7		
5.0E-06	I	3.0E-02	I			Dioxane, 1,4-	123-91-1	2.5E+00	1.3E+02
						Dioxins			
1.3E+00	I					~Hexachlorodibenzo-p-dioxin, Mixture	NA	9.4E-06	
3.8E+01	C	4.0E-08	C			~TCDD, 2,3,7,8-	1746-01-6	3.2E-07	1.8E-04
						Diphenamid	957-51-7		
						Diphenyl Sulfone	127-63-9		
						Diphenylamine	122-39-4		
2.2E-04	I					Diphenylhydrazine, 1,2-	122-66-7	5.6E-02	
						Diquat	85-00-7		
2.1E-03	C					Direct Black 38	1937-37-7	5.8E-03	
2.1E-03	C					Direct Blue 6	2602-46-2	5.8E-03	
1.9E-03	C					Direct Brown 95	16071-86-6	6.5E-03	
						Disulfoton	298-04-4		
				V		Dithiane, 1,4-	505-29-3		
						Diuron	330-54-1		
						Dodine	2439-10-3		
				V		EPTC	759-94-4		
						Endosulfan	115-29-7		
						Endothall	145-73-3		
						Endrin	72-20-8		
1.2E-06	I	1.0E-03	I	V		Epichlorohydrin	106-89-8	1.0E+01	4.4E+00
		2.0E-02	I	V		Epoxybutane, 1,2-	106-88-7		8.8E+01
						Ethephon	16672-87-0		
						Ethion	563-12-2		
		6.0E-02	P			Ethoxyethanol Acetate, 2-	111-15-9		2.6E+02

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR (ug/m^3)$^{-1}$	key	RfC$_i$ (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
		2.0E-01	I			Ethoxyethanol, 2-	110-80-5		8.8E+02
		7.0E-02	P	V		Ethyl Acetate	141-78-6		3.1E+02
				V		Ethyl Acrylate	140-88-5		
		1.0E+01	I	V		Ethyl Chloride (Chloroethane)	75-00-3		4.4E+04
				V		Ethyl Ether	60-29-7		
		3.0E-01	P	V		Ethyl Methacrylate	97-63-2		1.3E+03
						Ethyl-p-nitrophenyl Phosphonate	2104-64-5		
2.5E-06	C	1.0E+00	I	V		Ethylbenzene	100-41-4	4.9E+00	4.4E+03
						Ethylene Cyanohydrin	109-78-4		
						Ethylene Diamine	107-15-3		
		4.0E-01	C			Ethylene Glycol	107-21-1		1.8E+03
		1.6E+00	I			Ethylene Glycol Monobutyl Ether	111-76-2		7.0E+03
8.8E-05	C	3.0E-02	C	V		Ethylene Oxide	75-21-8	1.4E-01	1.3E+02
1.3E-05	C					Ethylene Thiourea	96-45-7	9.4E-01	
1.9E-02	C			V		Ethyleneimine	151-56-4	6.5E-04	
						Ethylphthalyl Ethyl Glycolate	84-72-0		
						Express	101200-48-0		
						Fenamiphos	22224-92-6		
						Fenpropathrin	39515-41-8		
						Fluometuron	2164-17-2		
		1.3E-02	C			Fluoride	16984-48-8		5.7E+01
		1.3E-02	C			Fluorine (Soluble Fluoride)	7782-41-4		5.7E+01
						Fluridone	59756-60-4		
						Flurprimidol	56425-91-3		
						Flutolanil	66332-96-5		
						Fluvalinate	69409-94-5		
						Folpet	133-07-3		
						Fomesafen	72178-02-0		
						Fonofos	944-22-9		
1.3E-05	I	9.8E-03	A			Formaldehyde	50-00-0	9.4E-01	4.3E+01
		3.0E-04	X			Formic Acid	64-18-6		1.3E+00
						Fosetyl-AL	39148-24-8		
						Furans			
				V		~Dibenzofuran	132-64-9		
				V		~Furan	110-00-9		
		2.0E+00	I	V		~Tetrahydrofuran	109-99-9		8.8E+03
						Furazolidone	67-45-8		
		5.0E-02	H			Furfural	98-01-1		2.2E+02
4.3E-04	C					Furium	531-82-8	2.9E-02	
8.6E-06	C					Furmecyclox	60568-05-0	1.4E+00	
						Glufosinate, Ammonium	77182-82-2		
		8.0E-05	C			Glutaraldehyde	111-30-8		3.5E-01
		1.0E-03	H			Glycidyl	765-34-4		4.4E+00
						Glyphosate	1071-83-6		
						Goal	42874-03-3		
		1.0E-02	A			Guthion	86-50-0		4.4E+01
						Haloxyfop, Methyl-	69806-40-2		
						Harmony	79277-27-3		
1.3E-03	I					Heptachlor	76-44-8	9.4E-03	
2.6E-03	I					Heptachlor Epoxide	1024-57-3	4.7E-03	
						Hexabromobenzene	87-82-1		
						Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2		
4.6E-04	I					Hexachlorobenzene	118-74-1	2.7E-02	
2.2E-05	I					Hexachlorobutadiene	87-68-3	5.6E-01	
1.8E-03	I					Hexachlorocyclohexane, Alpha-	319-84-6	6.8E-03	
5.3E-04	I					Hexachlorocyclohexane, Beta-	319-85-7	2.3E-02	
3.1E-04	C					Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	4.0E-02	
5.1E-04	I					Hexachlorocyclohexane, Technical	608-73-1	2.4E-02	
		2.0E-04	I			Hexachlorocyclopentadiene	77-47-4		8.8E-01
1.1E-05	C	3.0E-02	I			Hexachloroethane	67-72-1	1.1E+00	1.3E+02
						Hexachlorophene	70-30-4		
						Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4		
		1.0E-05	I	V		Hexamethylene Diisocyanate, 1,6-	822-06-0		4.4E-02
						Hexamethylphosphoramide	680-31-9		
		7.0E-01	I	V		Hexane, N-	110-54-3		3.1E+03
						Hexanedioic Acid	124-04-9		
		3.0E-02	I	V		Hexanone, 2-	591-78-6		1.3E+02
						Hexazinone	51235-04-2		
4.9E-03	I	3.0E-05	P			Hydrazine	302-01-2	2.5E-03	1.3E-01
4.9E-03	I					Hydrazine Sulfate	10034-93-2	2.5E-03	
		2.0E-02	I			Hydrogen Chloride	7647-01-0		8.8E+01
		1.4E-02	C			Hydrogen Fluoride	7664-39-3		6.1E+01
		2.0E-03	I			Hydrogen Sulfide	7783-06-4		8.8E+00
						Hydroquinone	123-31-9		
						Imazalil	35554-44-0		

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Imazaquin	81335-37-7		
						Iodine	7553-56-2		
						Iprodione	36734-19-7		
						Iron	7439-89-6		
						Isobutyl Alcohol	78-83-1		
		2.0E+00	C			Isophorone	78-59-1		8.8E+03
						Isopropalin	33820-53-0		
		7.0E+00	C			Isopropanol	67-63-0		3.1E+04
						Isopropyl Methyl Phosphonic Acid	1832-54-8		
						Isoxaben	82558-50-7		
		3.0E-01	A	V		JP-7	NA		1.3E+03
						Kerb	23950-58-5		
						Lactofen	77501-63-4		
						Lead Compounds			
8.0E-05	C					~Lead acetate	301-04-2	1.5E-01	
						~Lead and Compounds	7439-92-1		
1.1E-05	C					~Lead subacetate	1335-32-6	1.1E+00	
						~Tetraethyl Lead	78-00-2		
						Linuron	330-55-2		
						Lithium	7439-93-2		
						Londax	83055-99-6		
						MCPA	94-74-6		
						MCPB	94-81-5		
						MCPP	93-65-2		
						Malathion	121-75-5		
		7.0E-04	C			Maleic Anhydride	108-31-6		3.1E+00
						Maleic Hydrazide	123-33-1		
						Malononitrile	109-77-3		
						Mancozeb	8018-01-7		
						Maneb	12427-38-2		
		5.0E-05	I			Manganese (Diet)	7439-96-5		
		5.0E-05	I			Manganese (Non-diet)	7439-96-5		2.2E-01
						Mephosfolan	950-10-7		
						Mepiquat Chloride	24307-26-4		
						Mercury Compounds			
		3.0E-04	S			~Mercuric Chloride (and other Mercury salts)	7487-94-7		1.3E+00
		3.0E-04	I	V		~Mercury (elemental)	7439-97-6		1.3E+00
						~Methyl Mercury	22967-92-6		
						~Phenylmercuric Acetate	62-38-4		
						Merphos	150-50-5		
						Merphos Oxide	78-48-8		
						Metalaxyl	57837-19-1		
		3.0E-02	P	V		Methacrylonitrile	126-98-7		1.3E+02
						Methamidophos	10265-92-6		
		2.0E+01	I			Methanol	67-56-1		8.8E+04
						Methidathion	950-37-8		
						Methomyl	16752-77-5		
1.4E-05	C					Methoxy-5-nitroaniline, 2-	99-59-2	8.8E-01	
						Methoxychlor	72-43-5		
		1.0E-03	P			Methoxyethanol Acetate, 2-	110-49-6		4.4E+00
		2.0E-02	I			Methoxyethanol, 2-	109-86-4		8.8E+01
				V		Methyl Acetate	79-20-9		
		2.0E-02	P	V		Methyl Acrylate	96-33-3		8.8E+01
		5.0E+00	I	V		Methyl Ethyl Ketone (2-Butanone)	78-93-3		2.2E+04
1.0E-03	X	2.0E-05	X			Methyl Hydrazine	60-34-4	1.2E-02	8.8E-02
		3.0E+00	I	V		Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1		1.3E+04
		1.0E-03	C	V		Methyl Isocyanate	624-83-9		4.4E+00
		7.0E-01	I	V		Methyl Methacrylate	80-62-6		3.1E+03
						Methyl Parathion	298-00-0		
						Methyl Phosphonic Acid	993-13-5		
		4.0E-02	H	V		Methyl Styrene (Mixed Isomers)	25013-15-4		1.8E+02
2.8E-05	C					Methyl methanesulfonate	66-27-3	4.4E-01	
2.6E-07	C	3.0E+00	I	V		Methyl tert-Butyl Ether (MTBE)	1634-04-4	4.7E+01	1.3E+04
						Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2		
						Methyl-5-Nitroaniline, 2-	99-55-8		
2.4E-03	C					Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	5.1E-03	
3.7E-05	C					Methylaniline Hydrochloride, 2-	636-21-5	3.3E-01	
						Methylarsonic acid	124-58-3		
						Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7		
						Methylbenzene-1,4-diamine sulfate, 2-	615-50-9		
6.3E-03	C				M	Methylcholanthrene, 3-	56-49-5	1.9E-03	
1.0E-08	I	6.0E-01	I	V	M	Methylene Chloride	75-09-2	1.2E+03	2.6E+03
4.3E-04	C				M	Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2.9E-02	
1.3E-05	C					Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	9.4E-01	
4.6E-04	C	2.0E-02	C			Methylenebisbenzenamine, 4,4'-	101-77-9	2.7E-02	8.8E+01

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
		6.0E-04	I			Methylenediphenyl Diisocyanate	101-68-8		2.6E+00
				V		Methylstyrene, Alpha-	98-83-9		
						Metolachlor	51218-45-2		
						Metribuzin	21087-64-9		
				V		Mineral oils	8012-95-1		
5.1E-03	C					Mirex	2385-85-5	2.4E-03	
						Molinate	2212-67-1		
						Molybdenum	7439-98-7		
						Monochloramine	10599-90-3		
						Monomethylaniline	100-61-8		
						N,N'-Diphenyl-1,4-benzenediamine	74-31-7		
						Naled	300-76-5		
		1.0E-01	P	V		Naphtha, High Flash Aromatic (HFAN)	64724-95-6		4.4E+02
0.0E+00	C					Naphthylamine, 2-	91-59-8		
						Napropamide	15299-99-7		
		1.4E-05	C			Nickel Carbonyl	13463-39-3		6.1E-02
		2.0E-05	C			Nickel Oxide	1313-99-1		8.8E-02
2.4E-04	I	1.4E-05	C			Nickel Refinery Dust	NA	5.1E-02	6.1E-02
2.6E-04	C	9.0E-05	A			Nickel Soluble Salts	7440-02-0	4.7E-02	3.9E-01
4.8E-04	I	1.4E-05	C			Nickel Subsulfide	12035-72-2	2.6E-02	6.1E-02
						Nitrate	14797-55-8		
						Nitrate + Nitrite (as N)	NA		
						Nitrite	14797-65-0		
		5.0E-05	X			Nitroaniline, 2-	88-74-4		2.2E-01
		6.0E-03	P			Nitroaniline, 4-	100-01-6		2.6E+01
4.0E-05	I	9.0E-03	I	V		Nitrobenzene	98-95-3	3.1E-01	3.9E+01
						Nitrocellulose	9004-70-0		
						Nitrofurantoin	67-20-9		
3.7E-04	C					Nitrofurazone	59-87-0	3.3E-02	
						Nitroglycerin	55-63-0		
						Nitroguanidine	556-88-7		
8.8E-06	P	5.0E-03	P	V		Nitromethane	75-52-5	1.4E+00	2.2E+01
2.7E-03	H	2.0E-02	I	V		Nitropropane, 2-	79-46-9	4.5E-03	8.8E+01
7.7E-03	C				M	Nitroso-N-ethylurea, N-	759-73-9	1.6E-03	
3.4E-02	C				M	Nitroso-N-methylurea, N-	684-93-5	3.6E-04	
1.6E-03	I			V		Nitroso-di-N-butylamine, N-	924-16-3	7.7E-03	
2.0E-03	C					Nitroso-di-N-propylamine, N-	621-64-7	6.1E-03	
8.0E-04	C					Nitrosodiethanolamine, N-	1116-54-7	1.5E-02	
4.3E-02	I				M	Nitrosodiethylamine, N-	55-18-5	2.9E-04	
1.4E-02	I	4.0E-05	X		M	Nitrosodimethylamine, N-	62-75-9	8.8E-04	1.8E-01
2.6E-06	C					Nitrosodiphenylamine, N-	86-30-6	4.7E+00	
6.3E-03	C					Nitrosomethylethylamine, N-	10595-95-6	1.9E-03	
1.9E-03	C					Nitrosomorpholine [N-]	59-89-2	6.5E-03	
2.7E-03	C					Nitrosopiperidine [N-]	100-75-4	4.5E-03	
6.1E-04	I					Nitrosopyrrolidine, N-	930-55-2	2.0E-02	
						Nitrotoluene, m-	99-08-1		
				V		Nitrotoluene, o-	88-72-2		
						Nitrotoluene, p-	99-99-0		
		2.0E-02	P	V		Nonane, n-	111-84-2		8.8E+01
						Norflurazon	27314-13-2		
						Nustar	85509-19-9		
						Octabromodiphenyl Ether	32536-52-0		
						Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0		
						Octamethylpyrophosphoramide	152-16-9		
						Oryzalin	19044-88-3		
						Oxadiazon	19666-30-9		
						Oxamyl	23135-22-0		
						Paclobutrazol	76738-62-0		
						Paraquat Dichloride	1910-42-5		
						Parathion	56-38-2		
						Pebulate	1114-71-2		
						Pendimethalin	40487-42-1		
						Pentabromodiphenyl Ether	32534-81-9		
						Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9		
						Pentachlorobenzene	608-93-5		
						Pentachloroethane	76-01-7		
						Pentachloronitrobenzene	82-68-8		
5.1E-06	C					Pentachlorophenol	87-86-5	2.4E+00	
						Pentaerythritol tetranitrate (PETN)	78-11-5		
		1.0E+00	P	V		Pentane, n-	109-66-0		4.4E+03
						Perchlorates			
						~Ammonium Perchlorate	7790-98-9		
						~Lithium Perchlorate	7791-03-9		
						~Perchlorate and Perchlorate Salts	14797-73-0		
						~Potassium Perchlorate	7778-74-7		

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						~Sodium Perchlorate	7601-89-0		
						Permethrin	52645-53-1		
6.3E-07	C					Phenacetin	62-44-2	1.9E+01	
						Phenmedipham	13684-63-4		
		2.0E-01	C			Phenol	108-95-2		8.8E+02
						Phenothiazine	92-84-2		
						Phenylenediamine, m-	108-45-2		
						Phenylenediamine, o-	95-54-5		
						Phenylenediamine, p-	106-50-3		
						Phenylphenol, 2-	90-43-7		
						Phorate	298-02-2		
		3.0E-04	I	V		Phosgene	75-44-5		1.3E+00
						Phosmet	732-11-6		
						Phosphates, Inorganic			
						~Aluminum metaphosphate	13776-88-0		
						~Ammonium polyphosphate	68333-79-9		
						~Calcium pyrophosphate	7790-76-3		
						~Diammonium phosphate	7783-28-0		
						~Dicalcium phosphate	7757-93-9		
						~Dimagnesium phosphate	7782-75-4		
						~Dipotassium phosphate	7758-11-4		
						~Disodium phosphate	7558-79-4		
						~Monoaluminum phosphate	13530-50-2		
						~Monoammonium phosphate	7722-76-1		
						~Monocalcium phosphate	7758-23-8		
						~Monomagnesium phosphate	7757-86-0		
						~Monopotassium phosphate	7778-77-0		
						~Monosodium phosphate	7558-80-7		
						~Polyphosphoric acid	8017-16-1		
						~Potassium tripolyphosphate	13845-36-8		
						~Sodium acid pyrophosphate	7758-16-9		
						~Sodium aluminum phosphate (acidic)	7785-88-8		
						~Sodium aluminum phosphate (anhydrous)	10279-59-1		
						~Sodium aluminum phosphate (tetrahydrate)	10305-76-7		
						~Sodium hexametaphosphate	10124-56-8		
						~Sodium polyphosphate	68915-31-1		
						~Sodium trimetaphosphate	7785-84-4		
						~Sodium tripolyphosphate	7758-29-4		
						~Tetrapotassium phosphate	7320-34-5		
						~Tetrasodium pyrophosphate	7722-88-5		
						~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5		
						~Tricalcium phosphate	7758-87-4		
						~Trimagnesium phosphate	7757-87-1		
						~Tripotassium phosphate	7778-53-2		
						~Trisodium phosphate	7601-54-9		
		3.0E-04	I			Phosphine	7803-51-2		1.3E+00
		1.0E-02	I			Phosphoric Acid	7664-38-2		4.4E+01
						Phosphorus, White	7723-14-0		
						Phthalates			
2.4E-06	C					~Bis(2-ethylhexyl)phthalate	117-81-7	5.1E+00	
						~Butylphthalyl Butylglycolate	85-70-1		
						~Dibutyl Phthalate	84-74-2		
						~Diethyl Phthalate	84-66-2		
				V		~Dimethylterephthalate	120-61-6		
						~Octyl Phthalate, di-N-	117-84-0		
						~Phthalic Acid, P-	100-21-0		
		2.0E-02	C			~Phthalic Anhydride	85-44-9		8.8E+01
						Picloram	1918-02-1		
						Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3		
						Pirimiphos, Methyl	29232-93-7		
8.6E-03	C					Polybrominated Biphenyls	59536-65-1	1.4E-03	
						Polychlorinated Biphenyls (PCBs)			
2.0E-05	S					~Aroclor 1016	12674-11-2	6.1E-01	
5.7E-04	S			V		~Aroclor 1221	11104-28-2	2.1E-02	
5.7E-04	S			V		~Aroclor 1232	11141-16-5	2.1E-02	
5.7E-04	S					~Aroclor 1242	53469-21-9	2.1E-02	
5.7E-04	S					~Aroclor 1248	12672-29-6	2.1E-02	
5.7E-04	S					~Aroclor 1254	11097-69-1	2.1E-02	
5.7E-04	S					~Aroclor 1260	11096-82-5	2.1E-02	
1.1E-03	E	1.3E-03	E			~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.1E-02	5.8E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.1E-02	5.8E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.1E-02	5.8E+00
1.1E-03	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.1E-02	5.8E+00
1.1E+00	E	1.3E-06	E			~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.1E-05	5.8E-03
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.1E-02	5.8E+00

TR=1E-06
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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.1E-02	5.8E+00
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.1E-02	5.8E+00
1.1E-03	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.1E-02	5.8E+00
3.8E+00	E	4.0E-07	E			~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	3.2E-06	1.8E-03
5.7E-04	I					~Polychlorinated Biphenyls (high risk)	1336-36-3	2.1E-02	
1.0E-04	I					~Polychlorinated Biphenyls (low risk)	1336-36-3	1.2E-01	
2.0E-05	I					~Polychlorinated Biphenyls (lowest risk)	1336-36-3	6.1E-01	
3.8E-03	E	4.0E-04	E			~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	3.2E-03	1.8E+00
1.1E-02	E	1.3E-04	E			~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.1E-03	5.8E-01
		6.0E-04	I			Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9		2.6E+00
						Polynuclear Aromatic Hydrocarbons (PAHs)			
				V		~Acenaphthene	83-32-9		
				V		~Anthracene	120-12-7		
1.1E-04	C				M	~Benz[a]anthracene	56-55-3	1.1E-01	
1.1E-04	C					~Benzo(j)fluoranthene	205-82-3	1.1E-01	
1.1E-03	C				M	~Benzo[a]pyrene	50-32-8	1.1E-02	
1.1E-04	C				M	~Benzo[b]fluoranthene	205-99-2	1.1E-01	
1.1E-04	C				M	~Benzo[k]fluoranthene	207-08-9	1.1E-01	
				V		~Chloronaphthalene, Beta-	91-58-7		
1.1E-05	C				M	~Chrysene	218-01-9	1.1E+00	
1.2E-03	C				M	~Dibenz[a,h]anthracene	53-70-3	1.0E-02	
1.1E-03	C					~Dibenzo(a,e)pyrene	192-65-4	1.1E-02	
7.1E-02	C				M	~Dimethylbenz(a)anthracene, 7,12-	57-97-6	1.7E-04	
						~Fluoranthene	206-44-0		
				V		~Fluorene	86-73-7		
1.1E-04	C				M	~Indeno[1,2,3-cd]pyrene	193-39-5	1.1E-01	
				V		~Methylnaphthalene, 1-	90-12-0		
				V		~Methylnaphthalene, 2-	91-57-6		
3.4E-05	C	3.0E-03	I	V		~Naphthalene	91-20-3	3.6E-01	1.3E+01
1.1E-04	C					~Nitropyrene, 4-	57835-92-4	1.1E-01	
				V		~Pyrene	129-00-0		
						Prochloraz	67747-09-5		
						Profluralin	26399-36-0		
						Prometon	1610-18-0		
						Prometryn	7287-19-6		
						Propachlor	1918-16-7		
						Propanil	709-98-8		
						Propargite	2312-35-8		
						Propargyl Alcohol	107-19-7		
						Propazine	139-40-2		
						Propham	122-42-9		
						Propiconazole	60207-90-1		
		8.0E-03	I	V		Propionaldehyde	123-38-6		3.5E+01
		1.0E+00	X	V		Propyl benzene	103-65-1		4.4E+03
		3.0E+00	C	V		Propylene	115-07-1		1.3E+04
						Propylene Glycol	57-55-6		
		2.7E-04	A			Propylene Glycol Dinitrate	6423-43-4		1.2E+00
						Propylene Glycol Monoethyl Ether	1569-02-4		
		2.0E+00	I			Propylene Glycol Monomethyl Ether	107-98-2		8.8E+03
3.7E-06	I	3.0E-02	I	V		Propylene Oxide	75-56-9	3.3E+00	1.3E+02
						Pursuit	81335-77-5		
						Pydrin	51630-58-1		
				V		Pyridine	110-86-1		
						Quinalphos	13593-03-8		
						Quinoline	91-22-5		
		3.0E-02	A			Refractory Ceramic Fibers	NA		1.3E+02
						Resmethrin	10453-86-8		
						Ronnel	299-84-3		
						Rotenone	83-79-4		
6.3E-05	C				M	Safrole	94-59-7	1.9E-01	
						Savey	78587-05-0		
						Selenious Acid	7783-00-8		
		2.0E-02	C			Selenium	7782-49-2		8.8E+01
		2.0E-02	C			Selenium Sulfide	7446-34-6		8.8E+01
						Sethoxydim	74051-80-2		
		3.0E-03	C			Silica (crystalline, respirable)	7631-86-9		1.3E+01
						Silver	7440-22-4		
						Simazine	122-34-9		
						Sodium Acifluorfen	62476-59-9		
						Sodium Azide	26628-22-8		
						Sodium Diethyldithiocarbamate	148-18-5		
		1.3E-02	C			Sodium Fluoride	7681-49-4		5.7E+01
						Sodium Fluoroacetate	62-74-8		
						Sodium Metavanadate	13718-26-8		
						Stirofos (Tetrachlorovinphos)	961-11-5		

R=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Strontium, Stable	7440-24-6		
						Strychnine	57-24-9		
		1.0E+00	I	V		Styrene	100-42-5		4.4E+03
		2.0E-03	P			Sulfolane	126-33-0		8.8E+00
						Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9		
		1.0E-03	C			Sulfuric Acid	7664-93-9		4.4E+00
						Systhane	88671-89-0		
						TCMTB	21564-17-0		
						Tebuthiuron	34014-18-1		
						Temephos	3383-96-8		
						Terbacil	5902-51-2		
						Terbufos	13071-79-9		
						Terbutryn	886-50-0		
						Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1		
						Tetrachlorobenzene, 1,2,4,5-	95-94-3		
7.4E-06	I			V		Tetrachloroethane, 1,1,1,2-	630-20-6	1.7E+00	
5.8E-05	C			V		Tetrachloroethane, 1,1,2,2-	79-34-5	2.1E-01	
2.6E-07	I	4.0E-02	I	V		Tetrachloroethylene	127-18-4	4.7E+01	1.8E+02
						Tetrachlorophenol, 2,3,4,6-	58-90-2		
						Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1		
						Tetraethyl Dithiopyrophosphate	3689-24-5		
		8.0E+01	I	V		Tetrafluoroethane, 1,1,1,2-	811-97-2		3.5E+05
						Tetryl (Trinitrophenylmethylnitramine)	479-45-8		
						Thallium (I) Nitrate	10102-45-1		
						Thallium (Soluble Salts)	7440-28-0		
						Thallium Acetate	563-68-8		
						Thallium Carbonate	6533-73-9		
						Thallium Chloride	7791-12-0		
						Thallium Sulfate	7446-18-6		
						Thiobencarb	28249-77-6		
						Thiodiglycol	111-48-8		
						Thiofanox	39196-18-4		
						Thiophanate, Methyl	23564-05-8		
						Thiram	137-26-8		
						Tin	7440-31-5		
		1.0E-04	A			Titanium Tetrachloride	7550-45-0		4.4E-01
		5.0E+00	I	V		Toluene	108-88-3		2.2E+04
						Toluene-2,5-diamine	95-70-5		
						Toluidine, p-	106-49-0		
						Total Petroleum Hydrocarbons (Aliphatic High)	NA		
1.9E-07	P	6.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Low)	NA	6.5E+01	2.6E+03
4.5E-06	P	1.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Medium)	NA	2.7E+00	4.4E+02
						Total Petroleum Hydrocarbons (Aromatic High)	NA		
7.8E-06	P	3.0E-02	P	V		Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.6E+00	1.3E+02
		3.0E-03	P	V		Total Petroleum Hydrocarbons (Aromatic Medium)	NA		1.3E+01
3.2E-04	I					Toxaphene	8001-35-2	3.8E-02	
						Tralomethrin	66841-25-6		
						Tri-n-butyltin	688-73-3		
						Triacetin	102-76-1		
						Triallate	2303-17-5		
						Triasulfuron	82097-50-5		
						Tribromobenzene, 1,2,4-	615-54-3		
						Tributyl Phosphate	126-73-8		
						Tributyltin Compounds	NA		
						Tributyltin Oxide	56-35-9		
		3.0E+01	H	V		Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1		1.3E+05
						Trichloroacetic Acid	76-03-9		
						Trichloroaniline HCl, 2,4,6-	33663-50-2		
						Trichloroaniline, 2,4,6-	634-93-5		
				V		Trichlorobenzene, 1,2,3-	87-61-6		
		2.0E-03	P	V		Trichlorobenzene, 1,2,4-	120-82-1		8.8E+00
		5.0E+00	I	V		Trichloroethane, 1,1,1-	71-55-6		2.2E+04
1.6E-05	I	2.0E-04	X	V		Trichloroethane, 1,1,2-	79-00-5	7.7E-01	8.8E-01
4.1E-06	I	2.0E-03	I	V	M	Trichloroethylene	79-01-6	3.0E+00	8.8E+00
		7.0E-01	H	V		Trichlorofluoromethane	75-69-4		3.1E+03
						Trichlorophenol, 2,4,5-	95-95-4		
3.1E-06	I					Trichlorophenol, 2,4,6-	88-06-2	4.0E+00	
						Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5		
						Trichlorophenoxypropionic acid, -2,4,5	93-72-1		
				V		Trichloropropane, 1,1,2-	598-77-6		
		3.0E-04	I	V	M	Trichloropropane, 1,2,3-	96-18-4		1.3E+00
		3.0E-04	P	V		Trichloropropene, 1,2,3-	96-19-5		1.3E+00
						Tricresyl Phosphate (TCP)	1330-78-5		
						Tridiphane	58138-08-2		
		7.0E-03	I	V		Triethylamine	121-44-8		3.1E+01

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific						Contaminant		Carcinogenic Target Risk (TR) = 1E-06	Noncancer Hazard Index (HI) = 1
IUR $(ug/m^3)^{-1}$	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Carcinogenic SL TR=1.0E-6 (ug/m^3)	Noncarcinogenic SL HI=1 (ug/m^3)
						Trifluralin	1582-09-8		
						Trimethyl Phosphate	512-56-1		
		5.0E-03	P	V		Trimethylbenzene, 1,2,3-	526-73-8		2.2E+01
		7.0E-03	P	V		Trimethylbenzene, 1,2,4-	95-63-6		3.1E+01
				V		Trimethylbenzene, 1,3,5-	108-67-8		
						Trinitrobenzene, 1,3,5-	99-35-4		
						Trinitrotoluene, 2,4,6-	118-96-7		
						Triphenylphosphine Oxide	791-28-6		
						Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8		
						Tris(1-chloro-2-propyl)phosphate	13674-84-5		
						Tris(2-chloroethyl)phosphate	115-96-8		
						Tris(2-ethylhexyl)phosphate	78-42-2		
		4.0E-05	A			Uranium (Soluble Salts)	NA		1.8E-01
2.9E-04	C				M	Urethane	51-79-6	4.2E-02	
8.3E-03	P	7.0E-06	P			Vanadium Pentoxide	1314-62-1	1.5E-03	3.1E-02
		1.0E-04	A			Vanadium and Compounds	7440-62-2		4.4E-01
						Vernolate	1929-77-7		
						Vinclozolin	50471-44-8		
		2.0E-01	I	V		Vinyl Acetate	108-05-4		8.8E+02
3.2E-05	H	3.0E-03	I	V		Vinyl Bromide	593-60-2	3.8E-01	1.3E+01
4.4E-06	I	1.0E-01	I	V	M	Vinyl Chloride	75-01-4	2.8E+00	4.4E+02
						Warfarin	81-81-2		
		1.0E-01	S	V		Xylene, P-	106-42-3		4.4E+02
		1.0E-01	S	V		Xylene, m-	108-38-3		4.4E+02
		1.0E-01	S	V		Xylene, o-	95-47-6		4.4E+02
		1.0E-01	I	V		Xylenes	1330-20-7		4.4E+02
						Zinc Phosphide	1314-84-7		
						Zinc and Compounds	7440-66-6		
						Zineb	12122-67-7		
						Zirconium	7440-67-7		

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vo c	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
1.8E-02	C	5.1E-06	C	1.5E-01	I					1	-1.5	1	Yes	ALAR	1596-84-5	3.7E+00	1.1E+04		3.7E+00	2.3E+03	7.1E+06		2.3E+03	
8.7E-03	I			4.0E-03	I					1	-0.85	1	Yes	Acephate	30560-19-1	7.7E+00	1.0E+04		7.7E+00	6.3E+01	8.1E+04		6.3E+01	
		2.2E-06	I			9.0E-03	I	V		1	-0.34	1	Yes	Acetaldehyde	75-07-0			2.2E+00	2.2E+00			1.9E+01	1.9E+01	
				2.0E-02	I					1	3.03	0.9	Yes	Acetochlor	34256-82-1					3.1E+02	2.1E+03		2.7E+02	
				9.0E-01	I	3.1E+01	A	V		1	-0.24	1	Yes	Acetone	67-64-1					1.4E+04	2.9E+06	6.4E+04	1.2E+04	
						2.0E-03	X	V		1	-0.03	1	Yes	Acetone Cyanohydrin	75-86-5							4.2E+00	4.2E+00	
						6.0E-02	I	V		1	-0.34	1	Yes	Acetonitrile	75-05-8							1.3E+02	1.3E+02	
				1.0E-01	I			V		1	1.58	1	Yes	Acetophenone	98-86-2					1.6E+03	3.3E+04		1.5E+03	
3.8E+00	C	1.3E-03	C							1	3.12	1	Yes	Acetylaminofluorene, 2-	53-96-3	1.8E-02	5.7E-02		1.3E-02					
				5.0E-04	I	2.0E-05	I	V		1	-0.01	1	Yes	Acrolein	107-02-8					7.8E+00	1.1E+03	4.2E-02	4.1E-02	
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	1	-0.67	1	Yes	Acrylamide	79-06-1	4.3E-02	2.2E+01		4.3E-02	3.1E+01	1.4E+04		3.1E+01	
				5.0E-01	I	1.0E-03	I			1	0.35	1	Yes	Acrylic Acid	79-10-7					7.8E+03	7.4E+05		7.7E+03	
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		1	0.25	1	Yes	Acrylonitrile	107-13-1	1.2E-01	1.2E+01	7.2E-02	4.5E-02	6.3E+02	5.8E+04	4.2E+00	4.1E+00	
						6.0E-03	P			1	-0.32	1	Yes	Adiponitrile	111-69-3									
5.6E-02	C			1.0E-02	I					1	3.52	0.9	Yes	Alachlor	15972-60-8	1.2E+00	3.8E+00		9.1E-01	1.6E+02	4.9E+02		1.2E+02	2.0E+00
				1.0E-03	I					1	1.13	1	Yes	Aldicarb	116-06-3					1.6E+01	1.0E+03		1.5E+01	3.0E+00
				1.0E-03	I					1	-0.57	1	Yes	Aldicarb Sulfone	1646-88-4					1.6E+01	1.7E+04		1.6E+01	2.0E+00
										1	-0.78	1	Yes	Aldicarb sulfoxide	1646-87-3									4.0E+00
1.7E+01	I	4.9E-03	I	3.0E-05	I					1	6.5	1	No	Aldrin	309-00-2	4.0E-03			4.0E-03	4.7E-01			4.7E-01	
				2.5E-01	I					1	2.2	1	Yes	Ally	74223-64-6					3.9E+03	1.7E+05		3.8E+03	
				5.0E-03	I	1.0E-04	X			1	0.17	1	Yes	Allyl Alcohol	107-18-6					7.8E+01	8.6E+03		7.8E+01	
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		1	1.93	1	Yes	Allyl Chloride	107-05-1	3.2E+00	2.9E+01	8.1E-01	6.3E-01			2.1E+00	2.1E+00	
				1.0E+00	P	5.0E-03	P			1		1	Yes	Aluminum	7429-90-5					1.6E+04	2.4E+06		1.6E+04	
				4.0E-04	I					1		1	Yes	Aluminum Phosphide	20859-73-8					6.3E+00	9.5E+02		6.2E+00	
				3.0E-04	I					1	2.31	1	Yes	Ametro	67485-29-4					4.7E+00	3.6E+02		4.6E+00	
				9.0E-03	I					1	2.98	1	Yes	Ametryn	834-12-8					1.4E+02	6.9E+02		1.2E+02	
2.1E+01	C	6.0E-03	C							1	2.86	1	Yes	Aminobiphenyl, 4-	92-67-1	3.2E-03	1.3E-02		2.6E-03					
				8.0E-02	P					1	0.21	1	Yes	Aminophenol, m-	591-27-5					1.3E+03	2.0E+05		1.2E+03	
				2.0E-02	P					1	0.04	1	Yes	Aminophenol, p-	123-30-8					3.1E+02	6.4E+04		3.1E+02	
				2.5E-03	I					1	5.5	0.9	Yes	Amitraz	33089-61-1					3.9E+01	6.9E+00		5.9E+00	
						1.0E-01	I			1				Ammonia	7664-41-7									
				2.0E-01	I					1		1	Yes	Ammonium Sulfamate	7773-06-0					3.1E+03	4.7E+05		3.1E+03	
						3.0E-03	X	V		1	0.89	1	Yes	Amyl Alcohol, tert-	75-85-4							6.3E+00	6.3E+00	
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			1	0.9	1	Yes	Aniline	62-53-3	1.2E+01	5.9E+02		1.2E+01	1.1E+02	5.3E+03		1.1E+02	
4.0E-02	P			2.0E-03	X					1	3.39	0.9	Yes	Anthraquinone, 9,10-	84-65-1	1.7E+00	4.3E+00		1.2E+00	3.1E+01	8.1E+01		2.3E+01	
				4.0E-04	I					0.15		1	Yes	Antimony (metallic)	7440-36-0					6.3E+00	1.4E+02		6.0E+00	6.0E+00
				5.0E-04	H					0.15		1	Yes	Antimony Pentoxide	1314-60-9					7.8E+00	1.8E+02		7.5E+00	
				9.0E-04	H					0.15		0.9	Yes	Antimony Potassium Tartrate	11071-15-1					1.4E+01	3.2E+02		1.3E+01	
				4.0E-04	H					0.15		1	Yes	Antimony Tetroxide	1332-81-6					6.3E+00	1.4E+02		6.0E+00	
						2.0E-04	I			0.15		1	Yes	Antimony Trioxide	1309-64-4									
				1.3E-02	I					1	3.1	0.9	Yes	Apollo	74115-24-5					2.0E+02	1.5E+03		1.8E+02	
2.5E-02	I	7.1E-06	I	5.0E-02	H					1	4.82	0.8	Yes	Aramite	140-57-8	2.7E+00	2.0E+00		1.1E+00	7.8E+02	5.8E+02		3.3E+02	
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			1		1	Yes	Arsenic, Inorganic	7440-38-2	4.5E-02	8.3E+00		4.5E-02	4.7E+00	7.1E+02		4.7E+00	1.0E+01
				3.5E-06	C	5.0E-05	I			1		1	Yes	Arsine	7784-42-1					5.5E-02	8.3E+00		5.4E-02	
				9.0E-03	I					1	4.28	0.9	Yes	Assure	76578-14-8					1.4E+02	2.7E+02		9.3E+01	
				5.0E-02	I					1	-0.27	1	Yes	Asulam	3337-71-1					7.8E+02	5.7E+05		7.8E+02	
2.3E-01	C			3.5E-02	I					1	2.61	1	Yes	Atrazine	1912-24-9	2.9E-01	2.3E+00		2.6E-01	5.5E+02	4.4E+03		4.9E+02	3.0E+00
8.8E-01	C	2.5E-04	C							1	2.98	0.9	Yes	Auramine	492-80-8	7.6E-02	2.3E-01		5.7E-02					
				4.0E-04	I					1	4.48	1	No	Avermectin B1	65195-55-3					6.3E+00			6.3E+00	
1.1E-01	I	3.1E-05	I					V		1	3.82	1	Yes	Azobenzene	103-33-3	6.1E-01	6.2E-01	1.6E-01	1.0E-01					
				2.0E-01	I	5.0E-04	H			0.07		1	Yes	Barium	7440-39-3					3.1E+03	3.3E+04		2.9E+03	2.0E+03
				4.0E-03	I					1	1.52	1	Yes	Baygon	114-26-1					6.3E+01	2.6E+03		6.1E+01	
				3.0E-02	I					1	2.77	1	Yes	Bayleton	43121-43-3					4.7E+02	4.9E+03		4.3E+02	
				2.5E-02	I					1	5.95	0.7	Yes	Baythroid	68359-37-5					3.9E+02	1.1E+02		8.7E+01	
				3.0E-01	I					1	5.29	0.8	Yes	Benefin	1861-40-1					4.7E+03	1.7E+03		1.2E+03	
				5.0E-02	I					1	2.12	1	Yes	Benomyl	17804-35-2					7.8E+02	2.2E+04		7.5E+02	
				3.0E-02	I					1	2.34	1	Yes	Bentazon	25057-89-0					4.7E+02	6.7E+03		4.4E+02	
				1.0E-01	I			V		1	1.48	1	Yes	Benzaldehyde	100-52-7					1.6E+03	3.4E+04		1.5E+03	
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		1	2.13	1	Yes	Benzene	71-43-2	1.2E+00	8.4E+00	6.2E-01	3.9E-01	6.3E+01	4.1E+02	6.3E+01	2.9E+01	5.0E+00
1.0E-01	X			3.0E-04	X					1	-3.727	1	No	Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	6.7E-01			6.7E-01	4.7E+00			4.7E+00	
				1.0E-03	P			V		1	2.52	1	Yes	Benzenethiol	108-98-5					1.6E+01	7.3E+01		1.3E+01	
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	1	1.34	1	Yes	Benzidine	92-87-5	9.4E-05	4.6E-03		9.2E-05	4.7E+01	2.1E+03		4.6E+01	
				4.0E+00	I					1	1.87	1	Yes	Benzoic Acid	65-85-0					6.3E+04	8.5E+05		5.8E+04	
1.3E+01	I							V		1	3.9	1	Yes	Benzotrichloride	98-07-7	5.2E-03	5.1E-03		2.6E-03					
				1.0E-01	P					1	1.1	1	Yes	Benzyl Alcohol	100-51-6					1.6E+03	6.3E+04		1.5E+03	

HQ=1E-06
HI=1E-06

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		1	2.3	1	Yes	Benzyl Chloride	100-44-7	4.0E-01	2.9E+00	9.9E-02	7.7E-02	3.1E+01	2.3E+02	2.1E+00	1.9E+00	
		2.4E-03	I	2.0E-03	I	2.0E-05	I			0.007		1	Yes	Beryllium and compounds	7440-41-7					3.1E+01	3.3E+01		1.6E+01	4.0E+00
				1.0E-04	I					1	0	1	Yes	Bidrin	141-66-2					1.6E+00	7.8E+02		1.6E+00	
				9.0E-03	P					1	4.48	0.9	Yes	Bifenox	42576-02-3					1.4E+02	1.6E+02		7.5E+01	
				1.5E-02	I					1	8.15	0	No	Biphenthrin	82657-04-3					2.3E+02			2.3E+02	
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		1	3.98	1	Yes	Biphenyl, 1,1'-	92-52-4	8.4E+00	5.6E+00		3.3E+00	7.8E+03	5.2E+03	8.3E-01	8.3E-01	
7.0E-02	H	1.0E-05	H	4.0E-02	I			V		1	2.48	1	Yes	Bis(2-chloro-1-methylethyl) ether	108-60-1	9.6E-01	7.0E+00	4.9E-01	3.1E-01	6.3E+02	4.6E+03		5.5E+02	
				3.0E-03	P					1	1.3	1	Yes	Bis(2-chloroethoxy)methane	111-91-1					4.7E+01	2.1E+03		4.6E+01	
1.1E+00	I	3.3E-04	I					V		1	1.29	1	Yes	Bis(2-chloroethyl)ether	111-44-4	6.1E-02	2.3E+00	1.5E-02	1.2E-02					
2.2E+02	I	6.2E-02	I					V		1	0.57	1	Yes	Bis(chloromethyl)ether	542-88-1	3.1E-04	2.9E-02	7.8E-05	6.2E-05					
				5.0E-02	I					1	3.32	1	Yes	Bisphenol A	80-05-7					7.8E+02	2.3E+03		5.8E+02	
				2.0E-01	I	2.0E-02	H			1		1	Yes	Boron And Borates Only	7440-42-8					3.1E+03	4.7E+05		3.1E+03	
				2.0E+00	P	2.0E-02	P			1		1	Yes	Boron Trichloride	10294-34-5					3.1E+04	4.7E+06		3.1E+04	
				4.0E-02	C	1.3E-02	C			1		1	Yes	Boron Trifluoride	7637-07-2					6.3E+02	9.5E+04		6.2E+02	
7.0E-01	I			4.0E-03	I					1		1	Yes	Bromate	15541-45-4	9.6E-02	1.8E+01		9.6E-02	6.3E+01	9.5E+03		6.2E+01	1.0E+01
2.0E+00	X	6.0E-04	X					V		1	1.92	1	Yes	Bromo-2-chloroethane, 1-	107-04-0	3.4E-02	4.8E-01	8.1E-03	6.4E-03					
				8.0E-03	I	6.0E-02	I	V		1	2.99	1	Yes	Bromobenzene	108-86-1					1.3E+02	3.8E+02	1.3E+02	5.4E+01	
						4.0E-02	X	V		1	1.41	1	Yes	Bromochloromethane	74-97-5							8.3E+01	8.3E+01	
6.2E-02	I	3.7E-05	C	2.0E-02	I			V		1	2	1	Yes	Bromodichloromethane	75-27-4	1.1E+00	1.6E+01	1.3E-01	1.2E-01	3.1E+02	4.6E+03		2.9E+02	8.0E+01(F)
7.9E-03	I	1.1E-06	I	2.0E-02	I					1	2.4	1	Yes	Bromoform	75-25-2	8.5E+00	1.2E+02		7.9E+00	3.1E+02	4.4E+03		2.9E+02	8.0E+01(F)
				1.4E-03	I	5.0E-03	I	V		1	1.19	1	Yes	Bromomethane	74-83-9					2.2E+01	6.8E+02	1.0E+01	7.0E+00	
				5.0E-03	H					1	5.21	0.8	Yes	*Bromophos*	2104-96-3					7.8E+01	3.9E+01		2.6E+01	
				2.0E-02	I					1	3.39	0.9	Yes	Bromoxynil	1689-84-5					3.1E+02	1.3E+03		2.5E+02	
				2.0E-02	I					1	5.4	0.8	Yes	Bromoxynil Octanoate	1689-99-2					3.1E+02	1.5E+02		1.0E+02	
3.4E+00	C	3.0E-05	I			2.0E-03	I	V		1	1.99	1	Yes	Butadiene, 1,3-	106-99-0	2.0E-02	1.4E-01	1.6E-01	1.6E-02			4.2E+00	4.2E+00	
				1.0E-01	I					1	0.88	1	Yes	Butanol, N-	71-36-3					1.6E+03	6.6E+04		1.5E+03	
1.9E-03	P			2.0E-01	I					1	4.73	0.9	Yes	Butyl Benzyl Phthlate	85-68-7	3.5E+01	2.3E+01		1.4E+01	3.1E+03	2.0E+03		1.2E+03	
				2.0E+00	P	3.0E+01	P			1	0.61	1	Yes	Butyl alcohol, sec-	78-92-2					3.1E+04	2.0E+06		3.1E+04	
				5.0E-02	I					1	4.15	1	Yes	Butylate	2008-41-5					7.8E+02	6.0E+02		3.4E+02	
2.0E-04	C	5.7E-08	C							1	3.5	1	Yes	Butylated hydroxyanisole	25013-16-5	3.4E+02	5.5E+02		2.1E+02					
3.6E-03	P			3.0E-01	P					1	5.1	1	Yes	Butylated hydroxytoluene	128-37-0	1.9E+01	3.4E+00		2.9E+00	4.7E+03	8.6E+02		7.3E+02	
				5.0E-02	P			V		1	4.38	1	No	Butylbenzene, n-	104-51-8					7.8E+02			7.8E+02	
				1.0E-01	X			V		1	4.57	1	No	Butylbenzene, sec-	135-98-8					1.6E+03			1.6E+03	
				1.0E-01	X			V		1	4.11	1	Yes	Butylbenzene, tert-	98-06-6					1.6E+03	7.5E+02		5.1E+02	
				2.0E-02	A					1	0.365	1	Yes	Cacodylic Acid	75-60-5					3.1E+02	4.7E+04		3.1E+02	
		1.8E-03	I	1.0E-03	I	1.0E-05	A			0.025				Cadmium (Diet)	7440-43-9									
		1.8E-03	I	5.0E-04	I	1.0E-05	A			0.05		1	Yes	Cadmium (Water)	7440-43-9					7.8E+00	5.9E+01		6.9E+00	5.0E+00
				5.0E-01	I	2.2E-03	C			1	-0.19	1	Yes	Caprolactam	105-60-2					7.8E+03	6.4E+05		7.7E+03	
1.5E-01	C	4.3E-05	C	2.0E-03	I					1	3.8	0.9	Yes	Captafol	2425-06-1	4.5E-01	1.5E+00		3.5E-01	3.1E+01	1.1E+02		2.4E+01	
2.3E-03	C	6.6E-07	C	1.3E-01	I					1	2.8	1	Yes	Captan	133-06-2	2.9E+01	3.0E+02		2.7E+01	2.0E+03	2.1E+04		1.9E+03	
				1.0E-01	I					1	2.36	1	Yes	Carbaryl	63-25-2					1.6E+03	1.7E+04		1.4E+03	
				5.0E-03	I					1	2.32	1	Yes	Carbofuran	1563-66-2					7.8E+01	1.0E+03		7.3E+01	4.0E+01
				1.0E-01	I	7.0E-01	I	V		1	1.94	1	Yes	Carbon Disulfide	75-15-0					1.6E+03	1.3E+04	1.5E+03	7.2E+02	
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		1	2.83	1	Yes	Carbon Tetrachloride	56-23-5	9.6E-01	3.7E+00	8.1E-01	3.9E-01	6.3E+01	2.4E+02	2.1E+02	4.0E+01	5.0E+00
				1.0E-02	I					1	5.57	0.8	Yes	Carbosulfan	55285-14-8					1.6E+02	4.9E+01		3.7E+01	
				1.0E-01	I					1	2.14	1	Yes	Carboxin	5234-68-4					1.6E+03	2.9E+04		1.5E+03	
						9.0E-04	I			1		1	Yes	Ceric oxide	1306-38-3									
				1.0E-01	I					1	0.99	1	Yes	Chloral Hydrate	302-17-0					1.6E+03	1.1E+05		1.5E+03	
				1.5E-02	I					1	1.9	1	Yes	Chloramben	133-90-4					2.3E+02	5.2E+03		2.2E+02	
4.0E-01	H									1	2.22	1	Yes	Chloranil	118-75-2	1.7E-01	3.0E+00		1.6E-01					
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			1	6.22	0.7	No	Chlordane	12789-03-6	1.9E-01			1.9E-01	7.8E+00			7.8E+00	2.0E+00
1.0E+01	I	4.6E-03	C	3.0E-04	I					1	5.41	0.8	Yes	Chlordecone (Kepone)	143-50-0	6.7E-03	5.5E-03		3.0E-03	4.7E+00	3.8E+00		2.1E+00	
				7.0E-04	A					1	3.81	0.9	Yes	Chlorfenvinphos	470-90-6					1.1E+01	4.0E+01		8.6E+00	
				2.0E-02	I					1	2.5	1	Yes	Chlorimuron, Ethyl-	90982-32-4					3.1E+02	1.1E+04		3.0E+02	
				1.0E-01	I	1.5E-04	A			1		1	Yes	Chlorine	7782-50-5					1.6E+03	2.4E+05		1.6E+03	
				3.0E-02	I	2.0E-04	I			1		1	Yes	Chlorine Dioxide	10049-04-4					4.7E+02	7.1E+04		4.7E+02	
				3.0E-02	I					1		1	Yes	Chlorite (Sodium Salt)	7758-19-2					4.7E+02	7.1E+04		4.7E+02	1.0E+03
						5.0E+01	I	V		1	2.05	1	Yes	Chloro-1,1-difluoroethane, 1-	75-68-3							1.0E+05	1.0E+05	
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		1	2.5253	1	Yes	Chloro-1,3-butadiene, 2-	126-99-8			1.6E-02	1.6E-02	3.1E+02	1.2E+03	4.2E+01	3.6E+01	
4.6E-01	H									1	-1.42	1	Yes	Chloro-2-methylaniline HCl, 4-	3165-93-3	1.5E-01	4.3E+02		1.5E-01					
1.0E-01	P	7.7E-05	C	3.0E-03	X					1	2.27	1	Yes	Chloro-2-methylaniline, 4-	95-69-2	6.7E-01	5.6E+00		6.0E-01	4.7E+01	3.9E+02		4.2E+01	
2.7E-01	X							V		1	0.09	1	Yes	Chloroacetaldehyde, 2-	107-20-0	2.5E-01	3.9E+01		2.5E-01					
				2.0E-03	H					1	0.22	1	Yes	Chloroacetic Acid	79-11-8					3.1E+01	4.3E+03		3.1E+01	6.0E+01
						3.0E-05	I			1	1.93	1	Yes	Chloroacetophenone, 2-	532-27-4									
2.0E-01	P			4.0E-03	I					1	1.83	1	Yes	Chloroaniline, p-	106-47-8	3.4E-01	5.0E+00		3.2E-01	6.3E+01	9.4E+02		5.9E+01	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
				2.0E-02	I	5.0E-02	P	V		1	2.84	1	Yes	Chlorobenzene	108-90-7					3.1E+02	9.1E+02	1.0E+02	7.2E+01	1.0E+02
1.1E-01	C	3.1E-05	C	2.0E-02	I					1	4.74	0.8	Yes	Chlorobenzilate	510-15-6	6.1E-01	4.8E-01		2.7E-01	3.1E+02	2.5E+02		1.4E+02	
				3.0E-02	X					1	2.65	1	Yes	Chlorobenzoic Acid, p-	74-11-3					4.7E+02	2.4E+03		3.9E+02	
				3.0E-03	P	3.0E-01	P	V		1	3.6	1	Yes	Chlorobenzotrifluoride, 4-	98-56-6					4.7E+01	6.6E+01	6.3E+02	2.6E+01	
				4.0E-02	P			V		1	2.64	1	Yes	Chlorobutane, 1-	109-69-3					6.3E+02	2.1E+03		4.8E+02	
						5.0E+01	I	V		1	1.08	1	Yes	Chlorodifluoromethane	75-45-6							1.0E+05	1.0E+05	
				2.0E-02	P					1	0.03	1	Yes	Chloroethanol, 2-	107-07-3					3.1E+02	5.1E+04		3.1E+02	
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		1	1.97	1	Yes	Chloroform	67-66-3	2.2E+00	2.5E+01	2.1E-01	1.9E-01	1.6E+02	1.8E+03	2.0E+02	8.4E+01	8.0E+01(F)
						9.0E-02	I	V		1	0.91	1	Yes	Chloromethane	74-87-3							1.9E+02	1.9E+02	
2.4E+00	C	6.9E-04	C					V		1	0.32	1	Yes	Chloromethyl Methyl Ether	107-30-2	2.8E-02	3.1E+00	7.1E-03	5.6E-03					
3.0E-01	P			3.0E-03	P	1.0E-05	X			1	2.24	1	Yes	Chloronitrobenzene, o-	88-73-3	2.2E-01	2.2E+00		2.0E-01	4.7E+01	4.6E+02		4.3E+01	
6.3E-03	P			1.0E-03	P	6.0E-04	P			1	2.39	1	Yes	Chloronitrobenzene, p-	100-00-5	1.1E+01	8.2E+01		9.4E+00	1.6E+01	1.2E+02		1.4E+01	
				5.0E-03	I			V		1	2.15	1	Yes	Chlorophenol, 2-	95-57-8					7.8E+01	7.2E+02		7.1E+01	
						4.0E-04	C	V		1	2.09	1	Yes	Chloropicrin	76-06-2							8.3E-01	8.3E-01	
3.1E-03	C	8.9E-07	C	1.5E-02	I					1	3.05	0.9	Yes	Chlorothalonil	1897-45-6	2.2E+01	1.4E+02		1.9E+01	2.3E+02	1.5E+03		2.0E+02	
				2.0E-02	I			V		1	3.42	1	Yes	Chlorotoluene, o-	95-49-8					3.1E+02	4.1E+02		1.8E+02	
				2.0E-02	X			V		1	3.33	1	Yes	Chlorotoluene, p-	106-43-4					3.1E+02	4.7E+02		1.9E+02	
2.4E+02	C	6.9E-02	C							1	-1.02	1	Yes	Chlorozotocin	54749-90-5	2.8E-04	6.3E-01		2.8E-04					
				2.0E-01	I					1	3.51	0.9	Yes	Chlorpropham	101-21-3					3.1E+03	7.0E+03		2.2E+03	
				1.0E-03	A					1	4.96	0.8	Yes	Chlorpyrifos	2921-88-2					1.6E+01	1.0E+01		6.2E+00	
				1.0E-02	H					1	4.31	0.9	Yes	Chlorpyrifos Methyl	5598-13-0					1.6E+02	2.1E+02		8.9E+01	
				5.0E-02	I					1	2	1	Yes	Chlorsulfuron	64902-72-3					7.8E+02	4.0E+04		7.7E+02	
				8.0E-04	H					1	5.8	0.8	Yes	Chlorthiophos	60238-56-4					1.3E+01	2.4E+00		2.0E+00	
				1.5E+00	I					0.013		1	Yes	Chromium(III), Insoluble Salts	16065-83-1					2.3E+04	4.6E+04		1.6E+04	
5.0E-01	J	8.4E-02	S	3.0E-03	I	1.0E-04	I		M	0.025		1	Yes	Chromium(VI)	18540-29-9	4.3E-02	1.1E-01		3.1E-02	4.7E+01	8.9E+01		3.1E+01	
										0.013		1	Yes	Chromium, Total	7440-47-3									1.0E+02
		9.0E-03	P	3.0E-04	P	6.0E-06	P			1		1	Yes	Cobalt	7440-48-4					4.7E+00	1.8E+03		4.7E+00	
		6.2E-04	I						M	1				Coke Oven Emissions	8007-45-2									
				4.0E-02	H					1		1	Yes	Copper	7440-50-8					6.3E+02	9.5E+04		6.2E+02	1.3E+03
				5.0E-02	I	6.0E-01	C			1	1.96	1	Yes	Cresol, m-	108-39-4					7.8E+02	8.5E+03		7.2E+02	
				5.0E-02	I	6.0E-01	C			1	1.95	1	Yes	Cresol, o-	95-48-7					7.8E+02	8.6E+03		7.2E+02	
				1.0E-01	A	6.0E-01	C			1	1.94	1	Yes	Cresol, p-	106-44-5					1.6E+03	1.7E+04		1.4E+03	
				1.0E-01	A					1	3.1	1	Yes	Cresol, p-chloro-m-	59-50-7					1.6E+03	3.7E+03		1.1E+03	
				1.0E-01	A	6.0E-01	C			1	1.95	1	Yes	Cresols	1319-77-3					1.6E+03	1.7E+04		1.4E+03	
1.9E+00	H			1.0E-03	P			V		1	0.6	1	Yes	Crotonaldehyde, trans-	123-73-9	3.5E-02	2.3E+00		3.5E-02	1.6E+01	9.8E+02		1.5E+01	
				1.0E-01	I	4.0E-01	I	V		1	3.66	1	Yes	Cumene	98-82-8					1.6E+03	1.4E+03	8.3E+02	3.9E+02	
2.2E-01	C	6.3E-05	C							1	-3.16	1	No	Cupferron	135-20-6	3.1E-01			3.1E-01					
8.4E-01	H			2.0E-03	H					1	2.22	1	Yes	Cyanazine	21725-46-2	8.0E-02	1.4E+00		7.6E-02	3.1E+01	5.4E+02		3.0E+01	
														Cyanides										
				1.0E-03	I					1		1	Yes	~Calcium Cyanide	592-01-8					1.6E+01	2.4E+03		1.6E+01	
				5.0E-03	I					1		1	Yes	~Copper Cyanide	544-92-3					7.8E+01	1.2E+04		7.8E+01	
				6.0E-04	I	8.0E-04	S	V		1	-0.25	1	Yes	~Cyanide (CN-)	57-12-5					9.4E+00	1.4E+03	1.7E+00	1.4E+00	2.0E+02
				1.0E-03	I			V		1	0.07	1	Yes	~Cyanogen	460-19-5					1.6E+01	2.7E+03		1.6E+01	
				9.0E-02	I			V		1		1	Yes	~Cyanogen Bromide	506-68-3					1.4E+03	8.4E+05		1.4E+03	
				5.0E-02	I			V		1		1	Yes	~Cyanogen Chloride	506-77-4					7.8E+02	3.0E+05		7.8E+02	
				6.0E-04	I	8.0E-04	I	V		1	-0.25	1	Yes	~Hydrogen Cyanide	74-90-8					9.4E+00	1.4E+03	1.7E+00	1.4E+00	
				2.0E-03	I					1		1	Yes	~Potassium Cyanide	151-50-8					3.1E+01	2.4E+03		3.1E+01	
				5.0E-03	I					0.04		1	Yes	~Potassium Silver Cyanide	506-61-6					7.8E+01	2.4E+02		5.9E+01	
				1.0E-01	I					0.04		1	Yes	~Silver Cyanide	506-64-9					1.6E+03	9.5E+03		1.3E+03	
				1.0E-03	I					1		1	Yes	~Sodium Cyanide	143-33-9					1.6E+01	2.4E+03		1.6E+01	2.0E+02
				2.0E-04	P					1			Yes	~Thiocyanates	NA					3.1E+00	4.7E+02		3.1E+00	
				2.0E-04	X					1		1	Yes	~Thiocyanic Acid	463-56-9					3.1E+00	4.7E+02		3.1E+00	
				5.0E-02	I					1		1	Yes	~Zinc Cyanide	557-21-1					7.8E+02	2.0E+05		7.8E+02	
						6.0E+00	I	V		1	3.44	1	Yes	Cyclohexane	110-82-7							1.3E+04	1.3E+04	
2.3E-02	H									1	4.72	0.9	Yes	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.9E+00	7.1E+00		2.1E+00					
				5.0E+00	I	7.0E-01	P			1	0.81	1	Yes	Cyclohexanone	108-94-1					7.8E+04	4.5E+06		7.7E+04	
				5.0E-03	P	1.0E+00	X	V		1	2.86	1	Yes	Cyclohexene	110-83-8					7.8E+01	1.8E+02	2.1E+03	5.3E+01	
				2.0E-01	I					1	1.49	1	Yes	Cyclohexylamine	108-91-8					3.1E+03	6.4E+04		3.0E+03	
				5.0E-03	I					1	6.8	0.5	No	Cyhalothrin/karate	68085-85-8					7.8E+01			7.8E+01	
				1.0E-02	I					1	6.6	0.7	No	Cypermethrin	52315-07-8					1.6E+02			1.6E+02	
				7.5E-03	I					1	0.96	1	Yes	Cyromazine	66215-27-8					1.2E+02	8.5E+03		1.2E+02	
2.4E-01	I	6.9E-05	C							1	6.02	0.8	Yes	DDD	72-54-8	2.8E-01	3.0E-02		2.7E-02					
3.4E-01	I	9.7E-05	C							1	6.51	0.8	No	DDE, p,p'-	72-55-9	2.0E-01			2.0E-01					
3.4E-01	I	9.7E-05	I	5.0E-04	I					1	6.91	0.7	No	DDT	50-29-3	2.0E-01			2.0E-01	7.8E+00			7.8E+00	
				1.0E-02	I					1	4.28	0.9	Yes	Dacthal	1861-32-1					1.6E+02	2.3E+02		9.3E+01	

R=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
				3.0E-02	I					1	0.78	1	Yes	Dalapon	75-99-0					4.7E+02	3.9E+04		4.6E+02	2.0E+02
7.0E-04	I			7.0E-03	I					1	12.11	0	No	Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	9.6E+01			9.6E+01	1.1E+02			1.1E+02	
				4.0E-05	I					1	3.2146	0.9	Yes	Demeton	8065-48-3					6.3E-01	2.9E+00		5.2E-01	
1.2E-03	I			6.0E-01	I					1	8.12	0	No	Di(2-ethylhexyl)adipate	103-23-1	5.6E+01			5.6E+01	9.4E+03			9.4E+03	4.0E+02
6.1E-02	H									1	4.49	0.9	Yes	Diallate	2303-16-4	1.1E+00	7.9E-01		4.6E-01					
				7.0E-04	A					1	3.81	0.9	Yes	Diazinon	333-41-5					1.1E+01	2.8E+01		7.9E+00	
				1.0E-02	X			V		1	4.38	1	Yes	Dibenzothiophene	132-65-0					1.6E+02	6.8E+01		4.8E+01	
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	1	2.96	1	Yes	Dibromo-3-chloropropane, 1,2-	96-12-8	2.7E-02	1.6E-01	3.2E-04	3.2E-04	3.1E+00	1.7E+01	4.2E-01	3.6E-01	2.0E-01
				1.0E-02	I					1	3.79	0.9	Yes	Dibromobenzene, 1,4-	106-37-6					1.6E+02	2.6E+02		9.8E+01	
8.4E-02	I	2.7E-05	C	2.0E-02	I			V		1	2.16	1	Yes	Dibromochloromethane	124-48-1	8.0E-01	1.2E+01	1.8E-01	1.5E-01	3.1E+02	4.8E+03		2.9E+02	8.0E+01(F)
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1	1.96	1	Yes	Dibromoethane, 1,2-	106-93-4	3.4E-02	6.1E-01	8.1E-03	6.5E-03	1.4E+02	2.5E+03	1.9E+01	1.6E+01	5.0E-02
				1.0E-02	H	4.0E-03	X	V		1	1.7	1	Yes	Dibromomethane (Methylene Bromide)	74-95-3					1.6E+02	3.9E+03	8.3E+00	7.9E+00	
				3.0E-04	P					1			No	Dibutyltin Compounds	NA					4.7E+00			4.7E+00	
				3.0E-02	I					1	2.21	1	Yes	Dicamba	1918-00-9					4.7E+02	7.2E+03		4.4E+02	
		4.2E-03	P					V		1	2.6	1	Yes	Dichloro-2-butene, 1,4-	764-41-0			1.2E-03	1.2E-03					
		4.2E-03	P					V		1	2.6	1	Yes	Dichloro-2-butene, cis-1,4-	1476-11-5			1.2E-03	1.2E-03					
		4.2E-03	P					V		1	2.6	1	Yes	Dichloro-2-butene, trans-1,4-	110-57-6			1.2E-03	1.2E-03					
5.0E-02	I			4.0E-03	I					1	0.92	1	Yes	Dichloroacetic Acid	79-43-6	1.3E+00	8.2E+01		1.3E+00	6.3E+01	3.8E+03		6.2E+01	6.0E+01
				9.0E-02	I	2.0E-01	H	V		1	3.43	1	Yes	Dichlorobenzene, 1,2-	95-50-1					1.4E+03	2.1E+03	4.2E+02	2.8E+02	6.0E+02
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		1	3.44	1	Yes	Dichlorobenzene, 1,4-	106-46-7	1.2E+01	1.8E+01	4.4E-01	4.2E-01	1.1E+03	1.6E+03	1.7E+03	4.7E+02	7.5E+01
4.5E-01	I	3.4E-04	C							1	3.51	1	Yes	Dichlorobenzidine, 3,3'-	91-94-1	1.5E-01	3.9E-01		1.1E-01					
				9.0E-03	X					1	4.44	0.9	Yes	Dichlorobenzophenone, 4,4'-	90-98-2					1.4E+02	9.7E+01		5.7E+01	
				2.0E-01	I	1.0E-01	X	V		1	2.16	1	Yes	Dichlorodifluoromethane	75-71-8					3.1E+03	2.7E+04	2.1E+02	1.9E+02	
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		1	1.79	1	Yes	Dichloroethane, 1,1-	75-34-3	1.2E+01	1.6E+02	3.0E+00	2.4E+00	3.1E+03	4.0E+04		2.9E+03	
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1	1.48	1	Yes	Dichloroethane, 1,2-	107-06-2	7.4E-01	1.6E+01	1.9E-01	1.5E-01	9.4E+01	1.9E+03	1.5E+01	1.3E+01	5.0E+00
				5.0E-02	I	2.0E-01	I	V		1	2.13	1	Yes	Dichloroethylene, 1,1-	75-35-4					7.8E+02	5.9E+03	4.2E+02	2.6E+02	7.0E+00
				9.0E-03	H			V		1	2.09	1	Yes	Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0					1.4E+02	1.1E+03		1.3E+02	
				2.0E-03	I			V		1	1.86	1	Yes	Dichloroethylene, 1,2-cis-	156-59-2					3.1E+01	2.5E+02		2.8E+01	7.0E+01
				2.0E-02	I	6.0E-02	P	V		1	2.09	1	Yes	Dichloroethylene, 1,2-trans-	156-60-5					3.1E+02	2.5E+03	1.3E+02	8.6E+01	1.0E+02
				3.0E-03	I					1	3.06	1	Yes	Dichlorophenol, 2,4-	120-83-2					4.7E+01	1.3E+02		3.5E+01	
				1.0E-02	I					1	2.81	1	Yes	Dichlorophenoxy Acetic Acid, 2,4-	94-75-7					1.6E+02	9.6E+02		1.3E+02	7.0E+01
				8.0E-03	I					1	3.53	0.9	Yes	Dichlorophenoxybutyric Acid, 4-(2,4-	94-82-6					1.3E+02	3.4E+02		9.1E+01	
3.6E-02	C	1.0E-05	C	9.0E-02	A	4.0E-03	I	V		1	1.98	1	Yes	Dichloropropane, 1,2-	78-87-5	1.9E+00	2.0E+01	4.9E-01	3.8E-01	1.4E+03	1.5E+04	8.3E+00	8.3E+00	5.0E+00
				2.0E-02	P			V		1	2	1	Yes	Dichloropropane, 1,3-	142-28-9					3.1E+02	3.3E+03		2.9E+02	
				3.0E-03	I					1	0.78	1	Yes	Dichloropropanol, 2,3-	616-23-9					4.7E+01	3.5E+03		4.6E+01	
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1	2.04	1	Yes	Dichloropropene, 1,3-	542-75-6	6.7E-01	6.7E+00	1.2E+00	4.1E-01	4.7E+02	4.7E+03	4.2E+01	3.8E+01	
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	1.43	1	Yes	Dichlorvos	62-73-7	2.3E-01	1.2E+01		2.3E-01	7.8E+00	4.0E+02		7.7E+00	
				8.0E-03	P	7.0E-03	P	V		1	3.51	1	Yes	Dicyclopentadiene	77-73-6					1.3E+02	2.5E+02	1.5E+01	1.2E+01	
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	5.4	0.8	Yes	Dieldrin	60-57-1	4.2E-03	2.3E-03		1.5E-03	7.8E-01	4.3E-01		2.8E-01	
		3.0E-04	C			5.0E-03	I			1				Diesel Engine Exhaust	NA									
				2.0E-03	P	2.0E-04	P			1	-1.43	1	Yes	Diethanolamine	111-42-2					3.1E+01	5.8E+04		3.1E+01	
				3.0E-02	P	1.0E-04	P			1	0.56	1	Yes	Diethylene Glycol Monobutyl Ether	112-34-5					4.7E+02	6.1E+04		4.7E+02	
				6.0E-02	P	3.0E-04	P			1	-0.54	1	Yes	Diethylene Glycol Monoethyl Ether	111-90-0					9.4E+02	5.5E+05		9.4E+02	
				1.0E-03	P					1	0.05	1	Yes	Diethylformamide	617-84-5					1.6E+01	2.9E+03		1.6E+01	
3.5E+02	C	1.0E-01	C							1	5.07	0.9	Yes	Diethylstilbestrol	56-53-1	1.9E-04	5.6E-05		4.3E-05					
				8.0E-02	I					1	0.65	1	Yes	Difenzoquat	43222-48-6					1.3E+03	5.2E+05		1.2E+03	
				2.0E-02	I					1	3.88	0.9	Yes	Diflubenzuron	35367-38-5					3.1E+02	7.4E+02		2.2E+02	
						4.0E+01	I	V		1	0.75	1	Yes	Difluoroethane, 1,1-	75-37-6							8.3E+04	8.3E+04	
4.4E-02	C	1.3E-05	C					V		1	3.58	1	Yes	Dihydrosafrole	94-58-6	1.5E+00	2.0E+00	3.7E-01	2.6E-01					
						7.0E-01	P	V		1	1.52	1	Yes	Diisopropyl Ether	108-20-3							1.5E+03	1.5E+03	
				8.0E-02	I			V		1	1.03	1	Yes	Diisopropyl Methylphosphonate	1445-75-6					1.3E+03	9.0E+04		1.2E+03	
				2.0E-02	I					1	-0.17	1	Yes	Dimethipin	55290-64-7					3.1E+02	1.7E+05		3.1E+02	
				2.0E-04	I					1	0.78	1	Yes	Dimethoate	60-51-5					3.1E+00	4.5E+02		3.1E+00	
1.6E+00	P									1	1.81	1	Yes	Dimethoxybenzidine, 3,3'-	119-90-4	4.2E-02	1.4E+00		4.1E-02					
1.7E-03	P			6.0E-02	P					1	-0.61	1	Yes	Dimethyl methylphosphonate	756-79-6	4.0E+01	2.4E+04		3.9E+01	9.4E+02	5.7E+05		9.4E+02	
4.6E+00	C	1.3E-03	C							1	4.58	1	Yes	Dimethylamino azobenzene [p-]	60-11-7	1.5E-02	6.1E-03		4.3E-03					
5.8E-01	H									1	-1.51	1	Yes	Dimethylaniline HCl, 2,4-	21436-96-4	1.2E-01	3.5E+02		1.2E-01					
2.0E-01	P			2.0E-03	X					1	1.68	1	Yes	Dimethylaniline, 2,4-	95-68-1	3.4E-01	6.1E+00		3.2E-01	3.1E+01	5.7E+02		3.0E+01	
				2.0E-03	I			V		1	2.31	1	Yes	Dimethylaniline, N,N-	121-69-7					3.1E+01	2.2E+02		2.7E+01	
1.1E+01	P									1	2.34	1	Yes	Dimethylbenzidine, 3,3'-	119-93-7	6.1E-03	7.2E-02		5.6E-03					
				1.0E-01	P	3.0E-02	I			1	-1.01	1	Yes	Dimethylformamide	68-12-2					1.6E+03	1.2E+06		1.6E+03	
				1.0E-04	X	2.0E-06	X			1	-1.19	1	Yes	Dimethylhydrazine, 1,1-	57-14-7					1.6E+00	2.2E+03		1.6E+00	
5.5E+02	C	1.6E-01	C							1	-0.54	1	Yes	Dimethylhydrazine, 1,2-	540-73-8	1.2E-04	4.2E-02		1.2E-04					
				2.0E-02	I					1	2.3	1	Yes	Dimethylphenol, 2,4-	105-67-9					3.1E+02	2.2E+03		2.7E+02	
				6.0E-04	I					1	2.36	1	Yes	Dimethylphenol, 2,6-	576-26-1					9.4E+00	6.0E+01		8.1E+00	

DRAFT-06-10-1.0

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Toxicity and Chemical-specific Information													Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
				1.0E-03	I					1	2.23	1	Yes	Dimethylphenol, 3,4-	95-65-8					1.6E+01	1.2E+02		1.4E+01	
4.5E-02	C	1.3E-05	C					V		1	2.58	1	Yes	Dimethylvinylchloride	513-37-1	1.5E+00	5.6E+00	3.7E-01	2.8E-01					
				8.0E-05	X					1	2.13	1	Yes	Dinitro-o-cresol, 4,6-	534-52-1					1.3E+00	1.9E+01		1.2E+00	
				2.0E-03	I					1	4.12	0.9	Yes	Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5					3.1E+01	3.8E+01		1.7E+01	
				1.0E-04	P					1	1.69	1	Yes	Dinitrobenzene, 1,2-	528-29-0					1.6E+00	3.8E+01		1.5E+00	
				1.0E-04	I					1	1.49	1	Yes	Dinitrobenzene, 1,3-	99-65-0					1.6E+00	5.1E+01		1.5E+00	
				1.0E-04	P					1	1.46	1	Yes	Dinitrobenzene, 1,4-	100-25-4					1.6E+00	5.4E+01		1.5E+00	
				2.0E-03	I					1	1.67	1	Yes	Dinitrophenol, 2,4-	51-28-5					3.1E+01	8.6E+02		3.0E+01	
6.8E-01	I									1	2.18	1	Yes	Dinitrotoluene Mixture, 2,4/2,6-	NA	9.9E-02	1.2E+00		9.2E-02					
3.1E-01	C	8.9E-05	C	2.0E-03	I					1	1.98	1	Yes	Dinitrotoluene, 2,4-	121-14-2	2.2E-01	3.7E+00		2.0E-01	3.1E+01	5.3E+02		3.0E+01	
1.5E+00	P			3.0E-04	X					1	2.1	1	Yes	Dinitrotoluene, 2,6-	606-20-2	4.5E-02	6.3E-01		4.2E-02	4.7E+00	6.6E+01		4.4E+00	
				2.0E-03	S					1	1.84	1	Yes	Dinitrotoluene, 2-Amino-4,6-	35572-78-2					3.1E+01	7.3E+02		3.0E+01	
				2.0E-03	S					1	1.84	1	Yes	Dinitrotoluene, 4-Amino-2,6-	19406-51-0					3.1E+01	7.3E+02		3.0E+01	
4.5E-01	X			9.0E-04	X					1	2.18	1	Yes	Dinitrotoluene, Technical grade	25321-14-6	1.5E-01	1.9E+00		1.4E-01	1.4E+01	1.8E+02		1.3E+01	
				1.0E-03	I					1	3.56	0.9	Yes	Dinoseb	88-85-7					1.6E+01	3.8E+01		1.1E+01	7.0E+00
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I			1	-0.27	1	Yes	Dioxane, 1,4-	123-91-1	6.7E-01	1.9E+02		6.7E-01	4.7E+02	1.3E+05		4.7E+02	
														Dioxins										
6.2E+03	I	1.3E+00	I							1	8.21	0	No	~Hexachlorodibenzo-p-dioxin, Mixture	NA	1.1E-05			1.1E-05					
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C			1	6.8	0.5	No	~TCDD, 2,3,7,8-	1746-01-6	5.2E-07			5.2E-07	1.1E-05			1.1E-05	3.0E-05
				3.0E-02	I					1	2.86	1	Yes	Diphenamid	957-51-7					4.7E+02	3.0E+03		4.1E+02	
				8.0E-04	X					1	2.4	1	Yes	Diphenyl Sulfone	127-63-9					1.3E+01	1.4E+02		1.1E+01	
				2.5E-02	I					1	3.5	1	Yes	Diphenylamine	122-39-4					3.9E+02	6.0E+02		2.4E+02	
8.0E-01	I	2.2E-04	I							1	2.94	1	Yes	Diphenylhydrazine, 1,2-	122-66-7	8.4E-02	3.3E-01		6.7E-02					
				2.2E-03	I					1	-2.82	1	No	Diquat	85-00-7					3.4E+01			3.4E+01	2.0E+01
7.4E+00	C	2.1E-03	C							1	4.9	1	No	Direct Black 38	1937-37-7	9.1E-03			9.1E-03					
7.4E+00	C	2.1E-03	C							1	-2.03	1	No	Direct Blue 6	2602-46-2	9.1E-03			9.1E-03					
6.7E+00	C	1.9E-03	C							1	-6.53	1	No	Direct Brown 95	16071-86-6	1.0E-02			1.0E-02					
				4.0E-05	I					1	4.02	0.9	Yes	Disulfoton	298-04-4					6.3E-01	9.5E-01		3.8E-01	
				1.0E-02	I			V		1	0.77	1	Yes	Dithiane, 1,4-	505-29-3					1.6E+02	1.1E+04		1.5E+02	
				2.0E-03	I					1	2.68	1	Yes	Diuron	330-54-1					3.1E+01	2.5E+02		2.8E+01	
				4.0E-03	I					1	1.15	1	Yes	Dodine	2439-10-3					6.3E+01	7.5E+03		6.2E+01	
				2.5E-02	I			V		1	3.21	1	Yes	EPTC	759-94-4					3.9E+02	1.1E+03		2.9E+02	
				6.0E-03	I					1	3.83	0.9	Yes	Endosulfan	115-29-7					9.4E+01	4.5E+02		7.8E+01	
				2.0E-02	I					1	1.91	1	Yes	Endothall	145-73-3					3.1E+02	6.1E+03		3.0E+02	1.0E+02
				3.0E-04	I					1	5.2	0.8	Yes	Endrin	72-20-8					4.7E+00	2.6E+00		1.7E+00	2.0E+00
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		1	0.45	1	Yes	Epichlorohydrin	106-89-8	6.8E+00	6.7E+02	4.1E+00	2.5E+00	9.4E+01	8.9E+03	2.1E+00	2.0E+00	
						2.0E-02	I	V		1	0.86	1	Yes	Epoxybutane, 1,2-	106-88-7							4.2E+01	4.2E+01	
				5.0E-03	I					1	-0.22	1	Yes	Ethephon	16672-87-0					7.8E+01	3.0E+04		7.8E+01	
				5.0E-04	I					1	5.07	0.8	Yes	Ethion	563-12-2					7.8E+00	5.4E+00		3.2E+00	
				1.0E-01	P	6.0E-02	P			1	0.59	1	Yes	Ethoxyethanol Acetate, 2-	111-15-9					1.6E+03	1.6E+05		1.5E+03	
				9.0E-02	P	2.0E-01	I			1	-0.32	1	Yes	Ethoxyethanol, 2-	110-80-5					1.4E+03	4.3E+05		1.4E+03	
				9.0E-01	I	7.0E-02	P	V		1	0.73	1	Yes	Ethyl Acetate	141-78-6					1.4E+04	8.4E+05	1.5E+02	1.4E+02	
4.8E-02	H							V		1	1.32	1	Yes	Ethyl Acrylate	140-88-5	1.4E+00	3.8E+01		1.4E+00					
						1.0E+01	I	V		1	1.43	1	Yes	Ethyl Chloride (Chloroethane)	75-00-3							2.1E+04	2.1E+04	
				2.0E-01	I			V		1	0.89	1	Yes	Ethyl Ether	60-29-7					3.1E+03	1.3E+05		3.1E+03	
				9.0E-02	H	3.0E-01	P	V		1	1.94	1	Yes	Ethyl Methacrylate	97-63-2					1.4E+03	1.6E+04	6.3E+02	4.2E+02	
				1.0E-05	I					1	4.78	0.8	Yes	Ethyl-p-nitrophenyl Phosphonate	2104-64-5					1.6E-01	1.1E-01		6.6E-02	
1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		1	3.15	1	Yes	Ethylbenzene	100-41-4	6.1E+00	1.1E+01	1.9E+00	1.3E+00	1.6E+03	2.6E+03	2.1E+03	6.7E+02	7.0E+02
				7.0E-02	P					1	-0.94	1	Yes	Ethylene Cyanohydrin	109-78-4					1.1E+03	7.3E+05		1.1E+03	
				9.0E-02	P					1	-2.04	1	No	Ethylene Diamine	107-15-3					1.4E+03			1.4E+03	
				2.0E+00	I	4.0E-01	C			1	-1.36	1	Yes	Ethylene Glycol	107-21-1					3.1E+04	3.7E+07		3.1E+04	
				1.0E-01	I	1.6E+00	I			1	0.83	1	Yes	Ethylene Glycol Monobutyl Ether	111-76-2					1.6E+03	1.0E+05		1.5E+03	
3.1E-01	C	8.8E-05	C			3.0E-02	C	V		1	-0.3	1	Yes	Ethylene Oxide	75-21-8	2.2E-01	4.6E+01	5.5E-02	4.4E-02			6.3E+01	6.3E+01	
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	-0.66	1	Yes	Ethylene Thiourea	96-45-7	1.5E+00	8.6E+02		1.5E+00	1.3E+00	7.0E+02		1.2E+00	
6.5E+01	C	1.9E-02	C					V		1	-0.28	1	Yes	Ethyleneimine	151-56-4	1.0E-03	2.1E-01	2.6E-04	2.1E-04					
				3.0E+00	I					1	2.19	1	Yes	Ethylphthalyl Ethyl Glycolate	84-72-0					4.7E+04	1.1E+06		4.5E+04	
				8.0E-03	I					1	2.55	1	Yes	Express	101200-48-0					1.3E+02	3.5E+03		1.2E+02	
				2.5E-04	I					1	3.23	0.9	Yes	Fenamiphos	22224-92-6					3.9E+00	2.4E+01		3.4E+00	
				2.5E-02	I					1	5.7	0.8	Yes	Fenpropathrin	39515-41-8					3.9E+02	5.2E+01		4.6E+01	
				1.3E-02	I					1	2.42	1	Yes	Fluometuron	2164-17-2					2.0E+02	2.4E+03		1.9E+02	
				4.0E-02	C	1.3E-02	C			1		1	Yes	Fluoride	16984-48-8					6.3E+02	9.5E+04		6.2E+02	
				6.0E-02	I	1.3E-02	C			1		1	Yes	Fluorine (Soluble Fluoride)	7782-41-4					9.4E+02	1.4E+05		9.3E+02	4.0E+03
				8.0E-02	I					1	3.16	0.9	Yes	Fluridone	59756-60-4					1.3E+03	1.0E+04		1.1E+03	
				2.0E-02	I					1	3.34	0.9	Yes	Flurprimidol	56425-91-3					3.1E+02	1.7E+03		2.6E+02	
				6.0E-02	I					1	3.7	0.9	Yes	Flutolanil	66332-96-5					9.4E+02	3.2E+03		7.2E+02	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information													Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
				1.0E-02	I					1	6.81	0.6	No	Fluvalinate	69409-94-5					1.6E+02			1.6E+02	
3.5E-03	I			1.0E-01	I					1	2.85	1	Yes	Folpet	133-07-3	1.9E+01	1.8E+02		1.7E+01	1.6E+03	1.5E+04		1.4E+03	
1.9E-01	I									1	2.9	1	Yes	Fomesafen	72178-02-0	3.5E-01	7.7E+00		3.4E-01					
				2.0E-03	I					1	3.94	0.9	Yes	Fonofos	944-22-9					3.1E+01	4.4E+01		1.8E+01	
		1.3E-05	I	2.0E-01	I	9.8E-03	A			1	0.35	1	Yes	Formaldehyde	50-00-0					3.1E+03	2.0E+05		3.1E+03	
				9.0E-01	P	3.0E-04	X			1	-0.54	1	Yes	Formic Acid	64-18-6					1.4E+04	4.1E+06		1.4E+04	
				3.0E+00	I					1	-2.4	1	No	Fosetyl-AL	39148-24-8					4.7E+04			4.7E+04	
														Furans										
				1.0E-03	X			V		1	4.12	1	Yes	~Dibenzofuran	132-64-9					1.6E+01	9.2E+00		5.8E+00	
				1.0E-03	I			V		1	1.34	1	Yes	~Furan	110-00-9					1.6E+01	3.1E+02		1.5E+01	
				9.0E-01	I	2.0E+00	I	V		1	0.46	1	Yes	~Tetrahydrofuran	109-99-9					1.4E+04	1.1E+06	4.2E+03	3.2E+03	
3.8E+00	H									1	-0.04	1	Yes	Furazolidone	67-45-8	1.8E-02	8.7E+00		1.8E-02					
				3.0E-03	I	5.0E-02	H			1	0.41	1	Yes	Furfural	98-01-1					4.7E+01	4.9E+03		4.6E+01	
1.5E+00	C	4.3E-04	C							1	1.8	1	Yes	Furium	531-82-8	4.5E-02	1.6E+00		4.4E-02					
3.0E-02	I	8.6E-06	C							1	4.38	0.9	Yes	Furmecyclox	60568-05-0	2.2E+00	1.7E+00		9.6E-01					
				4.0E-04	I					1	-5.34	1	No	Glufosinate, Ammonium	77182-82-2					6.3E+00			6.3E+00	
						8.0E-05	C			1	-0.18	1	Yes	Glutaraldehyde	111-30-8									
				4.0E-04	I	1.0E-03	H			1	-0.12	1	Yes	Glycidyl	765-34-4					6.3E+00	1.2E+03		6.2E+00	
				1.0E-01	I					1	-3.4	1	No	Glyphosate	1071-83-6					1.6E+03			1.6E+03	7.0E+02
				3.0E-03	I					1	4.73	0.8	Yes	Goal	42874-03-3					4.7E+01	4.7E+01		2.4E+01	
				3.0E-03	A	1.0E-02	A			1	2.75	1	Yes	Guthion	86-50-0					4.7E+01	5.9E+02		4.3E+01	
				5.0E-05	I					1	4.07	0.9	Yes	Haloxyfop, Methyl	69806-40-2					7.8E-01	2.2E+00		5.8E-01	
				1.3E-02	I					1	1.56	1	Yes	Harmony	79277-27-3					2.0E+02	2.5E+04		2.0E+02	
4.5E+00	I	1.3E-03	I	5.0E-04	I					1	6.1	0.8	Yes	Heptachlor	76-44-8	1.5E-02	2.0E-03		1.8E-03	7.8E+00	1.0E+00		9.2E-01	4.0E-01
9.1E+00	I	2.6E-03	I	1.3E-05	I					1	4.98	0.8	Yes	Heptachlor Epoxide	1024-57-3	7.4E-03	6.1E-03		3.3E-03	2.0E-01	1.7E-01		9.2E-02	2.0E-01
				2.0E-03	I					1	6.07	0.7	No	Hexabromobenzene	87-82-1					3.1E+01			3.1E+01	
				2.0E-04	I					1			No	Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2					3.1E+00			3.1E+00	
1.6E+00	I	4.6E-04	I	8.0E-04	I					1	5.73	0.9	No	Hexachlorobenzene	118-74-1	4.2E-02			4.2E-02	1.3E+01			1.3E+01	1.0E+00
7.8E-02	I	2.2E-05	I	1.0E-03	P					1	4.78	0.9	Yes	Hexachlorobutadiene	87-68-3	8.6E-01	3.7E-01		2.6E-01	1.6E+01	6.8E+00		4.7E+00	
6.3E+00	I	1.8E-03	I	8.0E-03	A					1	3.8	0.9	Yes	Hexachlorocyclohexane, Alpha-	319-84-6	1.1E-02	1.5E-02		6.2E-03	1.3E+02	1.7E+02		7.3E+01	
1.8E+00	I	5.3E-04	I							1	3.78	0.9	Yes	Hexachlorocyclohexane, Beta-	319-85-7	3.7E-02	5.2E-02		2.2E-02					
1.1E+00	C	3.1E-04	C	3.0E-04	I					1	3.72	0.9	Yes	Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	6.1E-02	8.5E-02		3.6E-02	4.7E+00	6.6E+00		2.7E+00	2.0E-01
1.8E+00	I	5.1E-04	I							1	4.14	0.9	Yes	Hexachlorocyclohexane, Technical	608-73-1	3.7E-02	5.2E-02		2.2E-02					
				6.0E-03	I	2.0E-04	I			1	5.04	0.9	Yes	Hexachlorocyclopentadiene	77-47-4					9.4E+01	2.9E+01		2.2E+01	5.0E+01
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I			1	4.14	1	Yes	Hexachloroethane	67-72-1	1.7E+00	1.5E+00		7.9E-01	1.1E+01	9.7E+00		5.1E+00	
				3.0E-04	I					1	7.54	0	No	Hexachlorophene	70-30-4					4.7E+00			4.7E+00	
1.1E-01	I			3.0E-03	I					1	0.87	1	Yes	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	6.1E-01	7.3E+01		6.1E-01	4.7E+01	5.6E+03		4.7E+01	
						1.0E-05	I	V		1	3.2	1	Yes	Hexamethylene Diisocyanate, 1,6-	822-06-0							2.1E-02	2.1E-02	
				4.0E-04	P					1	0.28	1	Yes	Hexamethylphosphoramide	680-31-9					6.3E+00	1.4E+03		6.2E+00	
				6.0E-02	H	7.0E-01	I	V		1	3.9	1	Yes	Hexane, N-	110-54-3					9.4E+02	4.5E+02	1.5E+03	2.5E+02	
				2.0E+00	P					1	0.08	1	Yes	Hexanedioic Acid	124-04-9					3.1E+04	7.7E+06		3.1E+04	
				5.0E-03	I	3.0E-02	I	V		1	1.38	1	Yes	Hexanone, 2-	591-78-6					7.8E+01	1.9E+03	6.3E+01	3.4E+01	
				3.3E-02	I					1	1.85	1	Yes	Hexazinone	51235-04-2					5.2E+02	1.7E+04		5.0E+02	
3.0E+00	I	4.9E-03	I			3.0E-05	P			1	-2.07	1	Yes	Hydrazine	302-01-2	2.2E-02	9.5E+01		2.2E-02					
3.0E+00	I	4.9E-03	I							1		1	Yes	Hydrazine Sulfate	10034-93-2	2.2E-02	4.2E+00		2.2E-02					
						2.0E-02	I			1		1	Yes	Hydrogen Chloride	7647-01-0									
				4.0E-02	C	1.4E-02	C			1		1	Yes	Hydrogen Fluoride	7664-39-3					6.3E+02	9.5E+04		6.2E+02	
						2.0E-03	I			1		1	Yes	Hydrogen Sulfide	7783-06-4									
6.0E-02	P			4.0E-02	P					1	0.59	1	Yes	Hydroquinone	123-31-9	1.1E+00	1.0E+02		1.1E+00	6.3E+02	5.6E+04		6.2E+02	
				1.3E-02	I					1	3.82	0.9	Yes	Imazalil	35554-44-0					2.0E+02	4.8E+02		1.4E+02	
				2.5E-01	I					1	1.86	1	Yes	Imazaquin	81335-37-7					3.9E+03	1.8E+05		3.8E+03	
				1.0E-02	A					1		1	Yes	Iodine	7553-56-2					1.6E+02	2.4E+04		1.6E+02	
				4.0E-02	I					1	3	0.9	Yes	Iprodione	36734-19-7					6.3E+02	6.4E+03		5.7E+02	
				7.0E-01	P					1		1	Yes	Iron	7439-89-6					1.1E+04	1.7E+06		1.1E+04	
				3.0E-01	I					1	0.76	1	Yes	Isobutyl Alcohol	78-83-1					4.7E+03	2.4E+05		4.6E+03	
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	1.7	1	Yes	Isophorone	78-59-1	7.1E+01	1.4E+03		6.7E+01	3.1E+03	6.1E+04		3.0E+03	
				1.5E-02	I					1	5.8	0.8	Yes	Isopropalin	33820-53-0					2.3E+02	3.3E+01		2.9E+01	
						7.0E+00	C			1	0.05	1	Yes	Isopropanol	67-63-0									
				1.0E-01	I					1	0.27	1	Yes	Isopropyl Methyl Phosphonic Acid	1832-54-8					1.6E+03	2.7E+05		1.6E+03	
				5.0E-02	I					1	3.94	0.9	Yes	Isoxaben	82558-50-7					7.8E+02	1.9E+03		5.6E+02	
						3.0E-01	A	V		1			No	JP-7	NA							6.3E+02	6.3E+02	
				7.5E-02	I					1	3.43	0.9	Yes	Kerb	23950-58-5					1.2E+03	3.9E+03		9.0E+02	
				2.0E-03	I					1	4.81	0.9	Yes	Lactofen	77501-63-4					3.1E+01	4.7E+01		1.9E+01	
														Lead Compounds										
2.8E-01	C	8.0E-05	C							1	-0.08	1	Yes	~Lead acetate	301-04-2	2.4E-01	2.4E+02		2.4E-01					

DRAFT 1E-06
DRAFT 1E-10

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
										1		1	Yes	~Lead and Compounds	7439-92-1									1.5E+01
3.8E-02	C	1.1E-05	C							1	-4	1	No	~Lead subacetate	1335-32-6	1.8E+00			1.8E+00					
				1.0E-07	I					1	4.15	0.9	Yes	~Tetraethyl Lead	78-00-2					1.6E-03	2.7E-03		9.9E-04	
				2.0E-03	I					1	3.2	0.9	Yes	Linuron	330-55-2					3.1E+01	1.4E+02		2.6E+01	
				2.0E-03	P					1		1	Yes	Lithium	7439-93-2					3.1E+01	4.7E+03		3.1E+01	
				2.0E-01	I					1	2.18	1	Yes	Londax	83055-99-6					3.1E+03	1.7E+05		3.1E+03	
				5.0E-04	I					1	3.25	1	Yes	MCPA	94-74-6					7.8E+00	2.1E+01		5.7E+00	
				1.0E-02	I					1	3.5	0.9	Yes	MCPB	94-81-5					1.6E+02	3.9E+02		1.1E+02	
				1.0E-03	I					1	3.13	1	Yes	MCPP	93-65-2					1.6E+01	5.1E+01		1.2E+01	
				2.0E-02	I					1	2.36	1	Yes	Malathion	121-75-5					3.1E+02	7.7E+03		3.0E+02	
				1.0E-01	I	7.0E-04	C			1	1.62	1	Yes	Maleic Anhydride	108-31-6					1.6E+03	2.6E+04		1.5E+03	
				5.0E-01	I					1	-0.84	1	Yes	Maleic Hydrazide	123-33-1					7.8E+03	6.3E+06		7.8E+03	
				1.0E-04	P					1	-0.6	1	Yes	Malononitrile	109-77-3					1.6E+00	6.0E+02		1.6E+00	
				3.0E-02	H					1	1.33	1	Yes	Mancozeb	8018-01-7					4.7E+02	2.6E+04		4.6E+02	
				5.0E-03	I					1	1.33	1	Yes	Maneb	12427-38-2					7.8E+01	4.4E+03		7.7E+01	
				1.4E-01	I	5.0E-05	I			1				Manganese (Diet)	7439-96-5									
				2.4E-02	S	5.0E-05	I			0.04		1	Yes	Manganese (Non-diet)	7439-96-5					3.8E+02	2.3E+03		3.2E+02	
				9.0E-05	H					1	1.04	1	Yes	Mephosfolan	950-10-7					1.4E+00	1.8E+02		1.4E+00	
				3.0E-02	I					1	-2.82	1	No	Mepiquat Chloride	24307-26-4					4.7E+02			4.7E+02	
														Mercury Compounds										
				3.0E-04	I	3.0E-04	S			0.07	-0.22	1	Yes	~Mercuric Chloride (and other Mercury salts)	7487-94-7					4.7E+00	5.0E+01		4.3E+00	2.0E+00
						3.0E-04	I	V		1	0.62	1	Yes	~Mercury (elemental)	7439-97-6							6.3E-01	6.3E-01	2.0E+00
				1.0E-04	I					1		1	Yes	~Methyl Mercury	22967-92-6					1.6E+00	2.4E+02		1.6E+00	
				8.0E-05	I					1	0.71	1	Yes	~Phenylmercuric Acetate	62-38-4					1.3E+00	4.0E+02		1.2E+00	
				3.0E-05	I					1	7.67	0.3	No	Merphos	150-50-5					4.7E-01			4.7E-01	
				3.0E-05	I					1	5.7	0.9	Yes	Merphos Oxide	78-48-8					4.7E-01	7.0E-02		6.1E-02	
				6.0E-02	I					1	1.65	1	Yes	Metalaxyl	57837-19-1					9.4E+02	4.5E+04		9.2E+02	
				1.0E-04	I	3.0E-02	P	V		1	0.68	1	Yes	Methacrylonitrile	126-98-7					1.6E+00	8.5E+01	6.3E+01	1.5E+00	
				5.0E-05	I					1	-0.8	1	Yes	Methamidophos	10265-92-6					7.8E-01	7.2E+02		7.8E-01	
				2.0E+00	I	2.0E+01	I			1	-0.77	1	Yes	Methanol	67-56-1					3.1E+04	1.1E+07		3.1E+04	
				1.0E-03	I					1	2.2	1	Yes	Methidathion	950-37-8					1.6E+01	4.1E+02		1.5E+01	
				2.5E-02	I					1	0.6	1	Yes	Methomyl	16752-77-5					3.9E+02	4.8E+04		3.9E+02	
4.9E-02	C	1.4E-05	C							1	1.47	1	Yes	Methoxy-5-nitroaniline, 2-	99-59-2	1.4E+00	4.6E+01		1.3E+00					
				5.0E-03	I					1	5.08	0.8	Yes	Methoxychlor	72-43-5					7.8E+01	4.2E+01		2.7E+01	4.0E+01
				8.0E-03	P	1.0E-03	P			1	0.1	1	Yes	Methoxyethanol Acetate, 2-	110-49-6					1.3E+02	2.5E+04		1.2E+02	
				5.0E-03	P	2.0E-02	I			1	-0.77	1	Yes	Methoxyethanol, 2-	109-86-4					7.8E+01	4.2E+04		7.8E+01	
				1.0E+00	X			V		1	0.18	1	Yes	Methyl Acetate	79-20-9					1.6E+04	1.9E+06		1.6E+04	
				3.0E-02	H	2.0E-02	P	V		1	0.8	1	Yes	Methyl Acrylate	96-33-3					4.7E+02	2.5E+04	4.2E+01	3.8E+01	
				6.0E-01	I	5.0E+00	I	V		1	0.29	1	Yes	Methyl Ethyl Ketone (2-Butanone)	78-93-3					9.4E+03	9.7E+05	1.0E+04	4.9E+03	
		1.0E-03	X	1.0E-03	P	2.0E-05	X			1	-1.05	1	Yes	Methyl Hydrazine	60-34-4					1.6E+01	9.9E+03		1.6E+01	
				8.0E-02	H	3.0E+00	I	V		1	1.31	1	Yes	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1					1.3E+03	3.4E+04	6.3E+03	1.0E+03	
						1.0E-03	C	V		1	0.79	1	Yes	Methyl Isocyanate	624-83-9							2.1E+00	2.1E+00	
				1.4E+00	I	7.0E-01	I	V		1	1.38	1	Yes	Methyl Methacrylate	80-62-6					2.2E+04	5.3E+05	1.5E+03	1.4E+03	
				2.5E-04	I					1	2.86	1	Yes	Methyl Parathion	298-00-0					3.9E+00	2.9E+01		3.4E+00	
				6.0E-02	X					1	-1	1	Yes	Methyl Phosphonic Acid	993-13-5					9.4E+02	8.4E+05		9.4E+02	
				6.0E-03	H	4.0E-02	H	V		1	3.44	1	Yes	Methyl Styrene (Mixed Isomers)	25013-15-4					9.4E+01	1.1E+02	8.3E+01	3.2E+01	
9.9E-02	C	2.8E-05	C							1	-0.66	1	Yes	Methyl methanesulfonate	66-27-3	6.8E-01	4.1E+02		6.8E-01					
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		1	0.94	1	Yes	Methyl tert-Butyl Ether (MTBE)	1634-04-4	3.7E+01	1.7E+03	1.9E+01	1.2E+01			6.3E+03	6.3E+03	
				3.0E-04	X					1	-2.06	1	Yes	Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2					4.7E+00	4.2E+04		4.7E+00	
9.0E-03	P			2.0E-02	X					1	1.87	1	Yes	Methyl-5-Nitroaniline, 2-	99-55-8	7.5E+00	1.2E+02		7.0E+00	3.1E+02	5.2E+03		2.9E+02	
8.3E+00	C	2.4E-03	C							1	-0.92	1	Yes	Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	8.1E-03	9.3E+00		8.1E-03					
1.3E-01	C	3.7E-05	C							1	1.32	1	Yes	Methylaniline Hydrochloride, 2-	636-21-5	5.2E-01	1.2E+01		5.0E-01					
				1.0E-02	A					1	-1.185	1	Yes	Methylarsonic acid	124-58-3					1.6E+02	2.6E+05		1.6E+02	
				2.0E-04	X					1			No	Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7					3.1E+00			3.1E+00	
1.0E-01	X			3.0E-04	X					1			No	Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	6.7E-01			6.7E-01	4.7E+00			4.7E+00	
2.2E+01	C	6.3E-03	C						M	1	6.42	0.8	No	Methylcholanthrene, 3-	56-49-5	9.8E-04			9.8E-04					
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	1	1.25	1	Yes	Methylene Chloride	75-09-2	1.1E+01	3.2E+02	1.9E+02	9.9E+00	9.4E+01	2.5E+03	1.3E+03	8.4E+01	5.0E+00
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	1	3.91	0.9	Yes	Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2.2E-01	4.0E-01		1.4E-01	3.1E+01	5.3E+01		2.0E+01	
4.6E-02	I	1.3E-05	C							1	4.37	1	Yes	Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.5E+00	5.7E-01		4.1E-01					
1.6E+00	C	4.6E-04	C			2.0E-02	C			1	1.59	1	Yes	Methylenebisbenzenamine, 4,4'-	101-77-9	4.2E-02	1.4E+00		4.1E-02					
						6.0E-04	I			1	5.22	0.9	Yes	Methylenediphenyl Diisocyanate	101-68-8									
				7.0E-02	H			V		1	3.48	1	Yes	Methylstyrene, Alpha-	98-83-9					1.1E+03	1.2E+03		5.8E+02	
				1.5E-01	I					1	3.13	1	Yes	Metolachlor	51218-45-2					2.3E+03	1.9E+04		2.1E+03	
				2.5E-02	I					1	1.7	1	Yes	Metribuzin	21087-64-9					3.9E+02	1.3E+04		3.8E+02	
				3.0E+00	P			V		1	6.1	1	No	Mineral oils	8012-95-1					4.7E+04			4.7E+04	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	vol	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
1.8E+01	C	5.1E-03	C	2.0E-04	I					1	6.89	0.5	No	Mirex	2385-85-5	3.7E-03			3.7E-03	3.1E+00			3.1E+00	
				2.0E-03	I					1	3.21	1	Yes	Molinate	2212-67-1					3.1E+01	8.4E+01		2.3E+01	
				5.0E-03	I					1		1	Yes	Molybdenum	7439-98-7					7.8E+01	1.2E+04		7.8E+01	
				1.0E-01	I					1		1	Yes	Monochloramine	10599-90-3					1.6E+03	2.4E+05		1.6E+03	4.0E+03
				2.0E-03	P					1	1.66	1	Yes	Monomethylaniline	100-61-8					3.1E+01	5.3E+02		3.0E+01	
				3.0E-04	X					1	4.04	0.9	Yes	N,N'-Diphenyl-1,4-benzenediamine	74-31-7					4.7E+00	6.3E+00		2.7E+00	
				2.0E-03	I					1	1.38	1	Yes	Naled	300-76-5					3.1E+01	4.8E+03		3.1E+01	
				3.0E-02	X	1.0E-01	P	V		1			No	Naphtha, High Flash Aromatic (HFAN)	64724-95-6					4.7E+02		2.1E+02	1.4E+02	
1.8E+00	C	0.0E+00	C							1	2.28	1	Yes	Naphthylamine, 2-	91-59-8	3.7E-02	3.1E-01		3.3E-02					
				1.0E-01	I					1	3.36	0.9	Yes	Napropamide	15299-99-7					1.6E+03	6.4E+03		1.3E+03	
				1.1E-02	C	1.4E-05	C			0.04		1	Yes	Nickel Carbonyl	13463-39-3					1.7E+02	1.0E+03		1.5E+02	
				1.1E-02	C	2.0E-05	C			1		1	Yes	Nickel Oxide	1313-99-1					1.7E+02	2.6E+04		1.7E+02	
		2.4E-04	I	1.1E-02	C	1.4E-05	C			0.04			Yes	Nickel Refinery Dust	NA					1.7E+02	5.2E+03		1.7E+02	
		2.6E-04	C	2.0E-02	I	9.0E-05	A			0.04		1	Yes	Nickel Soluble Salts	7440-02-0					3.1E+02	9.5E+03		3.0E+02	
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			0.04		1	Yes	Nickel Subsulfide	12035-72-2	4.0E-02	1.5E+00		3.9E-02	1.7E+02	5.2E+03		1.7E+02	
				1.6E+00	I					1		1	Yes	Nitrate	14797-55-8					2.5E+04	3.8E+06		2.5E+04	1.0E+04
										1			Yes	Nitrate + Nitrite (as N)	NA									1.0E+04
				1.0E-01	I					1		1	Yes	Nitrite	14797-65-0					1.6E+03	2.4E+05		1.6E+03	1.0E+03
				1.0E-02	X	5.0E-05	X			1	1.85	1	Yes	Nitroaniline, 2-	88-74-4					1.6E+02	2.4E+03		1.5E+02	
2.0E-02	P			4.0E-03	P	6.0E-03	P			1	1.39	1	Yes	Nitroaniline, 4-	100-01-6	3.4E+00	1.1E+02		3.3E+00	6.3E+01	2.0E+03		6.1E+01	
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		1	1.85	1	Yes	Nitrobenzene	98-95-3			1.2E-01	1.2E-01	3.1E+01	4.4E+02	1.9E+01	1.1E+01	
				3.0E+03	P					1	-4.56	1	No	Nitrocellulose	9004-70-0					4.7E+07			4.7E+07	
				7.0E-02	H					1	-0.47	1	Yes	Nitrofurantoin	67-20-9					1.1E+03	1.1E+06		1.1E+03	
1.3E+00	C	3.7E-04	C							1	0.23	1	Yes	Nitrofurazone	59-87-0	5.2E-02	1.4E+01		5.2E-02					
1.7E-02	P			1.0E-04	P					1	1.62	1	Yes	Nitroglycerin	55-63-0	4.0E+00	1.6E+02		3.9E+00	1.6E+00	6.2E+01		1.5E+00	
				1.0E-01	I					1	-0.89	1	Yes	Nitroguanidine	556-88-7					1.6E+03	1.3E+06		1.6E+03	
		8.8E-06	P			5.0E-03	P	V		1	-0.35	1	Yes	Nitromethane	75-52-5			5.5E-01	5.5E-01			1.0E+01	1.0E+01	
		2.7E-03	H			2.0E-02	I	V		1	0.93	1	Yes	Nitropropane, 2-	79-46-9			1.8E-03	1.8E-03			4.2E+01	4.2E+01	
2.7E+01	C	7.7E-03	C						M	1	0.23	1	Yes	Nitroso-N-ethylurea, N-	759-73-9	8.0E-04	1.4E-01		7.9E-04					
1.2E+02	C	3.4E-02	C						M	1	-0.03	1	Yes	Nitroso-N-methylurea, N-	684-93-5	1.8E-04	4.3E-02		1.8E-04					
5.4E+00	I	1.6E-03	I					V		1	2.63	1	Yes	Nitroso-di-N-butylamine, N-	924-16-3	1.2E-02	6.7E-02	3.0E-03	2.4E-03					
7.0E+00	I	2.0E-03	C							1	1.36	1	Yes	Nitroso-di-N-propylamine, N-	621-64-7	9.6E-03	3.0E-01		9.3E-03					
2.8E+00	I	8.0E-04	C							1	-1.28	1	Yes	Nitrosodiethanolamine, N-	1116-54-7	2.4E-02	6.9E+01		2.4E-02					
1.5E+02	I	4.3E-02	I						M	1	0.48	1	Yes	Nitrosodiethylamine, N-	55-18-5	1.4E-04	1.6E-02		1.4E-04					
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X		M	1	-0.57	1	Yes	Nitrosodimethylamine, N-	62-75-9	4.2E-04	1.9E-01		4.2E-04	1.3E-01	4.9E+01		1.2E-01	
4.9E-03	I	2.6E-06	C							1	3.13	1	Yes	Nitrosodiphenylamine, N-	86-30-6	1.4E+01	4.4E+01		1.0E+01					
2.2E+01	I	6.3E-03	C							1	0.04	1	Yes	Nitrosomethylethylamine, N-	10595-95-6	3.1E-03	5.5E-01		3.0E-03					
6.7E+00	C	1.9E-03	C							1	-0.44	1	Yes	Nitrosomorpholine [N-]	59-89-2	1.0E-02	4.5E+00		1.0E-02					
9.4E+00	C	2.7E-03	C							1	0.36	1	Yes	Nitrosopiperidine [N-]	100-75-4	7.2E-03	9.3E-01		7.1E-03					
2.1E+00	I	6.1E-04	I							1	-0.19	1	Yes	Nitrosopyrrolidine, N-	930-55-2	3.2E-02	8.8E+00		3.2E-02					
				1.0E-04	X					1	2.45	1	Yes	Nitrotoluene, m-	99-08-1					1.6E+00	9.7E+00		1.3E+00	
2.2E-01	P			9.0E-04	P			V		1	2.3	1	Yes	Nitrotoluene, o-	88-72-2	3.1E-01	2.4E+00		2.7E-01	1.4E+01	1.1E+02		1.2E+01	
1.6E-02	P			4.0E-03	P					1	2.37	1	Yes	Nitrotoluene, p-	99-99-0	4.2E+00	2.9E+01		3.7E+00	6.3E+01	4.4E+02		5.5E+01	
				3.0E-04	X	2.0E-02	P	V		1	5.65	1	No	Nonane, n-	111-84-2					4.7E+00		4.2E+01	4.2E+00	
				4.0E-02	I					1	2.3	1	Yes	Norflurazon	27314-13-2					6.3E+02	1.4E+04		6.0E+02	
				7.0E-04	I					1	3.7	0.9	Yes	Nustar	85509-19-9					1.1E+01	3.5E+01		8.3E+00	
				3.0E-03	I					1	8.71	0.3	No	Octabromodiphenyl Ether	32536-52-0					4.7E+01			4.7E+01	
				5.0E-02	I					1	0.16	1	Yes	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0					7.8E+02	4.5E+05		7.8E+02	
				2.0E-03	H					1	-1.01	1	Yes	Octamethylpyrophosphoramide	152-16-9					3.1E+01	1.0E+05		3.1E+01	
				5.0E-02	I					1	3.73	0.9	Yes	Oryzalin	19044-88-3					7.8E+02	2.9E+03		6.2E+02	
				5.0E-03	I					1	4.8	0.8	Yes	Oxadiazon	19666-30-9					7.8E+01	6.4E+01		3.5E+01	
				2.5E-02	I					1	-0.47	1	Yes	Oxamyl	23135-22-0					3.9E+02	3.6E+05		3.9E+02	2.0E+02
				1.3E-02	I					1	3.2	0.9	Yes	Paclobutrazol	76738-62-0					2.0E+02	1.2E+03		1.7E+02	
				4.5E-03	I					1	-4.5	1	No	Paraquat Dichloride	1910-42-5					7.0E+01			7.0E+01	
				6.0E-03	H					1	3.83	0.9	Yes	Parathion	56-38-2					9.4E+01	2.1E+02		6.5E+01	
				5.0E-02	H					1	3.83	1	Yes	Pebulate	1114-71-2					7.8E+02	9.0E+02		4.2E+02	
				4.0E-02	I					1	5.18	0.9	Yes	Pendimethalin	40487-42-1					6.3E+02	1.7E+02		1.3E+02	
				2.0E-03	I					1	6.84	0.6	No	Pentabromodiphenyl Ether	32534-81-9					3.1E+01			3.1E+01	
				1.0E-04	I					1	6.84	0.6	No	Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9					1.6E+00			1.6E+00	
				8.0E-04	I					1	5.17	0.9	Yes	Pentachlorobenzene	608-93-5					1.3E+01	2.8E+00		2.3E+00	
9.0E-02	P									1	3.22	1	Yes	Pentachloroethane	76-01-7	7.5E-01	2.2E+00		5.6E-01					
2.6E-01	H			3.0E-03	I					1	4.64	0.9	Yes	Pentachloronitrobenzene	82-68-8	2.6E-01	1.7E-01		1.0E-01	4.7E+01	3.1E+01		1.9E+01	
4.0E-01	I	5.1E-06	C	5.0E-03	I					1	5.12	0.9	Yes	Pentachlorophenol	87-86-5	1.7E-01	4.5E-02		3.5E-02	7.8E+01	2.1E+01		1.6E+01	1.0E+00
4.0E-03	X			2.0E-03	P					1	2.38	1	Yes	Pentaerythritol tetranitrate (PETN)	78-11-5	1.7E+01	3.7E+02		1.6E+01	3.1E+01	6.8E+02		3.0E+01	
						1.0E+00	P	V		1	3.39	1	Yes	Pentane, n-	109-66-0							2.1E+03	2.1E+03	

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Toxicity and Chemical-specific Information												Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
														Perchlorates										
				7.0E-04	I					1		1	Yes	~Ammonium Perchlorate	7790-98-9					1.1E+01	1.7E+03		1.1E+01	
				7.0E-04	I					1		1	Yes	~Lithium Perchlorate	7791-03-9					1.1E+01	1.7E+03		1.1E+01	
				7.0E-04	I					1		1	Yes	~Perchlorate and Perchlorate Salts	14797-73-0					1.1E+01	1.7E+03		1.1E+01	1.5E+01(F)
				7.0E-04	I					1		1	Yes	~Potassium Perchlorate	7778-74-7					1.1E+01	8.3E+02		1.1E+01	
				7.0E-04	I					1		1	Yes	~Sodium Perchlorate	7601-89-0					1.1E+01	1.7E+03		1.1E+01	
				5.0E-02	I					1	6.5	0.6	No	Permethrin	52645-53-1					7.8E+02			7.8E+02	
2.2E-03	C	6.3E-07	C							1	1.58	1	Yes	Phenacetin	62-44-2	3.1E+01	9.4E+02		3.0E+01					
				2.5E-01	I					1	3.59	0.9	Yes	Phenmedipham	13684-63-4					3.9E+03	1.3E+04		3.0E+03	
				3.0E-01	I	2.0E-01	C			1	1.46	1	Yes	Phenol	108-95-2					4.7E+03	9.6E+04		4.5E+03	
				5.0E-04	X					1	4.15	1	Yes	Phenothiazine	92-84-2					7.8E+00	5.4E+00		3.2E+00	
				6.0E-03	I					1	-0.33	1	Yes	Phenylenediamine, m-	108-45-2					9.4E+01	3.4E+04		9.4E+01	
4.7E-02	H									1	0.15	1	Yes	Phenylenediamine, o-	95-54-5	1.4E+00	2.5E+02		1.4E+00					
				1.9E-01	H					1	-0.3	1	Yes	Phenylenediamine, p-	106-50-3					3.0E+03	1.0E+06		3.0E+03	
1.9E-03	H									1	3.09	1	Yes	Phenylphenol, 2-	90-43-7	3.5E+01	1.0E+02		2.6E+01					
				2.0E-04	H					1	3.56	0.9	Yes	Phorate	298-02-2					3.1E+00	8.7E+00		2.3E+00	
						3.0E-04	I	V		1				Phosgene	75-44-5									
				2.0E-02	I					1	2.78	1	Yes	Phosmet	732-11-6					3.1E+02	3.7E+03		2.9E+02	
														Phosphates, Inorganic										
				4.9E+01	P					1		1	Yes	~Aluminum metaphosphate	13776-88-0					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Ammonium polyphosphate	68333-79-9					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Calcium pyrophosphate	7790-76-3					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Diammonium phosphate	7783-28-0					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Dicalcium phosphate	7757-93-9					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Dimagnesium phosphate	7782-75-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Dipotassium phosphate	7758-11-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Disodium phosphate	7558-79-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monoaluminum phosphate	13530-50-2					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monoammonium phosphate	7722-76-1					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monocalcium phosphate	7758-23-8					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monomagnesium phosphate	7757-86-0					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monopotassium phosphate	7778-77-0					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Monosodium phosphate	7558-80-7					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Polyphosphoric acid	8017-16-1					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Potassium tripolyphosphate	13845-36-8					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Sodium acid pyrophosphate	7758-16-9					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Sodium aluminum phosphate (acidic)	7785-88-8					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Sodium aluminum phosphate (anhydrous)	10279-59-1					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Sodium aluminum phosphate (tetrahydrate)	10305-76-7					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		0.9	Yes	~Sodium hexametaphosphate	10124-56-8					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Sodium polyphosphate	68915-31-1					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Sodium trimetaphosphate	7785-84-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Sodium tripolyphosphate	7758-29-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Tetrapotassium phosphate	7320-34-5					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Tetrasodium pyrophosphate	7722-88-5					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1			Yes	~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Tricalcium phosphate	7758-87-4					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Trimagnesium phosphate	7757-87-1					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Tripotassium phosphate	7778-53-2					7.6E+05	1.2E+08		7.6E+05	
				4.9E+01	P					1		1	Yes	~Trisodium phosphate	7601-54-9					7.6E+05	1.2E+08		7.6E+05	
				3.0E-04	I	3.0E-04	I			1		1	Yes	Phosphine	7803-51-2					4.7E+00	7.1E+02		4.7E+00	
				4.9E+01	P	1.0E-02	I			1		1	Yes	Phosphoric Acid	7664-38-2					7.6E+05	1.2E+08		7.6E+05	
				2.0E-05	I					1		1	Yes	Phosphorus, White	7723-14-0					3.1E-01	4.7E+01		3.1E-01	
														Phthalates										
1.4E-02	I	2.4E-06	C	2.0E-02	I					1	7.6	0.8	No	~Bis(2-ethylhexyl)phthalate	117-81-7	4.8E+00			4.8E+00	3.1E+02			3.1E+02	6.0E+00
				1.0E+00	I					1	4.15	0.9	Yes	~Butylphthalyl Butylglycolate	85-70-1					1.6E+04	2.9E+04		1.0E+04	
				1.0E-01	I					1	4.5	0.9	Yes	~Dibutyl Phthalate	84-74-2					1.6E+03	1.2E+03		6.7E+02	
				8.0E-01	I					1	2.42	1	Yes	~Diethyl Phthalate	84-66-2					1.3E+04	1.4E+05		1.1E+04	
				1.0E-01	I			V		1	2.25	1	Yes	~Dimethylterephthalate	120-61-6					1.6E+03	1.9E+04		1.4E+03	
				1.0E-02	P					1	8.1	0	No	~Octyl Phthalate, di-N-	117-84-0					1.6E+02			1.6E+02	
				1.0E+00	H					1	2	1	Yes	~Phthalic Acid, P-	100-21-0					1.6E+04	2.3E+05		1.5E+04	
				2.0E+00	I	2.0E-02	C			1	1.6	1	Yes	~Phthalic Anhydride	85-44-9					3.1E+04	7.6E+05		3.0E+04	
				7.0E-02	I					1	1.9	1	Yes	Picloram	1918-02-1					1.1E+03	3.1E+04		1.1E+03	5.0E+02
				1.0E-04	X					1	0.93	1	Yes	Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3					1.6E+00	1.5E+02		1.5E+00	
				1.0E-02	I					1	4.2	0.9	Yes	Pirimiphos, Methyl	29232-93-7					1.6E+02	2.2E+02		9.1E+01	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
3.0E+01	C	8.6E-03	C	7.0E-06	H					1			No	Polybrominated Biphenyls	59536-65-1	2.2E-03			2.2E-03	1.1E-01			1.1E-01	
														Polychlorinated Biphenyls (PCBs)										
7.0E-02	S	2.0E-05	S	7.0E-05	I					1	5.62	0.9	No	~Aroclor 1016	12674-11-2	9.6E-01			9.6E-01	1.1E+00			1.1E+00	
2.0E+00	S	5.7E-04	S					V		1	4.65	1	Yes	~Aroclor 1221	11104-28-2	3.4E-02	1.0E-02	8.5E-03	4.0E-03					
2.0E+00	S	5.7E-04	S					V		1	4.65	1	Yes	~Aroclor 1232	11141-16-5	3.4E-02	1.0E-02	8.5E-03	4.0E-03					
2.0E+00	S	5.7E-04	S							1	6.29	0.7	No	~Aroclor 1242	53469-21-9	3.4E-02			3.4E-02					
2.0E+00	S	5.7E-04	S							1	6.2	0.7	No	~Aroclor 1248	12672-29-6	3.4E-02			3.4E-02					
2.0E+00	S	5.7E-04	S	2.0E-05	I					1	6.5	0.5	No	~Aroclor 1254	11097-69-1	3.4E-02			3.4E-02	3.1E-01			3.1E-01	
2.0E+00	S	5.7E-04	S							1	7.55	0	No	~Aroclor 1260	11096-82-5	3.4E-02			3.4E-02					
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	8.27	0	No	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	7.5	0	No	~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	7.6	0	No	~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	7.6	0	No	~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+03	E	1.1E+00	E	2.3E-08	E	1.3E-06	E			1	7.41	0.1	No	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.7E-05			1.7E-05	3.7E-04			3.7E-04	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	6.98	0.4	No	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	7.12	0.3	No	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	6.79	0.5	No	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			1	6.98	0.4	No	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.7E-02			1.7E-02	3.7E-01			3.7E-01	
1.3E+04	E	3.8E+00	E	7.0E-09	E	4.0E-07	E			1	6.98	0.4	No	~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	5.2E-06			5.2E-06	1.1E-04			1.1E-04	
2.0E+00	I	5.7E-04	I							1				~Polychlorinated Biphenyls (high risk)	1336-36-3									
4.0E-01	I	1.0E-04	I							1	7.1	0.7	No	~Polychlorinated Biphenyls (low risk)	1336-36-3	1.7E-01			1.7E-01					5.0E-01
7.0E-02	I	2.0E-05	I							1				~Polychlorinated Biphenyls (lowest risk)	1336-36-3									
1.3E+01	E	3.8E-03	E	7.0E-06	E	4.0E-04	E			1	6.63	0.6	No	~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	5.2E-03			5.2E-03	1.1E-01			1.1E-01	
3.9E+01	E	1.1E-02	E	2.3E-06	E	1.3E-04	E			1	6.34	0.7	No	~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.7E-03			1.7E-03	3.7E-02			3.7E-02	
						6.0E-04	I			1	10.46	0	No	Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9									
														Polynuclear Aromatic Hydrocarbons (PAHs)										
				6.0E-02	I			V		1	3.92	1	Yes	~Acenaphthene	83-32-9					9.4E+02	6.8E+02		4.0E+02	
				3.0E-01	I			V		1	4.45	1	Yes	~Anthracene	120-12-7					4.7E+03	1.8E+03		1.3E+03	
7.3E-01	E	1.1E-04	C						M	1	5.76	1	No	~Benz[a]anthracene	56-55-3	2.9E-02			2.9E-02					
1.2E+00	C	1.1E-04	C							1	6.11	0.9	No	~Benzo(j)fluoranthene	205-82-3	5.6E-02			5.6E-02					
7.3E+00	I	1.1E-03	C						M	1	6.13	1	No	~Benzo[a]pyrene	50-32-8	2.9E-03			2.9E-03					2.0E-01
7.3E-01	E	1.1E-04	C						M	1	5.78	1	No	~Benzo[b]fluoranthene	205-99-2	2.9E-02			2.9E-02					
7.3E-02	E	1.1E-04	C						M	1	6.11	0.9	No	~Benzo[k]fluoranthene	207-08-9	2.9E-01			2.9E-01					
				8.0E-02	I			V		1	3.9	1	Yes	~Chloronaphthalene, Beta-	91-58-7					1.3E+03	9.9E+02		5.5E+02	
7.3E-03	E	1.1E-05	C						M	1	5.81	1	No	~Chrysene	218-01-9	2.9E+00			2.9E+00					
7.3E+00	E	1.2E-03	C						M	1	6.75	0.6	No	~Dibenz[a,h]anthracene	53-70-3	2.9E-03			2.9E-03					
1.2E+01	C	1.1E-03	C							1	7.71	0.3	No	~Dibenzo(a,e)pyrene	192-65-4	5.6E-03			5.6E-03					
2.5E+02	C	7.1E-02	C						M	1	5.8	0.9	No	~Dimethylbenz(a)anthracene, 7,12-	57-97-6	8.6E-05			8.6E-05					
				4.0E-02	I					1	5.16	1	No	~Fluoranthene	206-44-0					6.3E+02			6.3E+02	
				4.0E-02	I			V		1	4.18	1	Yes	~Fluorene	86-73-7					6.3E+02	3.3E+02		2.2E+02	
7.3E-01	E	1.1E-04	C						M	1	6.7	0.6	No	~Indeno[1,2,3-cd]pyrene	193-39-5	2.9E-02			2.9E-02					
2.9E-02	P			7.0E-02	A			V		1	3.87	1	Yes	~Methylnaphthalene, 1-	90-12-0	2.3E+00	1.7E+00		9.7E-01	1.1E+03	7.9E+02		4.6E+02	
				4.0E-03	I			V		1	3.86	1	Yes	~Methylnaphthalene, 2-	91-57-6					6.3E+01	4.6E+01		2.7E+01	
		3.4E-05	C	2.0E-02	I	3.0E-03	I	V		1	3.3	1	Yes	~Naphthalene	91-20-3			1.4E-01	1.4E-01	3.1E+02	5.0E+02	6.3E+00	6.1E+00	
1.2E+00	C	1.1E-04	C							1	4.75	0.9	Yes	~Nitropyrene, 4-	57835-92-4	5.6E-02	2.3E-02		1.6E-02					
				3.0E-02	I			V		1	4.88	1	Yes	~Pyrene	129-00-0					4.7E+02	1.1E+02		8.7E+01	
1.5E-01	I			9.0E-03	I					1	4.1	0.9	Yes	Prochloraz	67747-09-5	4.5E-01	1.2E+00		3.2E-01	1.4E+02	3.6E+02		1.0E+02	
				6.0E-03	H					1	5.58	0.8	Yes	Profluralin	26399-36-0					9.4E+01	2.3E+01		1.9E+01	
				1.5E-02	I					1	2.99	1	Yes	Prometon	1610-18-0					2.3E+02	1.1E+03		1.9E+02	
				4.0E-03	I					1	3.51	0.9	Yes	Prometryn	7287-19-6					6.3E+01	1.7E+02		4.5E+01	
				1.3E-02	I					1	2.18	1	Yes	Propachlor	1918-16-7					2.0E+02	3.1E+03		1.9E+02	
				5.0E-03	I					1	3.07	1	Yes	Propanil	709-98-8					7.8E+01	3.1E+02		6.3E+01	
				2.0E-02	I					1	5	0.8	Yes	Propargite	2312-35-8					3.1E+02	1.9E+02		1.2E+02	
				2.0E-03	I					1	-0.38	1	Yes	Propargyl Alcohol	107-19-7					3.1E+01	7.8E+03		3.1E+01	
				2.0E-02	I					1	2.93	1	Yes	Propazine	139-40-2					3.1E+02	1.7E+03		2.6E+02	
				2.0E-02	I					1	2.6	1	Yes	Propham	122-42-9					3.1E+02	2.0E+03		2.7E+02	
				1.3E-02	I					1	3.72	0.9	Yes	Propiconazole	60207-90-1					2.0E+02	7.5E+02		1.6E+02	
						8.0E-03	I	V		1	0.59	1	Yes	Propionaldehyde	123-38-6							1.7E+01	1.7E+01	
				1.0E-01	X	1.0E+00	X	V		1	3.69	1	Yes	Propyl benzene	103-65-1					1.6E+03	1.3E+03	2.1E+03	5.3E+02	
						3.0E+00	C	V		1	1.77	1	Yes	Propylene	115-07-1							6.3E+03	6.3E+03	
				2.0E+01	P					1	-0.92	1	Yes	Propylene Glycol	57-55-6					3.1E+05	2.1E+08		3.1E+05	
						2.7E-04	A			1	1.59	1	Yes	Propylene Glycol Dinitrate	6423-43-4									
				7.0E-01	H					1	0	1	Yes	Propylene Glycol Monoethyl Ether	1569-02-4					1.1E+04	2.2E+06		1.1E+04	
				7.0E-01	H	2.0E+00	I			1	-0.49	1	Yes	Propylene Glycol Monomethyl Ether	107-98-2					1.1E+04	2.7E+06		1.1E+04	
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		1	0.03	1	Yes	Propylene Oxide	75-56-9	2.8E-01	4.0E+01	1.3E+00	2.3E-01			6.3E+01	6.3E+01	

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Toxicity and Chemical-specific Information													Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD$_o$ (mg/kg-day)	key	RfC$_i$ (mg/m^3)	key	voc	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
				2.5E-01	I					1	2.6	1	Yes	Pursuit	81335-77-5					3.9E+03	5.1E+04		3.6E+03	
				2.5E-02	I					1	6.2	0.7	No	Pydrin	51630-58-1					3.9E+02			3.9E+02	
				1.0E-03	I			V		1	0.65	1	Yes	Pyridine	110-86-1					1.6E+01	9.9E+02		1.5E+01	
				5.0E-04	I					1	4.44	0.9	Yes	Quinalphos	13593-03-8					7.8E+00	7.3E+00		3.8E+00	
3.0E+00	I									1	2.03	1	Yes	Quinoline	91-22-5	2.2E-02	2.5E-01		2.1E-02					
						3.0E-02	A			1			Yes	Refractory Ceramic Fibers	NA									
				3.0E-02	I					1	6.14	0.7	Yes	Resmethrin	10453-86-8					4.7E+02	5.4E+01		4.8E+01	
				5.0E-02	H					1	4.88	0.8	Yes	Ronnel	299-84-3					7.8E+02	4.8E+02		3.0E+02	
				4.0E-03	I					1	4.1	0.9	Yes	Rotenone	83-79-4					6.3E+01	1.8E+02		4.7E+01	
2.2E-01	C	6.3E-05	C						M	1	3.45	1	Yes	Safrole	94-59-7	9.8E-02	5.6E-01		8.3E-02					
				2.5E-02	I					1	5.57	0.8	Yes	Savey	78587-05-0					3.9E+02	1.0E+02		8.1E+01	
				5.0E-03	I					1		1	Yes	Selenious Acid	7783-00-8					7.8E+01	1.2E+04		7.8E+01	
				5.0E-03	I	2.0E-02	C			1		1	Yes	Selenium	7782-49-2					7.8E+01	1.2E+04		7.8E+01	5.0E+01
				5.0E-03	C	2.0E-02	C			1		1	Yes	Selenium Sulfide	7446-34-6					7.8E+01	1.2E+04		7.8E+01	
				9.0E-02	I					1	4.38	0.9	Yes	Sethoxydim	74051-80-2					1.4E+03	1.7E+03		7.8E+02	
						3.0E-03	C			1		1	Yes	Silica (crystalline, respirable)	7631-86-9									
				5.0E-03	I					0.04		1	Yes	Silver	7440-22-4					7.8E+01	7.9E+02		7.1E+01	
1.2E-01	H			5.0E-03	I					1	2.18	1	Yes	Simazine	122-34-9	5.6E-01	7.9E+00		5.2E-01	7.8E+01	1.1E+03		7.3E+01	4.0E+00
				1.3E-02	I					1	0.37	1	Yes	Sodium Acifluorfen	62476-59-9					2.0E+02	1.5E+05		2.0E+02	
				4.0E-03	I					1		1	Yes	Sodium Azide	26628-22-8					6.3E+01	9.5E+03		6.2E+01	
2.7E-01	H			3.0E-02	I					1	-1.431	1	Yes	Sodium Diethyldithiocarbamate	148-18-5	2.5E-01	7.3E+02		2.5E-01	4.7E+02	1.4E+06		4.7E+02	
				5.0E-02	A	1.3E-02	C			1		1	Yes	Sodium Fluoride	7681-49-4					7.8E+02	1.2E+05		7.8E+02	
				2.0E-05	I					1	-3.78	1	No	Sodium Fluoroacetate	62-74-8					3.1E-01			3.1E-01	
				1.0E-03	H					1		1	Yes	Sodium Metavanadate	13718-26-8					1.6E+01	2.4E+03		1.6E+01	
2.4E-02	H			3.0E-02	I					1	3.53	0.9	Yes	Stirofos (Tetrachlorovinphos)	961-11-5	2.8E+00	1.6E+01		2.4E+00	4.7E+02	2.7E+03		4.0E+02	
				6.0E-01	I					1		1	Yes	Strontium, Stable	7440-24-6					9.4E+03	1.4E+06		9.3E+03	
				3.0E-04	I					1	1.93	1	Yes	Strychnine	57-24-9					4.7E+00	2.3E+02		4.6E+00	
				2.0E-01	I	1.0E+00	I	V		1	2.95	1	Yes	Styrene	100-42-5					3.1E+03	7.1E+03	2.1E+03	1.1E+03	1.0E+02
				1.0E-03	P	2.0E-03	P			1	-0.77	1	Yes	Sulfolane	126-33-0					1.6E+01	1.2E+04		1.6E+01	
				8.0E-04	P					1	3.9	0.9	Yes	Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9					1.3E+01	2.5E+01		8.3E+00	
						1.0E-03	C			1		1	Yes	Sulfuric Acid	7664-93-9									
				2.5E-02	I					1	2.94	0.9	Yes	Systhane	88671-89-0					3.9E+02	3.4E+03		3.5E+02	
				3.0E-02	H					1	3.3	0.9	Yes	TCMTB	21564-17-0					4.7E+02	1.7E+03		3.7E+02	
				7.0E-02	I					1	1.79	1	Yes	Tebuthiuron	34014-18-1					1.1E+03	3.3E+04		1.1E+03	
				2.0E-02	H					1	5.96	0.7	No	Temephos	3383-96-8					3.1E+02			3.1E+02	
				1.3E-02	I					1	1.89	1	Yes	Terbacil	5902-51-2					2.0E+02	4.9E+03		2.0E+02	
				2.5E-05	H					1	4.48	0.9	Yes	Terbufos	13071-79-9					3.9E-01	3.2E-01		1.8E-01	
				1.0E-03	I					1	3.74	0.9	Yes	Terbutryn	886-50-0					1.6E+01	2.9E+01		1.0E+01	
				1.0E-04	I					1	6.77	0.6	No	Tetrabromodiphenyl Ether, 2,2',4,4'- (BDE-47)	5436-43-1					1.6E+00			1.6E+00	
				3.0E-04	I					1	4.64	1	Yes	Tetrachlorobenzene, 1,2,4,5-	95-94-3					4.7E+00	1.7E+00		1.2E+00	
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		1	2.93	1	Yes	Tetrachloroethane, 1,1,1,2-	630-20-6	2.6E+00	9.3E+00	6.6E-01	5.0E-01	4.7E+02	1.7E+03		3.7E+02	
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		1	2.39	1	Yes	Tetrachloroethane, 1,1,2,2-	79-34-5	3.4E-01	2.8E+00	8.4E-02	6.6E-02	3.1E+02	2.6E+03		2.8E+02	
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		1	3.4	1	Yes	Tetrachloroethylene	127-18-4	3.2E+01	5.6E+01	1.9E+01	9.7E+00	9.4E+01	1.6E+02	8.3E+01	3.5E+01	5.0E+00
				3.0E-02	I					1	4.45	0.9	Yes	Tetrachlorophenol, 2,3,4,6-	58-90-2					4.7E+02	2.8E+02		1.7E+02	
2.0E+01	H									1	4.54	0.9	Yes	Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	3.4E-03	1.7E-03		1.1E-03					
				5.0E-04	I					1	3.99	0.9	Yes	Tetraethyl Dithiopyrophosphate	3689-24-5					7.8E+00	1.7E+01		5.3E+00	
						8.0E+01	I	V		1	1.68	1	Yes	Tetrafluoroethane, 1,1,1,2-	811-97-2							1.7E+05	1.7E+05	
				2.0E-03	P					1	1.64	1	Yes	Tetryl (Trinitrophenylmethylnitramine)	479-45-8					3.1E+01	1.8E+03		3.1E+01	
				7.0E-06	X					1		1	Yes	Thallium (I) Nitrate	10102-45-1					1.1E-01	1.7E+01		1.1E-01	
				1.0E-05	X					1		1	Yes	Thallium (Soluble Salts)	7440-28-0					1.6E-01	2.4E+01		1.6E-01	2.0E+00
				6.0E-06	X					1		1	Yes	Thallium Acetate	563-68-8					9.4E-02	1.4E+01		9.3E-02	
				2.0E-05	X					1		0.9	Yes	Thallium Carbonate	6533-73-9					3.1E-01	4.7E+01		3.1E-01	
				6.0E-06	X					1		1	Yes	Thallium Chloride	7791-12-0					9.4E-02	1.4E+01		9.3E-02	
				2.0E-05	X					1		0.9	Yes	Thallium Sulfate	7446-18-6					3.1E-01	4.7E+01		3.1E-01	
				1.0E-02	I					1	3.4	0.9	Yes	Thiobencarb	28249-77-6					1.6E+02	5.5E+02		1.2E+02	
				7.0E-02	X					1	-0.63	1	Yes	Thiodiglycol	111-48-8					1.1E+03	6.8E+05		1.1E+03	
				3.0E-04	H					1	2.75	1	Yes	Thiofanox	39196-18-4					4.7E+00	3.1E+01		4.1E+00	
				8.0E-02	I					1	1.4	1	Yes	Thiophanate, Methyl	23564-05-8					1.3E+03	1.5E+05		1.2E+03	
				5.0E-03	I					1	1.73	1	Yes	Thiram	137-26-8					7.8E+01	2.8E+03		7.6E+01	
				6.0E-01	H					1		1	Yes	Tin	7440-31-5					9.4E+03	1.4E+06		9.3E+03	
						1.0E-04	A			1		1	Yes	Titanium Tetrachloride	7550-45-0									
				8.0E-02	I	5.0E+00	I	V		1	2.73	1	Yes	Toluene	108-88-3					1.3E+03	3.7E+03	1.0E+04	8.6E+02	1.0E+03
1.8E-01	X			2.0E-04	X					1	0.16	1	Yes	Toluene-2,5-diamine	95-70-5	3.7E-01	7.0E+01		3.7E-01	3.1E+00	5.9E+02		3.1E+00	
3.0E-02	P			4.0E-03	X					1	1.39	1	Yes	Toluidine, p-	106-49-0	2.2E+00	5.8E+01		2.2E+00	6.3E+01	1.6E+03		6.0E+01	
				3.0E+00	P					1	6.1	1	No	Total Petroleum Hydrocarbons (Aliphatic High)	NA					4.7E+04			4.7E+04	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information														Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1				
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD$_o$ (mg/kg-day)	key	RfC$_i$ (mg/m^3)	key	vol	muta-gen	GIABS	LOGP	FA	In EPD?	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)
		1.9E-07	P			6.E-01	P	V		1	3.9	1	Yes	Total Petroleum Hydrocarbons (Aliphatic Low)	NA			2.6E+01	2.6E+01			1.3E+03	1.3E+03	
		4.5E-06	P	1.0E-02	P	1.0E-01	P	V		1	5.65	1	No	Total Petroleum Hydrocarbons (Aliphatic Medium)	NA			1.1E+00	1.1E+00	1.6E+02		2.1E+02	8.9E+01	
7.3E+00	P			4.0E-02	P					1	5.16	1	No	Total Petroleum Hydrocarbons (Aromatic High)	NA	9.2E-03			9.2E-03	6.3E+02			6.3E+02	
5.5E-02	P	7.8E-06	P	4.0E-03	P	3.0E-02	P	V		1	2.13	1	Yes	Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.2E+00	8.4E+00	6.2E-01	3.9E-01	6.3E+01	4.1E+02	6.3E+01	2.9E+01	
				4.0E-03	P	3.0E-03	P	V		1	3.58	1	Yes	Total Petroleum Hydrocarbons (Aromatic Medium)	NA					6.3E+01	6.4E+01	6.3E+00	5.2E+00	
1.1E+00	I	3.2E-04	I							1	5.78	0.8	Yes	Toxaphene	8001-35-2	6.1E-02	1.7E-02		1.3E-02					3.0E+00
				7.5E-03	I					1	7.56	0.5	No	Tralomethrin	66841-25-6					1.2E+02			1.2E+02	
				3.0E-04	A					1	4.1	0.9	Yes	Tri-n-butyltin	688-73-3					4.7E+00	7.0E+00		2.8E+00	
				8.0E+01	X					1	0.25	1	Yes	Triacetin	102-76-1					1.3E+06	3.8E+08		1.2E+06	
				1.3E-02	I					1	4.6	0.9	Yes	Triallate	2303-17-5					2.0E+02	1.5E+02		8.7E+01	
				1.0E-02	I					1	1.1	1	Yes	Triasulfuron	82097-50-5					1.6E+02	4.2E+04		1.6E+02	
				5.0E-03	I					1	4.66	0.9	Yes	Tribromobenzene, 1,2,4-	615-54-3					7.8E+01	5.7E+01		3.3E+01	
9.0E-03	P			1.0E-02	P					1	4	0.9	Yes	Tributyl Phosphate	126-73-8	7.5E+00	1.1E+01		4.5E+00	1.6E+02	2.3E+02		9.3E+01	
				3.0E-04	P					1			No	Tributyltin Compounds	NA					4.7E+00			4.7E+00	
				3.0E-04	I					1	3.84	1	Yes	Tributyltin Oxide	56-35-9					4.7E+00	6.7E+01		4.4E+00	
				3.0E+01	I	3.0E+01	H	V		1	3.16	1	Yes	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1					4.7E+05	1.4E+06	6.3E+04	5.3E+04	
7.0E-02	I			2.0E-02	I					1	1.33	1	Yes	Trichloroacetic Acid	76-03-9	9.6E-01	3.9E+01		9.4E-01	3.1E+02	1.3E+04		3.1E+02	6.0E+01
2.9E-02	H									1	-0.67	1	Yes	Trichloroaniline HCl, 2,4,6-	33663-50-2	2.3E+00	3.2E+03		2.3E+00					
7.0E-03	X			3.0E-05	X					1	3.52	1	Yes	Trichloroaniline, 2,4,6-	634-93-5	9.6E+00	1.7E+01		6.1E+00	4.7E-01	8.3E-01		3.0E-01	
				8.0E-04	X			V		1	4.05	1	Yes	Trichlorobenzene, 1,2,3-	87-61-6					1.3E+01	8.9E+00		5.2E+00	
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		1	4.02	1	Yes	Trichlorobenzene, 1,2,4-	120-82-1	2.3E+00	1.7E+00		9.9E-01	1.6E+02	1.2E+02	4.2E+00	3.9E+00	7.0E+01
				2.0E+00	I	5.0E+00	I	V		1	2.49	1	Yes	Trichloroethane, 1,1,1-	71-55-6					3.1E+04	1.8E+05	1.0E+04	7.5E+03	2.0E+02
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		1	1.89	1	Yes	Trichloroethane, 1,1,2-	79-00-5	1.2E+00	1.7E+01	3.0E-01	2.4E-01	6.3E+01	8.9E+02	4.2E-01	4.1E-01	5.0E+00
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	1	2.42	1	Yes	Trichloroethylene	79-01-6	1.0E+00	6.6E+00	8.6E-01	4.4E-01	7.8E+00	4.9E+01	4.2E+00	2.6E+00	5.0E+00
				3.0E-01	I	7.0E-01	H	V		1	2.53	1	Yes	Trichlorofluoromethane	75-69-4					4.7E+03	2.6E+04	1.5E+03	1.1E+03	
				1.0E-01	I					1	3.72	1	Yes	Trichlorophenol, 2,4,5-	95-95-4					1.6E+03	2.0E+03		8.9E+02	
1.1E-02	I	3.1E-06	I	1.0E-03	P					1	3.69	1	Yes	Trichlorophenol, 2,4,6-	88-06-2	6.1E+00	8.3E+00		3.5E+00	1.6E+01	2.1E+01		9.0E+00	
				1.0E-02	I					1	3.31	0.9	Yes	Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5					1.6E+02	6.2E+02		1.2E+02	
				8.0E-03	I					1	3.8	0.9	Yes	Trichlorophenoxypropionic acid, -2,4,5	93-72-1					1.3E+02	2.6E+02		8.4E+01	5.0E+01
				5.0E-03	I			V		1	2.43	1	Yes	Trichloropropane, 1,1,2-	598-77-6					7.8E+01	5.3E+02		6.8E+01	
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	1	2.27	1	Yes	Trichloropropane, 1,2,3-	96-18-4	7.2E-04	6.7E-03		6.5E-04	6.3E+01	5.4E+02	6.3E-01	6.2E-01	
				3.0E-03	X	3.0E-04	P	V		1	2.78	1	Yes	Trichloropropene, 1,2,3-	96-19-5					4.7E+01	1.8E+02	6.3E-01	6.2E-01	
				2.0E-02	A					1	5.11	0.8	Yes	Tricresyl Phosphate (TCP)	1330-78-5					3.1E+02	1.8E+02		1.2E+02	
				3.0E-03	I					1	5.18	0.8	Yes	Tridiphane	58138-08-2					4.7E+01	1.8E+01		1.3E+01	
						7.0E-03	I	V		1	1.45	1	Yes	Triethylamine	121-44-8							1.5E+01	1.5E+01	
7.7E-03	I			7.5E-03	I					1	5.34	0.8	Yes	Trifluralin	1582-09-8	8.7E+00	2.9E+00		2.2E+00	1.2E+02	3.9E+01		2.9E+01	
2.0E-02	P			1.0E-02	P					1	-0.65	1	Yes	Trimethyl Phosphate	512-56-1	3.4E+00	2.4E+03		3.4E+00	1.6E+02	1.1E+05		1.6E+02	
						5.0E-03	P	V		1	3.66	1	Yes	Trimethylbenzene, 1,2,3-	526-73-8							1.0E+01	1.0E+01	
						7.0E-03	P	V		1	3.63	1	Yes	Trimethylbenzene, 1,2,4-	95-63-6							1.5E+01	1.5E+01	
				1.0E-02	X			V		1	3.42	1	Yes	Trimethylbenzene, 1,3,5-	108-67-8					1.6E+02	2.0E+02		8.7E+01	
				3.0E-02	I					1	1.18	1	Yes	Trinitrobenzene, 1,3,5-	99-35-4					4.7E+02	3.3E+04		4.6E+02	
3.0E-02	I			5.0E-04	I					1	1.6	1	Yes	Trinitrotoluene, 2,4,6-	118-96-7	2.2E+00	9.1E+01		2.2E+00	7.8E+00	3.2E+02		7.6E+00	
				2.0E-02	P					1	2.83	1	Yes	Triphenylphosphine Oxide	791-28-6					3.1E+02	2.7E+03		2.8E+02	
				2.0E-02	A					1	3.65	0.9	Yes	Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8					3.1E+02	2.3E+03		2.8E+02	
				1.0E-02	X					1	2.59	1	Yes	Tris(1-chloro-2-propyl)phosphate	13674-84-5					1.6E+02	2.7E+03		1.5E+02	
2.0E-02	P			7.0E-03	P					1	1.44	1	Yes	Tris(2-chloroethyl)phosphate	115-96-8	3.4E+00	2.5E+02		3.3E+00	1.1E+02	8.3E+03		1.1E+02	
3.2E-03	P			1.0E-01	P					1	9.49	0	No	Tris(2-ethylhexyl)phosphate	78-42-2	2.1E+01			2.1E+01	1.6E+03			1.6E+03	
				3.0E-03	I	4.0E-05	A			1		1	Yes	Uranium (Soluble Salts)	NA					4.7E+01	7.1E+03		4.7E+01	3.0E+01
1.0E+00	C	2.9E-04	C						M	1	-0.15	1	Yes	Urethane	51-79-6	2.2E-02	5.6E+00		2.1E-02					
		8.3E-03	P	9.0E-03	I	7.0E-06	P			0.026		1	Yes	Vanadium Pentoxide	1314-62-1					1.4E+02	5.5E+02		1.1E+02	
				5.0E-03	S	1.0E-04	A			0.026		1	Yes	Vanadium and Compounds	7440-62-2					7.9E+01	3.1E+02		6.3E+01	
				1.0E-03	I					1	3.84	1	Yes	Vernolate	1929-77-7					1.6E+01	1.8E+01		8.3E+00	
				2.5E-02	I					1	3.1	0.9	Yes	Vinclozolin	50471-44-8					3.9E+02	2.6E+03		3.4E+02	
				1.0E+00	H	2.0E-01	I	V		1	0.73	1	Yes	Vinyl Acetate	108-05-4					1.6E+04	9.2E+05	4.2E+02	4.1E+02	
		3.2E-05	H			3.0E-03	I	V		1	1.57	1	Yes	Vinyl Bromide	593-60-2			1.5E-01	1.5E-01			6.3E+00	6.3E+00	
7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	1	1.62	1	Yes	Vinyl Chloride	75-01-4	1.7E-02	2.6E-01	3.2E-01	1.5E-02	4.7E+01	5.8E+02	2.1E+02	3.6E+01	2.0E+00
				3.0E-04	I					1	2.7	1	Yes	Warfarin	81-81-2					4.7E+00	6.0E+01		4.4E+00	
				2.0E-01	S	1.0E-01	S	V		1	3.15	1	Yes	Xylene, P-	106-42-3					3.1E+03	5.3E+03	2.1E+02	1.9E+02	
				2.0E-01	S	1.0E-01	S	V		1	3.2	1	Yes	Xylene, m-	108-38-3					3.1E+03	4.9E+03	2.1E+02	1.9E+02	
				2.0E-01	S	1.0E-01	S	V		1	3.12	1	Yes	Xylene, o-	95-47-6					3.1E+03	5.5E+03	2.1E+02	1.9E+02	
				2.0E-01	I	1.0E-01	I	V		1	3.16	1	Yes	Xylenes	1330-20-7					3.1E+03	5.2E+03	2.1E+02	1.9E+02	1.0E+04
				3.0E-04	I					1		1	Yes	Zinc Phosphide	1314-84-7					4.7E+00	1.2E+03		4.7E+00	
				3.0E-01	I					1		1	Yes	Zinc and Compounds	7440-66-6					4.7E+03	1.2E+06		4.7E+03	
				5.0E-02	I					1	1.3	1	Yes	Zineb	12122-67-7					7.8E+02	6.9E+04		7.7E+02	
				8.0E-05	X					1		1	Yes	Zirconium	7440-67-7					1.3E+00	1.9E+02		1.2E+00	

TR=1E-06
HQ=10

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.8E-02	C	5.1E-06	C	1.5E-01	I					ALAR	1596-84-5	3.7E+00	1.1E+04		3.7E+00	2.3E+03	7.1E+06		2.3E+03		8.2E-04	
8.7E-03	I			4.0E-03	I					Acephate	30560-19-1	7.7E+00	1.0E+04		7.7E+00	6.3E+01	8.1E+04		6.3E+01		1.7E-03	
		2.2E-06	I			9.0E-03	I	V		Acetaldehyde	75-07-0			2.2E+00	2.2E+00			1.9E+01	1.9E+01		4.5E-04	
				2.0E-02	I					Acetochlor	34256-82-1					3.1E+02	2.1E+03		2.7E+02		2.2E-01	
				9.0E-01	I	3.1E+01	A	V		Acetone	67-64-1					1.4E+04	2.9E+06	6.4E+04	1.2E+04		2.4E+00	
						2.0E-03	X	V		Acetone Cyanohydrin	75-86-5							4.2E+00	4.2E+00		8.4E-04	
						6.0E-02	I	V		Acetonitrile	75-05-8							1.3E+02	1.3E+02		2.6E-02	
				1.0E-01	I			V		Acetophenone	98-86-2					1.6E+03	3.3E+04		1.5E+03		4.5E-01	
3.8E+00	C	1.3E-03	C							Acetylaminofluorene, 2-	53-96-3	1.8E-02	5.7E-02		1.3E-02						6.2E-05	
				5.0E-04	I	2.0E-05	I	V		Acrolein	107-02-8					7.8E+00	1.1E+03	4.2E-02	4.1E-02		8.4E-06	
5.0E-01	I	1.0E-04	I	2.0E-03	I	6.0E-03	I		M	Acrylamide	79-06-1	4.3E-02	2.2E+01		4.3E-02	3.1E+01	1.4E+04		3.1E+01		9.1E-06	
				5.0E-01	I	1.0E-03	I			Acrylic Acid	79-10-7					7.8E+03	7.4E+05		7.7E+03		1.6E+00	
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		Acrylonitrile	107-13-1	1.2E-01	1.2E+01	7.2E-02	4.5E-02	6.3E+02	5.8E+04	4.2E+00	4.1E+00		9.8E-06	
						6.0E-03	P			Adiponitrile	111-69-3											
5.6E-02	C			1.0E-02	I					Alachlor	15972-60-8	1.2E+00	3.8E+00		9.1E-01	1.6E+02	4.9E+02		1.2E+02	2.0E+00	7.5E-04	1.6E-03
				1.0E-03	I					Aldicarb	116-06-3					1.6E+01	1.0E+03		1.5E+01	3.0E+00	3.8E-03	7.5E-04
				1.0E-03	I					Aldicarb Sulfone	1646-88-4					1.6E+01	1.7E+04		1.6E+01	2.0E+00	3.4E-03	4.4E-04
										Aldicarb sulfoxide	1646-87-3									4.0E+00		8.8E-04
1.7E+01	I	4.9E-03	I	3.0E-05	I					Aldrin	309-00-2	4.0E-03			4.0E-03	4.7E-01			4.7E-01		6.5E-04	
				2.5E-01	I					Ally	74223-64-6					3.9E+03	1.7E+05		3.8E+03		1.5E+00	
				5.0E-03	I	1.0E-04	X			Allyl Alcohol	107-18-6					7.8E+01	8.6E+03		7.8E+01		1.6E-02	
2.1E-02	C	6.0E-06	C			1.0E-03	I	V		Allyl Chloride	107-05-1	3.2E+00	2.9E+01	8.1E-01	6.3E-01			2.1E+00	2.1E+00		2.0E-04	
				1.0E+00	P	5.0E-03	P			Aluminum	7429-90-5					1.6E+04	2.4E+06		1.6E+04		2.3E+04	
				4.0E-04	I					Aluminum Phosphide	20859-73-8					6.3E+00	9.5E+02		6.2E+00			
				3.0E-04	I					Amdro	67485-29-4					4.7E+00	3.6E+02		4.6E+00		1.7E+03	
				9.0E-03	I					Ametryn	834-12-8					1.4E+02	6.9E+02		1.2E+02		1.2E-01	
2.1E+01	C	6.0E-03	C							Aminobiphenyl, 4-	92-67-1	3.2E-03	1.3E-02		2.6E-03						1.3E-05	
				8.0E-02	P					Aminophenol, m-	591-27-5					1.3E+03	2.0E+05		1.2E+03		4.7E-01	
				2.0E-02	P					Aminophenol, p-	123-30-8					3.1E+02	6.4E+04		3.1E+02		1.2E-01	
				2.5E-03	I					Amitraz	33089-61-1					3.9E+01	6.9E+00		5.9E+00		3.0E+00	
						1.0E-01	I			Ammonia	7664-41-7											
				2.0E-01	I					Ammonium Sulfamate	7773-06-0					3.1E+03	4.7E+05		3.1E+03			
						3.0E-03	X	V		Amyl Alcohol, tert-	75-85-4							6.3E+00	6.3E+00		1.3E-03	
5.7E-03	I	1.6E-06	C	7.0E-03	P	1.0E-03	I			Aniline	62-53-3	1.2E+01	5.9E+02		1.2E+01	1.1E+02	5.3E+03		1.1E+02		3.9E-03	
4.0E-02	P			2.0E-03	X					Anthraquinone, 9,10-	84-65-1	1.7E+00	4.3E+00		1.2E+00	3.1E+01	8.1E+01		2.3E+01		1.2E-02	
				4.0E-04	I					Antimony (metallic)	7440-36-0					6.3E+00	1.4E+02		6.0E+00	6.0E+00	2.7E-01	2.7E-01
				5.0E-04	H					Antimony Pentoxide	1314-60-9					7.8E+00	1.8E+02		7.5E+00			
				9.0E-04	H					Antimony Potassium Tartrate	11071-15-1					1.4E+01	3.2E+02		1.3E+01			
				4.0E-04	H					Antimony Tetroxide	1332-81-6					6.3E+00	1.4E+02		6.0E+00			
						2.0E-04	I			Antimony Trioxide	1309-64-4											
				1.3E-02	I					Apollo	74115-24-5					2.0E+02	1.5E+03		1.8E+02		1.1E+01	
2.5E-02	I	7.1E-06	I	5.0E-02	H					Aramite	140-57-8	2.7E+00	2.0E+00		1.1E+00	7.8E+02	5.8E+02		3.3E+02		1.3E-02	
1.5E+00	I	4.3E-03	I	3.0E-04	I	1.5E-05	C			Arsenic, Inorganic	7440-38-2	4.5E-02	8.3E+00		4.5E-02	4.7E+00	7.1E+02		4.7E+00	1.0E+01	1.3E-03	2.9E-01
				3.5E-06	C	5.0E-05	I			Arsine	7784-42-1					5.5E-02	8.3E+00		5.4E-02			
				9.0E-03	I					Assure	76578-14-8					1.4E+02	2.7E+02		9.3E+01		1.4E+00	
				5.0E-02	I					Asulam	3337-71-1					7.8E+02	5.7E+05		7.8E+02		2.0E-01	
2.3E-01	C			3.5E-02	I					Atrazine	1912-24-9	2.9E-01	2.3E+00		2.6E-01	5.5E+02	4.4E+03		4.9E+02	3.0E+00	1.7E-04	1.9E-03
8.8E-01	C	2.5E-04	C							Auramine	492-80-8	7.6E-02	2.3E-01		5.7E-02						5.2E-04	
				4.0E-04	I					Avermectin B1	65195-55-3					6.3E+00			6.3E+00		1.1E+01	
1.1E-01	I	3.1E-05	I					V		Azobenzene	103-33-3	6.1E-01	6.2E-01	1.6E-01	1.0E-01						8.0E-04	
				2.0E-01	I	5.0E-04	H			Barium	7440-39-3					3.1E+03	3.3E+04		2.9E+03	2.0E+03	1.2E+02	8.2E+01
				4.0E-03	I					Baygon	114-26-1					6.3E+01	2.6E+03		6.1E+01		2.0E-02	
				3.0E-02	I					Bayleton	43121-43-3					4.7E+02	4.9E+03		4.3E+02		3.4E-01	
				2.5E-02	I					Baythroid	68359-37-5					3.9E+02	1.1E+02		8.7E+01		2.3E+01	
				3.0E-01	I					Benefin	1861-40-1					4.7E+03	1.7E+03		1.2E+03		4.1E+01	
				5.0E-02	I					Benomyl	17804-35-2					7.8E+02	2.2E+04		7.5E+02		6.6E-01	
				3.0E-02	I					Bentazon	25057-89-0					4.7E+02	6.7E+03		4.4E+02		9.6E-02	
				1.0E-01	I			V		Benzaldehyde	100-52-7					1.6E+03	3.4E+04		1.5E+03		3.3E-01	
5.5E-02	I	7.8E-06	I	4.0E-03	I	3.0E-02	I	V		Benzene	71-43-2	1.2E+00	8.4E+00	6.2E-01	3.9E-01	6.3E+01	4.1E+02	6.3E+01	2.9E+01	5.0E+00	2.0E-04	2.6E-03
1.0E-01	X			3.0E-04	X					Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	6.7E-01			6.7E-01	4.7E+00			4.7E+00		1.9E-04	
				1.0E-03	P			V		Benzenethiol	108-98-5					1.6E+01	7.3E+01		1.3E+01		8.6E-03	
2.3E+02	I	6.7E-02	I	3.0E-03	I				M	Benzidine	92-87-5	9.4E-05	4.6E-03		9.2E-05	4.7E+01	2.1E+03		4.6E+01		2.4E-07	
				4.0E+00	I					Benzoic Acid	65-85-0					6.3E+04	8.5E+05		5.8E+04		1.4E+01	
1.3E+01	I							V		Benzotrichloride	98-07-7	5.2E-03	5.1E-03		2.6E-03						5.6E-06	
				1.0E-01	P					Benzyl Alcohol	100-51-6					1.6E+03	6.3E+04		1.5E+03		3.7E-01	

TR=1E-06
HQ=1.0

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Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.7E-01	I	4.9E-05	C	2.0E-03	P	1.0E-03	P	V		Benzyl Chloride	100-44-7	4.0E-01	2.9E+00	9.9E-02	7.7E-02	3.1E+01	2.3E+02	2.1E+00	1.9E+00		8.4E-05	
		2.4E-03	I	2.0E-03	I	2.0E-05	I			Beryllium and compounds	7440-41-7					3.1E+01	3.3E+01		1.6E+01	4.0E+00	1.3E+01	3.2E+00
				1.0E-04	I					Bidrin	141-66-2					1.6E+00	7.8E+02		1.6E+00		3.6E-04	
				9.0E-03	P					Bifenox	42576-02-3					1.4E+02	1.6E+02		7.5E+01		5.7E-01	
				1.5E-02	I					Biphenthrin	82657-04-3					2.3E+02			2.3E+02		1.1E+03	
8.0E-03	I			5.0E-01	I	4.0E-04	X	V		Biphenyl, 1,1'-	92-52-4	8.4E+00	5.6E+00		3.3E+00	7.8E+03	5.2E+03	8.3E-01	8.3E-01		8.7E-03	
7.0E-02	H	1.0E-05	H	4.0E-02	I			V		Bis(2-chloro-1-methylethyl) ether	108-60-1	9.6E-01	7.0E+00	4.9E-01	3.1E-01	6.3E+02	4.6E+03		5.5E+02		1.1E-04	
				3.0E-03	P					Bis(2-chloroethoxy)methane	111-91-1					4.7E+01	2.1E+03		4.6E+01		1.1E-02	
1.1E+00	I	3.3E-04	I					V		Bis(2-chloroethyl)ether	111-44-4	6.1E-02	2.3E+00	1.5E-02	1.2E-02						3.1E-06	
2.2E+02	I	6.2E-02	I					V		Bis(chloromethyl)ether	542-88-1	3.1E-04	2.9E-02	7.8E-05	6.2E-05						1.5E-08	
				5.0E-02	I					Bisphenol A	80-05-7					7.8E+02	2.3E+03		5.8E+02		4.4E+01	
				2.0E-01	I	2.0E-02	H			Boron And Borates Only	7440-42-8					3.1E+03	4.7E+05		3.1E+03		9.9E+00	
				2.0E+00	P	2.0E-02	P			Boron Trichloride	10294-34-5					3.1E+04	4.7E+06		3.1E+04			
				4.0E-02	C	1.3E-02	C			Boron Trifluoride	7637-07-2					6.3E+02	9.5E+04		6.2E+02			
7.0E-01	I			4.0E-03	I					Bromate	15541-45-4	9.6E-02	1.8E+01		9.6E-02	6.3E+01	9.5E+03		6.2E+01	1.0E+01	7.4E-04	7.7E-02
2.0E+00	X	6.0E-04	X					V		Bromo-2-chloroethane, 1-	107-04-0	3.4E-02	4.8E-01	8.1E-03	6.4E-03						1.8E-06	
				8.0E-03	I	6.0E-02	I	V		Bromobenzene	108-86-1					1.3E+02	3.8E+02	1.3E+02	5.4E+01		3.6E-02	
						4.0E-02	X	V		Bromochloromethane	74-97-5							8.3E+01	8.3E+01		2.1E-02	
6.2E-02	I	3.7E-05	C	2.0E-02	I			V		Bromodichloromethane	75-27-4	1.1E+00	1.6E+01	1.3E-01	1.2E-01	3.1E+02	4.6E+03		2.9E+02	8.0E+01(F)	3.2E-05	2.2E-02
7.9E-03	I	1.1E-06	I	2.0E-02	I					Bromoform	75-25-2	8.5E+00	1.2E+02		7.9E+00	3.1E+02	4.4E+03		2.9E+02	8.0E+01(F)	2.1E-03	2.1E-02
				1.4E-03	I	5.0E-03	I	V		Bromomethane	74-83-9					2.2E+01	6.8E+02	1.0E+01	7.0E+00		1.8E-03	
				5.0E-03	H					Bromophos	2104-96-3					7.8E+01	3.9E+01		2.6E+01		1.1E-01	
				2.0E-02	I					Bromoxynil	1689-84-5					3.1E+02	1.3E+03		2.5E+02		2.2E-01	
				2.0E-02	I					Bromoxynil Octanoate	1689-99-2					3.1E+02	1.5E+02		1.0E+02		8.7E-01	
3.4E+00	C	3.0E-05	I			2.0E-03	I	V		Butadiene, 1,3-	106-99-0	2.0E-02	1.4E-01	1.6E-01	1.6E-02			4.2E+00	4.2E+00		8.6E-06	
				1.0E-01	I					Butanol, N-	71-36-3					1.6E+03	6.6E+04		1.5E+03		3.2E-01	
1.9E-03	P			2.0E-01	I					Butyl Benzyl Phthalate	85-68-7	3.5E+01	2.3E+01		1.4E+01	3.1E+03	2.0E+03		1.2E+03		2.0E-01	
				2.0E+00	P	3.0E+01	P			Butyl alcohol, sec-	78-92-2					3.1E+04	2.0E+06		3.1E+04		6.3E+00	
				5.0E-02	I					Butylate	2008-41-5					7.8E+02	6.0E+02		3.4E+02		3.3E-01	
2.0E-04	C	5.7E-08	C							Butylated hydroxyanisole	25013-16-5	3.4E+02	5.5E+02		2.1E+02						3.9E-01	
3.6E-03	P			3.0E-01	P					Butylated hydroxytoluene	128-37-0	1.9E+01	3.4E+00		2.9E+00	4.7E+03	8.6E+02		7.3E+02		8.6E-02	
				5.0E-02	P			V		Butylbenzene, n-	104-51-8					7.8E+02			7.8E+02		2.5E+00	
				1.0E-01	X			V		Butylbenzene, sec-	135-98-8					1.6E+03			1.6E+03		4.6E+00	
				1.0E-01	X			V		Butylbenzene, tert-	98-06-6					1.6E+03	7.5E+02		5.1E+02		1.1E+00	
				2.0E-02	A					Cacodylic Acid	75-60-5					3.1E+02	4.7E+04		3.1E+02			
		1.8E-03	I	1.0E-03	I	1.0E-05	A			Cadmium (Diet)	7440-43-9											
		1.8E-03	I	5.0E-04	I	1.0E-05	A			Cadmium (Water)	7440-43-9					7.8E+00	5.9E+01		6.9E+00	5.0E+00	5.2E-01	3.8E-01
				5.0E-01	I	2.2E-03	C			Caprolactam	105-60-2					7.8E+03	6.4E+05		7.7E+03		1.9E+00	
1.5E-01	C	4.3E-05	C	2.0E-03	I					Captafol	2425-06-1	4.5E-01	1.5E+00		3.5E-01	3.1E+01	1.1E+02		2.4E+01		6.1E-04	
2.3E-03	C	6.6E-07	C	1.3E-01	I					Captan	133-06-2	2.9E+01	3.0E+02		2.7E+01	2.0E+03	2.1E+04		1.9E+03		1.9E-02	
				1.0E-01	I					Carbaryl	63-25-2					1.6E+03	1.7E+04		1.4E+03		1.3E+00	
				5.0E-03	I					Carbofuran	1563-66-2					7.8E+01	1.0E+03		7.3E+01	4.0E+01	2.8E-02	1.6E-02
				1.0E-01	I	7.0E-01	I	V		Carbon Disulfide	75-15-0					1.6E+03	1.3E+04	1.5E+03	7.2E+02		2.1E-01	
7.0E-02	I	6.0E-06	I	4.0E-03	I	1.0E-01	I	V		Carbon Tetrachloride	56-23-5	9.6E-01	3.7E+00	8.1E-01	3.9E-01	6.3E+01	2.4E+02	2.1E+02	4.0E+01	5.0E+00	1.5E-04	1.9E-03
				1.0E-02	I					Carbosulfan	55285-14-8					1.6E+02	4.9E+01		3.7E+01		9.0E-01	
				1.0E-01	I					Carboxin	5234-68-4					1.6E+03	2.9E+04		1.5E+03		8.0E-01	
						9.0E-04	I			Ceric oxide	1306-38-3											
				1.0E-01	I					Chloral Hydrate	302-17-0					1.6E+03	1.1E+05		1.5E+03		3.1E-01	
				1.5E-02	I					Chloramben	133-90-4					2.3E+02	5.2E+03		2.2E+02		5.5E-02	
4.0E-01	H									Chloranil	118-75-2	1.7E-01	3.0E+00		1.6E-01						1.3E-04	
3.5E-01	I	1.0E-04	I	5.0E-04	I	7.0E-04	I			Chlordane	12789-03-6	1.9E-01			1.9E-01	7.8E+00			7.8E+00	2.0E+00	1.3E-02	1.4E-01
1.0E+01	I	4.6E-03	C	3.0E-04	I					Chlordecone (Kepone)	143-50-0	6.7E-03	5.5E-03		3.0E-03	4.7E+00	3.8E+00		2.1E+00		1.1E-04	
				7.0E-04	A					Chlorfenvinphos	470-90-6					1.1E+01	4.0E+01		8.6E+00		2.3E-02	
				2.0E-02	I					Chlorimuron, Ethyl-	90982-32-4					3.1E+02	1.1E+04		3.0E+02		1.0E-01	
				1.0E-01	I	1.5E-04	A			Chlorine	7782-50-5					1.6E+03	2.4E+05		1.6E+03		7.0E-01	
				3.0E-02	I	2.0E-04	I			Chlorine Dioxide	10049-04-4					4.7E+02	7.1E+04		4.7E+02			
				3.0E-02	I					Chlorite (Sodium Salt)	7758-19-2					4.7E+02	7.1E+04		4.7E+02	1.0E+03		
						5.0E+01	I	V		Chloro-1,1-difluoroethane, 1-	75-68-3							1.0E+05	1.0E+05		5.2E+01	
		3.0E-04	I	2.0E-02	H	2.0E-02	I	V		Chloro-1,3-butadiene, 2-	126-99-8			1.6E-02	1.6E-02	3.1E+02	1.2E+03	4.2E+01	3.6E+01		8.5E-06	
4.6E-01	H									Chloro-2-methylaniline HCl, 4-	3165-93-3	1.5E-01	4.3E+02		1.5E-01						1.3E-04	
1.0E-01	P	7.7E-05	C	3.0E-03	X					Chloro-2-methylaniline, 4-	95-69-2	6.7E-01	5.6E+00		6.0E-01	4.7E+01	3.9E+02		4.2E+01		3.4E-04	
2.7E-01	X							V		Chloroacetaldehyde, 2-	107-20-0	2.5E-01	3.9E+01		2.5E-01						5.0E-05	
				2.0E-03	H					Chloroacetic Acid	79-11-8					3.1E+01	4.3E+03		3.1E+01	6.0E+01	6.3E-03	1.2E-02
						3.0E-05	I			Chloroacetophenone, 2-	532-27-4											
2.0E-01	P			4.0E-03	I					Chloroaniline, p-	106-47-8	3.4E-01	5.0E+00		3.2E-01	6.3E+01	9.4E+02		5.9E+01		1.3E-04	

TR=1E-06 HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				2.0E-02	I	5.0E-02	P	V		Chlorobenzene	108-90-7					3.1E+02	9.1E+02	1.0E+02	7.2E+01	1.0E+02	4.9E-02	6.8E-02
1.1E-01	C	3.1E-05	C	2.0E-02	I					Chlorobenzilate	510-15-6	6.1E-01	4.8E-01		2.7E-01	3.1E+02	2.5E+02		1.4E+02		8.8E-04	
				3.0E-02	X					Chlorobenzoic Acid, p-	74-11-3					4.7E+02	2.4E+03		3.9E+02		9.9E-02	
				3.0E-03	P	3.0E-01	P	V		Chlorobenzotrifluoride, 4-	98-56-6					4.7E+01	6.6E+01	6.3E+02	2.6E+01		9.3E-02	
				4.0E-02	P			V		Chlorobutane, 1-	109-69-3					6.3E+02	2.1E+03		4.8E+02		2.0E-01	
						5.0E+01	I	V		Chlorodifluoromethane	75-45-6							1.0E+05	1.0E+05		4.3E+01	
				2.0E-02	P					Chloroethanol, 2-	107-07-3					3.1E+02	5.1E+04		3.1E+02		6.3E-02	
3.1E-02	C	2.3E-05	I	1.0E-02	I	9.8E-02	A	V		Chloroform	67-66-3	2.2E+00	2.5E+01	2.1E-01	1.9E-01	1.6E+02	1.8E+03	2.0E+02	8.4E+01	8.0E+01(F)	5.3E-05	2.2E-02
						9.0E-02	I	V		Chloromethane	74-87-3							1.9E+02	1.9E+02		4.9E-02	
2.4E+00	C	6.9E-04	C					V		Chloromethyl Methyl Ether	107-30-2	2.8E-02	3.1E+00	7.1E-03	5.6E-03						1.2E-06	
3.0E-01	P			3.0E-03	P	1.0E-05	X			Chloronitrobenzene, o-	88-73-3	2.2E-01	2.2E+00		2.0E-01	4.7E+01	4.6E+02		4.3E+01		1.9E-04	
6.3E-03	P			1.0E-03	P	6.0E-04	P			Chloronitrobenzene, p-	100-00-5	1.1E+01	8.2E+01		9.4E+00	1.6E+01	1.2E+02		1.4E+01		8.7E-03	
				5.0E-03	I			V		Chlorophenol, 2-	95-57-8					7.8E+01	7.2E+02		7.1E+01		5.7E-02	
						4.0E-04	C	V		Chloropicrin	76-06-2							8.3E-01	8.3E-01		2.5E-04	
3.1E-03	C	8.9E-07	C	1.5E-02	I					Chlorothalonil	1897-45-6	2.2E+01	1.4E+02		1.9E+01	2.3E+02	1.5E+03		2.0E+02		4.3E-02	
				2.0E-02	I			V		Chlorotoluene, o-	95-49-8					3.1E+02	4.1E+02		1.8E+02		1.7E-01	
				2.0E-02	X			V		Chlorotoluene, p-	106-43-4					3.1E+02	4.7E+02		1.9E+02		1.8E-01	
2.4E+02	C	6.9E-02	C							Chlorozotocin	54749-90-5	2.8E-04	6.3E-01		2.8E-04						6.2E-08	
				2.0E-01	I					Chlorpropham	101-21-3					3.1E+03	7.0E+03		2.2E+03		1.9E+00	
				1.0E-03	A					Chlorpyrifos	2921-88-2					1.6E+01	1.0E+01		6.2E+00		9.2E-02	
				1.0E-02	H					Chlorpyrifos Methyl	5598-13-0					1.6E+02	2.1E+02		8.9E+01		4.1E-01	
				5.0E-02	I					Chlorsulfuron	64902-72-3					7.8E+02	4.0E+04		7.7E+02		6.5E-01	
				8.0E-04	H					Chlorthiophos	60238-56-4					1.3E+01	2.4E+00		2.0E+00		5.2E-02	
				1.5E+00	I					Chromium(III), Insoluble Salts	16065-83-1					2.3E+04	4.6E+04		1.6E+04		2.8E+07	
5.0E-01	J	8.4E-02	S	3.0E-03	I	1.0E-04	I		M	Chromium(VI)	18540-29-9	4.3E-02	1.1E-01		3.1E-02	4.7E+01	8.9E+01		3.1E+01		5.9E-04	
										Chromium, Total	7440-47-3									1.0E+02		1.8E+05
		9.0E-03	P	3.0E-04	P	6.0E-06	P			Cobalt	7440-48-4					4.7E+00	1.8E+03		4.7E+00		2.1E-01	
		6.2E-04	I						M	Coke Oven Emissions	8007-45-2											
				4.0E-02	H					Copper	7440-50-8					6.3E+02	9.5E+04		6.2E+02	1.3E+03	2.2E+01	4.6E+01
				5.0E-02	I	6.0E-01	C			Cresol, m-	108-39-4					7.8E+02	8.5E+03		7.2E+02		5.7E-01	
				5.0E-02	I	6.0E-01	C			Cresol, o-	95-48-7					7.8E+02	8.6E+03		7.2E+02		5.8E-01	
				1.0E-01	A	6.0E-01	C			Cresol, p-	106-44-5					1.6E+03	1.7E+04		1.4E+03		1.1E+00	
				1.0E-01	A					Cresol, p-chloro-m-	59-50-7					1.6E+03	3.7E+03		1.1E+03		1.3E+00	
				1.0E-01	A	6.0E-01	C			Cresols	1319-77-3					1.6E+03	1.7E+04		1.4E+03		1.2E+00	
1.9E+00	H			1.0E-03	P			V		Crotonaldehyde, trans-	123-73-9	3.5E-02	2.3E+00		3.5E-02	1.6E+01	9.8E+02		1.5E+01		7.1E-06	
				1.0E-01	I	4.0E-01	I	V		Cumene	98-82-8					1.6E+03	1.4E+03	8.3E+02	3.9E+02		6.4E-01	
2.2E-01	C	6.3E-05	C							Cupferron	135-20-6	3.1E-01			3.1E-01						5.3E-04	
8.4E-01	H			2.0E-03	H					Cyanazine	21725-46-2	8.0E-02	1.4E+00		7.6E-02	3.1E+01	5.4E+02		3.0E+01		3.5E-05	
										Cyanides												
				1.0E-03	I					~Calcium Cyanide	592-01-8					1.6E+01	2.4E+03		1.6E+01			
				5.0E-03	I					~Copper Cyanide	544-92-3					7.8E+01	1.2E+04		7.8E+01			
				6.0E-04	I	8.0E-04	S	V		~Cyanide (CN-)	57-12-5					9.4E+00	1.4E+03	1.7E+00	1.4E+00	2.0E+02	1.4E-02	2.0E+00
				1.0E-03	I			V		~Cyanogen	460-19-5					1.6E+01	2.7E+03		1.6E+01			
				9.0E-02	I			V		~Cyanogen Bromide	506-68-3					1.4E+03	8.4E+05		1.4E+03			
				5.0E-02	I			V		~Cyanogen Chloride	506-77-4					7.8E+02	3.0E+05		7.8E+02			
				6.0E-04	I	8.0E-04	I	V		~Hydrogen Cyanide	74-90-8					9.4E+00	1.4E+03	1.7E+00	1.4E+00		1.4E-02	
				2.0E-03	I					~Potassium Cyanide	151-50-8					3.1E+01	2.4E+03		3.1E+01			
				5.0E-03	I					~Potassium Silver Cyanide	506-61-6					7.8E+01	2.4E+02		5.9E+01			
				1.0E-01	I					~Silver Cyanide	506-64-9					1.6E+03	9.5E+03		1.3E+03			
				1.0E-03	I					~Sodium Cyanide	143-33-9					1.6E+01	2.4E+03		1.6E+01	2.0E+02		
				2.0E-04	P					~Thiocyanates	NA					3.1E+00	4.7E+02		3.1E+00			
				2.0E-04	X					~Thiocyanic Acid	463-56-9					3.1E+00	4.7E+02		3.1E+00			
				5.0E-02	I					~Zinc Cyanide	557-21-1					7.8E+02	2.0E+05		7.8E+02			
						6.0E+00	I	V		Cyclohexane	110-82-7							1.3E+04	1.3E+04		1.3E+01	
2.3E-02	H									Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.9E+00	7.1E+00		2.1E+00						1.2E-02	
				5.0E+00	I	7.0E-01	P			Cyclohexanone	108-94-1					7.8E+04	4.5E+06		7.7E+04		1.8E+01	
				5.0E-03	P	1.0E+00	X	V		Cyclohexene	110-83-8					7.8E+01	1.8E+02	2.1E+03	5.3E+01		3.5E-02	
				2.0E-01	I					Cyclohexylamine	108-91-8					3.1E+03	6.4E+04		3.0E+03		7.9E-01	
				5.0E-03	I					Cyhalothrin/karate	68085-85-8					7.8E+01			7.8E+01		5.3E+01	
				1.0E-02	I					Cypermethrin	52315-07-8					1.6E+02			1.6E+02		2.5E+01	
				7.5E-03	I					Cyromazine	66215-27-8					1.2E+02	8.5E+03		1.2E+02		3.0E-02	
2.4E-01	I	6.9E-05	C							DDD	72-54-8	2.8E-01	3.0E-02		2.7E-02						6.4E-03	
3.4E-01	I	9.7E-05	C							DDE, p,p'-	72-55-9	2.0E-01			2.0E-01						4.6E-02	
3.4E-01	I	9.7E-05	I	5.0E-04	I					DDT	50-29-3	2.0E-01			2.0E-01	7.8E+00			7.8E+00		6.7E-02	
				1.0E-02	I					Dacthal	1861-32-1					1.6E+02	2.3E+02		9.3E+01		1.1E-01	

R-1E-06
HQ-1.0

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Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				3.0E-02	I					Dalapon	75-99-0					4.7E+02	3.9E+04		4.6E+02	2.0E+02	9.6E-02	4.1E-02
7.0E-04	I			7.0E-03	I					Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	9.6E+01			9.6E+01	1.1E+02			1.1E+02		5.3E+01	
				4.0E-05	I					Demeton	8065-48-3					6.3E-01	2.9E+00		5.2E-01			
1.2E-03	I			6.0E-01	I					Di(2-ethylhexyl)adipate	103-23-1	5.6E+01			5.6E+01	9.4E+03			9.4E+03	4.0E+02	4.0E+00	2.9E+01
6.1E-02	H									Diallate	2303-16-4	1.1E+00	7.9E-01		4.6E-01						6.8E-04	
				7.0E-04	A					Diazinon	333-41-5					1.1E+01	2.8E+01		7.9E+00		4.9E-02	
				1.0E-02	X			V		Dibenzothiophene	132-65-0					1.6E+02	6.8E+01		4.8E+01		8.8E-01	
8.0E-01	P	6.0E-03	P	2.0E-04	P	2.0E-04	I	V	M	Dibromo-3-chloropropane, 1,2-	96-12-8	2.7E-02	1.6E-01	3.2E-04	3.2E-04	3.1E+00	1.7E+01	4.2E-01	3.6E-01	2.0E-01	1.4E-07	8.6E-05
				1.0E-02	I					Dibromobenzene, 1,4-	106-37-6					1.6E+02	2.6E+02		9.8E+01		9.3E-02	
8.4E-02	I	2.7E-05	C	2.0E-02	I			V		Dibromochloromethane	124-48-1	8.0E-01	1.2E+01	1.8E-01	1.5E-01	3.1E+02	4.8E+03		2.9E+02	8.0E+01(F)	3.9E-05	2.1E-02
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		Dibromoethane, 1,2-	106-93-4	3.4E-02	6.1E-01	8.1E-03	6.5E-03	1.4E+02	2.5E+03	1.9E+01	1.6E+01	5.0E-02	1.8E-06	1.4E-05
				1.0E-02	H	4.0E-03	X	V		Dibromomethane (Methylene Bromide)	74-95-3					1.6E+02	3.9E+03	8.3E+00	7.9E+00		1.9E-03	
				3.0E-04	P					Dibutyltin Compounds	NA					4.7E+00			4.7E+00			
				3.0E-02	I					Dicamba	1918-00-9					4.7E+02	7.2E+03		4.4E+02		1.1E-01	
		4.2E-03	P					V		Dichloro-2-butene, 1,4-	764-41-0			1.2E-03	1.2E-03						5.4E-07	
		4.2E-03	P					V		Dichloro-2-butene, cis-1,4-	1476-11-5			1.2E-03	1.2E-03						5.4E-07	
		4.2E-03	P					V		Dichloro-2-butene, trans-1,4-	110-57-6			1.2E-03	1.2E-03						5.4E-07	
5.0E-02	I			4.0E-03	I					Dichloroacetic Acid	79-43-6	1.3E+00	8.2E+01		1.3E+00	6.3E+01	3.8E+03		6.2E+01	6.0E+01	2.7E-04	1.2E-02
				9.0E-02	I	2.0E-01	H	V		Dichlorobenzene, 1,2-	95-50-1					1.4E+03	2.1E+03	4.2E+02	2.8E+02	6.0E+02	2.7E-01	5.8E-01
5.4E-03	C	1.1E-05	C	7.0E-02	A	8.0E-01	I	V		Dichlorobenzene, 1,4-	106-46-7	1.2E+01	1.8E+01	4.4E-01	4.2E-01	1.1E+03	1.6E+03	1.7E+03	4.7E+02	7.5E+01	4.0E-04	7.2E-02
4.5E-01	I	3.4E-04	C							Dichlorobenzidine, 3,3'-	91-94-1	1.5E-01	3.9E-01		1.1E-01						7.1E-04	
				9.0E-03	X					Dichlorobenzophenone, 4,4'-	90-98-2					1.4E+02	9.7E+01		5.7E+01		3.5E-01	
				2.0E-01	I	1.0E-01	X	V		Dichlorodifluoromethane	75-71-8					3.1E+03	2.7E+04	2.1E+02	1.9E+02		3.0E-01	
5.7E-03	C	1.6E-06	C	2.0E-01	P			V		Dichloroethane, 1,1-	75-34-3	1.2E+01	1.6E+02	3.0E+00	2.4E+00	3.1E+03	4.0E+04		2.9E+03		6.8E-04	
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		Dichloroethane, 1,2-	107-06-2	7.4E-01	1.6E+01	1.9E-01	1.5E-01	9.4E+01	1.9E+03	1.5E+01	1.3E+01	5.0E+00	4.2E-05	1.4E-03
				5.0E-02	I	2.0E-01	I	V		Dichloroethylene, 1,1-	75-35-4					7.8E+02	5.9E+03	4.2E+02	2.6E+02	7.0E+00	9.3E-02	2.5E-03
				9.0E-03	H			V		Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0					1.4E+02	1.1E+03		1.3E+02		3.7E-02	
				2.0E-03	I			V		Dichloroethylene, 1,2-cis-	156-59-2					3.1E+01	2.5E+02		2.8E+01	7.0E+01	8.2E-03	2.1E-02
				2.0E-02	I	6.0E-02	P	V		Dichloroethylene, 1,2-trans-	156-60-5					3.1E+02	2.5E+03	1.3E+02	8.6E+01	1.0E+02	2.5E-02	2.9E-02
				3.0E-03	I					Dichlorophenol, 2,4-	120-83-2					4.7E+01	1.3E+02		3.5E+01		4.1E-02	
				1.0E-02	I					Dichlorophenoxy Acetic Acid, 2,4-	94-75-7					1.6E+02	9.6E+02		1.3E+02	7.0E+01	3.5E-02	1.8E-02
				8.0E-03	I					Dichlorophenoxybutyric Acid, 4-(2,4-	94-82-6					1.3E+02	3.4E+02		9.1E+01		3.6E-02	
3.6E-02	C	1.0E-05	C	9.0E-02	A	4.0E-03	I	V		Dichloropropane, 1,2-	78-87-5	1.9E+00	2.0E+01	4.9E-01	3.8E-01	1.4E+03	1.5E+04	8.3E+00	8.3E+00	5.0E+00	1.3E-04	1.7E-03
				2.0E-02	P			V		Dichloropropane, 1,3-	142-28-9					3.1E+02	3.3E+03		2.9E+02		9.9E-02	
				3.0E-03	I					Dichloropropanol, 2,3-	616-23-9					4.7E+01	3.5E+03		4.6E+01		9.8E-03	
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		Dichloropropene, 1,3-	542-75-6	6.7E-01	6.7E+00	1.2E+00	4.1E-01	4.7E+02	4.7E+03	4.2E+01	3.8E+01		1.5E-04	
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			Dichlorvos	62-73-7	2.3E-01	1.2E+01		2.3E-01	7.8E+00	4.0E+02		7.7E+00		7.0E-05	
				8.0E-03	P	7.0E-03	P	V		Dicyclopentadiene	77-73-6					1.3E+02	2.5E+02	1.5E+01	1.2E+01		4.3E-02	
1.6E+01	I	4.6E-03	I	5.0E-05	I					Dieldrin	60-57-1	4.2E-03	2.3E-03		1.5E-03	7.8E-01	4.3E-01		2.8E-01		6.1E-05	
		3.0E-04	C			5.0E-03	I			Diesel Engine Exhaust	NA											
				2.0E-03	P	2.0E-04	P			Diethanolamine	111-42-2					3.1E+01	5.8E+04		3.1E+01		6.3E-03	
				3.0E-02	P	1.0E-04	P			Diethylene Glycol Monobutyl Ether	112-34-5					4.7E+02	6.1E+04		4.7E+02		1.0E-01	
				6.0E-02	P	3.0E-04	P			Diethylene Glycol Monoethyl Ether	111-90-0					9.4E+02	5.5E+05		9.4E+02		1.9E-01	
				1.0E-03	P					Diethylformamide	617-84-5					1.6E+01	2.9E+03		1.6E+01		3.2E-03	
3.5E+02	C	1.0E-01	C							Diethylstilbestrol	56-53-1	1.9E-04	5.6E-05		4.3E-05						2.4E-05	
				8.0E-02	I					Difenzoquat	43222-48-6					1.3E+03	5.2E+05		1.2E+03			
				2.0E-02	I					Diflubenzuron	35367-38-5					3.1E+02	7.4E+02		2.2E+02		2.5E-01	
						4.0E+01	I	V		Difluoroethane, 1,1-	75-37-6							8.3E+04	8.3E+04		2.8E+01	
4.4E-02	C	1.3E-05	C					V		Dihydrosafrole	94-58-6	1.5E+00	2.0E+00	3.7E-01	2.6E-01						3.2E-04	
						7.0E-01	P	V		Diisopropyl Ether	108-20-3							1.5E+03	1.5E+03		3.7E-01	
				8.0E-02	I			V		Diisopropyl Methylphosphonate	1445-75-6					1.3E+03	9.0E+04		1.2E+03		3.5E-01	
				2.0E-02	I					Dimethipin	55290-64-7					3.1E+02	1.7E+05		3.1E+02		6.9E-02	
				2.0E-04	I					Dimethoate	60-51-5					3.1E+00	4.5E+02		3.1E+00		7.0E-04	
1.6E+00	P									Dimethoxybenzidine, 3,3'-	119-90-4	4.2E-02	1.4E+00		4.1E-02						5.0E-05	
1.7E-03	P			6.0E-02	P					Dimethyl methylphosphonate	756-79-6	4.0E+01	2.4E+04		3.9E+01	9.4E+02	5.7E+05		9.4E+02		8.3E-03	
4.6E+00	C	1.3E-03	C							Dimethylamino azobenzene [p-]	60-11-7	1.5E-02	6.1E-03		4.3E-03						1.8E-05	
5.8E-01	H									Dimethylaniline HCl, 2,4-	21436-96-4	1.2E-01	3.5E+02		1.2E-01						1.0E-04	
2.0E-01	P			2.0E-03	X					Dimethylaniline, 2,4-	95-68-1	3.4E-01	6.1E+00		3.2E-01	3.1E+01	5.7E+02		3.0E+01		1.8E-04	
				2.0E-03	I			V		Dimethylaniline, N,N-	121-69-7					3.1E+01	2.2E+02		2.7E+01		9.8E-03	
1.1E+01	P									Dimethylbenzidine, 3,3'-	119-93-7	6.1E-03	7.2E-02		5.6E-03						3.7E-05	
				1.0E-01	P	3.0E-02	I			Dimethylformamide	68-12-2					1.6E+03	1.2E+06		1.6E+03		3.2E-01	
				1.0E-04	X	2.0E-06	X			Dimethylhydrazine, 1,1-	57-14-7					1.6E+00	2.2E+03		1.6E+00		3.5E-04	
5.5E+02	C	1.6E-01	C							Dimethylhydrazine, 1,2-	540-73-8	1.2E-04	4.2E-02		1.2E-04						2.8E-08	
				2.0E-02	I					Dimethylphenol, 2,4-	105-67-9					3.1E+02	2.2E+03		2.7E+02		3.2E-01	
				6.0E-04	I					Dimethylphenol, 2,6-	576-26-1					9.4E+00	6.0E+01		8.1E+00		9.8E-03	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				1.0E-03	I					Dimethylphenol, 3,4-	95-65-8					1.6E+01	1.2E+02		1.4E+01		1.6E-02	
4.5E-02	C	1.3E-05	C					V		Dimethylvinylchloride	513-37-1	1.5E+00	5.6E+00	3.7E-01	2.8E-01						1.8E-04	
				8.0E-05	X					Dinitro-o-cresol, 4,6-	534-52-1					1.3E+00	1.9E+01		1.2E+00		2.0E-03	
				2.0E-03	I					Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5					3.1E+01	3.8E+01		1.7E+01		5.7E-01	
				1.0E-04	P					Dinitrobenzene, 1,2-	528-29-0					1.6E+00	3.8E+01		1.5E+00		1.4E-03	
				1.0E-04	I					Dinitrobenzene, 1,3-	99-65-0					1.6E+00	5.1E+01		1.5E+00		1.4E-03	
				1.0E-04	P					Dinitrobenzene, 1,4-	100-25-4					1.6E+00	5.4E+01		1.5E+00		1.4E-03	
				2.0E-03	I					Dinitrophenol, 2,4-	51-28-5					3.1E+01	8.6E+02		3.0E+01		3.4E-02	
6.8E-01	I									Dinitrotoluene Mixture, 2,4/2,6-	NA	9.9E-02	1.2E+00		9.2E-02						1.3E-04	
3.1E-01	C	8.9E-05	C	2.0E-03	I					Dinitrotoluene, 2,4-	121-14-2	2.2E-01	3.7E+00		2.0E-01	3.1E+01	5.3E+02		3.0E+01		2.8E-04	
1.5E+00	P			3.0E-04	X					Dinitrotoluene, 2,6-	606-20-2	4.5E-02	6.3E-01		4.2E-02	4.7E+00	6.6E+01		4.4E+00		5.8E-05	
				2.0E-03	S					Dinitrotoluene, 2-Amino-4,6-	35572-78-2					3.1E+01	7.3E+02		3.0E+01		2.3E-02	
				2.0E-03	S					Dinitrotoluene, 4-Amino-2,6-	19406-51-0					3.1E+01	7.3E+02		3.0E+01		2.3E-02	
4.5E-01	X			9.0E-04	X					Dinitrotoluene, Technical grade	25321-14-6	1.5E-01	1.9E+00		1.4E-01	1.4E+01	1.8E+02		1.3E+01		1.9E-04	
				1.0E-03	I					Dinoseb	88-85-7					1.6E+01	3.8E+01		1.1E+01	7.0E+00	9.8E-02	6.2E-02
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I			Dioxane, 1,4-	123-91-1	6.7E-01	1.9E+02		6.7E-01	4.7E+02	1.3E+05		4.7E+02		1.4E-04	
										Dioxins												
6.2E+03	I	1.3E+00	I							~Hexachlorodibenzo-p-dioxin, Mixture	NA	1.1E-05			1.1E-05						1.5E-05	
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C			~TCDD, 2,3,7,8-	1746-01-6	5.2E-07			5.2E-07	1.1E-05			1.1E-05	3.0E-05	2.6E-07	1.5E-05
				3.0E-02	I					Diphenamid	957-51-7					4.7E+02	3.0E+03		4.1E+02		4.0E+00	
				8.0E-04	X					Diphenyl Sulfone	127-63-9					1.3E+01	1.4E+02		1.1E+01		2.8E-02	
				2.5E-02	I					Diphenylamine	122-39-4					3.9E+02	6.0E+02		2.4E+02		4.4E-01	
8.0E-01	I	2.2E-04	I							Diphenylhydrazine, 1,2-	122-66-7	8.4E-02	3.3E-01		6.7E-02						2.2E-04	
				2.2E-03	I					Diquat	85-00-7					3.4E+01			3.4E+01	2.0E+01	6.5E-01	3.7E-01
7.4E+00	C	2.1E-03	C							Direct Black 38	1937-37-7	9.1E-03			9.1E-03						4.4E+00	
7.4E+00	C	2.1E-03	C							Direct Blue 6	2602-46-2	9.1E-03			9.1E-03						1.4E+01	
6.7E+00	C	1.9E-03	C							Direct Brown 95	16071-86-6	1.0E-02			1.0E-02							
				4.0E-05	I					Disulfoton	298-04-4					6.3E-01	9.5E-01		3.8E-01		7.1E-04	
				1.0E-02	I			V		Dithiane, 1,4-	505-29-3					1.6E+02	1.1E+04		1.5E+02		7.6E-02	
				2.0E-03	I					Diuron	330-54-1					3.1E+01	2.5E+02		2.8E+01		1.2E-02	
				4.0E-03	I					Dodine	2439-10-3					6.3E+01	7.5E+03		6.2E+01		3.2E-01	
				2.5E-02	I			V		EPTC	759-94-4					3.9E+02	1.1E+03		2.9E+02		1.5E-01	
				6.0E-03	I					Endosulfan	115-29-7					9.4E+01	4.5E+02		7.8E+01		1.1E+00	
				2.0E-02	I					Endothall	145-73-3					3.1E+02	6.1E+03		3.0E+02	1.0E+02	7.1E-02	2.4E-02
				3.0E-04	I					Endrin	72-20-8					4.7E+00	2.6E+00		1.7E+00	2.0E+00	6.8E-02	8.1E-02
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V		Epichlorohydrin	106-89-8	6.8E+00	6.7E+02	4.1E+00	2.5E+00	9.4E+01	8.9E+03	2.1E+00	2.0E+00		4.5E-04	
						2.0E-02	I	V		Epoxybutane, 1,2-	106-88-7							4.2E+01	4.2E+01		9.2E-03	
				5.0E-03	I					Ethephon	16672-87-0					7.8E+01	3.0E+04		7.8E+01		1.6E-02	
				5.0E-04	I					Ethion	563-12-2					7.8E+00	5.4E+00		3.2E+00		6.3E-03	
				1.0E-01	P	6.0E-02	P			Ethoxyethanol Acetate, 2-	111-15-9					1.6E+03	1.6E+05		1.5E+03		3.2E-01	
				9.0E-02	P	2.0E-01	I			Ethoxyethanol, 2-	110-80-5					1.4E+03	4.3E+05		1.4E+03		2.8E-01	
				9.0E-01	I	7.0E-02	P	V		Ethyl Acetate	141-78-6					1.4E+04	8.4E+05	1.5E+02	1.4E+02		3.1E-02	
4.8E-02	H							V		Ethyl Acrylate	140-88-5	1.4E+00	3.8E+01		1.4E+00						3.0E-04	
						1.0E+01	I	V		Ethyl Chloride (Chloroethane)	75-00-3							2.1E+04	2.1E+04		5.9E+00	
				2.0E-01	I			V		Ethyl Ether	60-29-7					3.1E+03	1.3E+05		3.1E+03		6.8E-01	
				9.0E-02	H	3.0E-01	P	V		Ethyl Methacrylate	97-63-2					1.4E+03	1.6E+04	6.3E+02	4.2E+02		9.9E-02	
				1.0E-05	I					Ethyl-p-nitrophenyl Phosphonate	2104-64-5					1.6E-01	1.1E-01		6.6E-02		2.1E-03	
1.1E-02	C	2.5E-06	C	1.0E-01	I	1.0E+00	I	V		Ethylbenzene	100-41-4	6.1E+00	1.1E+01	1.9E+00	1.3E+00	1.6E+03	2.6E+03	2.1E+03	6.7E+02	7.0E+02	1.5E-03	7.8E-01
				7.0E-02	P					Ethylene Cyanohydrin	109-78-4					1.1E+03	7.3E+05		1.1E+03		2.2E-01	
				9.0E-02	P					Ethylene Diamine	107-15-3					1.4E+03			1.4E+03		3.2E-01	
				2.0E+00	I	4.0E-01	C			Ethylene Glycol	107-21-1					3.1E+04	3.7E+07		3.1E+04		6.3E+00	
				1.0E-01	I	1.6E+00	I			Ethylene Glycol Monobutyl Ether	111-76-2					1.6E+03	1.0E+05		1.5E+03		3.2E-01	
3.1E-01	C	8.8E-05	C			3.0E-02	C	V		Ethylene Oxide	75-21-8	2.2E-01	4.6E+01	5.5E-02	4.4E-02			6.3E+01	6.3E+01		9.1E-06	
4.5E-02	C	1.3E-05	C	8.0E-05	I					Ethylene Thiourea	96-45-7	1.5E+00	8.6E+02		1.5E+00	1.3E+00	7.0E+02		1.2E+00		2.8E-04	
6.5E+01	C	1.9E-02	C					V		Ethyleneimine	151-56-4	1.0E-03	2.1E-01	2.6E-04	2.1E-04						4.5E-08	
				3.0E+00	I					Ethylphthalyl Ethyl Glycolate	84-72-0					4.7E+04	1.1E+06		4.5E+04		1.0E+02	
				8.0E-03	I					Express	101200-48-0					1.3E+02	3.5E+03		1.2E+02		4.7E-02	
				2.5E-04	I					Fenamiphos	22224-92-6					3.9E+00	2.4E+01		3.4E+00		3.3E-03	
				2.5E-02	I					Fenpropathrin	39515-41-8					3.9E+02	5.2E+01		4.6E+01		2.1E+00	
				1.3E-02	I					Fluometuron	2164-17-2					2.0E+02	2.4E+03		1.9E+02		1.4E-01	
				4.0E-02	C	1.3E-02	C			Fluoride	16984-48-8					6.3E+02	9.5E+04		6.2E+02		9.3E+01	
				6.0E-02	I	1.3E-02	C			Fluorine (Soluble Fluoride)	7782-41-4					9.4E+02	1.4E+05		9.3E+02	4.0E+03	1.4E+02	6.0E+02
				8.0E-02	I					Fluridone	59756-60-4					1.3E+03	1.0E+04		1.1E+03		1.3E+02	
				2.0E-02	I					Flurprimidol	56425-91-3					3.1E+02	1.7E+03		2.6E+02		1.2E+00	
				6.0E-02	I					Flutolanil	66332-96-5					9.4E+02	3.2E+03		7.2E+02		3.9E+00	

TR=1E-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				1.0E-02	I					Fluvalinate	69409-94-5					1.6E+02			1.6E+02		2.3E+02	
3.5E-03	I			1.0E-01	I					Folpet	133-07-3	1.9E+01	1.8E+02		1.7E+01	1.6E+03	1.5E+04		1.4E+03		4.1E-03	
1.9E-01	I									Fomesafen	72178-02-0	3.5E-01	7.7E+00		3.4E-01						1.1E-03	
				2.0E-03	I					Fonofos	944-22-9					3.1E+01	4.4E+01		1.8E+01		3.5E-02	
		1.3E-05	I	2.0E-01	I	9.8E-03	A			Formaldehyde	50-00-0					3.1E+03	2.0E+05		3.1E+03		6.2E-01	
				9.0E-01	P	3.0E-04	X			Formic Acid	64-18-6					1.4E+04	4.1E+06		1.4E+04		2.8E+00	
				3.0E+00	I					Fosetyl-AL	39148-24-8					4.7E+04			4.7E+04			
										Furans												
				1.0E-03	X			V		~Dibenzofuran	132-64-9					1.6E+01	9.2E+00		5.8E+00		1.1E-01	
				1.0E-03	I			V		~Furan	110-00-9					1.6E+01	3.1E+02		1.5E+01		5.7E-03	
				9.0E-01	I	2.0E+00	I	V		~Tetrahydrofuran	109-99-9					1.4E+04	1.1E+06	4.2E+03	3.2E+03		7.1E-01	
3.8E+00	H									Furazolidone	67-45-8	1.8E-02	8.7E+00		1.8E-02						3.4E-05	
				3.0E-03	I	5.0E-02	H			Furfural	98-01-1					4.7E+01	4.9E+03		4.6E+01		9.9E-03	
1.5E+00	C	4.3E-04	C							Furium	531-82-8	4.5E-02	1.6E+00		4.4E-02						5.9E-05	
3.0E-02	I	8.6E-06	C							Furmecyclox	60568-05-0	2.2E+00	1.7E+00		9.6E-01						1.0E-03	
				4.0E-04	I					Glufosinate, Ammonium	77182-82-2					6.3E+00			6.3E+00		1.4E-03	
						8.0E-05	C			Glutaraldehyde	111-30-8											
				4.0E-04	I	1.0E-03	H			Glycidyl	765-34-4					6.3E+00	1.2E+03		6.2E+00		1.3E-03	
				1.0E-01	I					Glyphosate	1071-83-6					1.6E+03			1.6E+03	7.0E+02	6.9E+00	3.1E+00
				3.0E-03	I					Goal	42874-03-3					4.7E+01	4.7E+01		2.4E+01		1.9E+00	
				3.0E-03	A	1.0E-02	A			Guthion	86-50-0					4.7E+01	5.9E+02		4.3E+01		1.3E-02	
				5.0E-05	I					Haloxyfop, Methyl	69806-40-2					7.8E-01	2.2E+00		5.8E-01		6.4E-03	
				1.3E-02	I					Harmony	79277-27-3					2.0E+02	2.5E+04		2.0E+02		6.1E-02	
4.5E+00	I	1.3E-03	I	5.0E-04	I					Heptachlor	76-44-8	1.5E-02	2.0E-03		1.8E-03	7.8E+00	1.0E+00		9.2E-01	4.0E-01	1.4E-04	3.3E-02
9.1E+00	I	2.6E-03	I	1.3E-05	I					Heptachlor Epoxide	1024-57-3	7.4E-03	6.1E-03		3.3E-03	2.0E-01	1.7E-01		9.2E-02	2.0E-01	6.8E-05	4.1E-03
				2.0E-03	I					Hexabromobenzene	87-82-1					3.1E+01			3.1E+01		1.8E-01	
				2.0E-04	I					Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2					3.1E+00			3.1E+00			
1.6E+00	I	4.6E-04	I	8.0E-04	I					Hexachlorobenzene	118-74-1	4.2E-02			4.2E-02	1.3E+01			1.3E+01	1.0E+00	5.3E-04	1.3E-02
7.8E-02	I	2.2E-05	I	1.0E-03	P					Hexachlorobutadiene	87-68-3	8.6E-01	3.7E-01		2.6E-01	1.6E+01	6.8E+00		4.7E+00		5.0E-04	
6.3E+00	I	1.8E-03	I	8.0E-03	A					Hexachlorocyclohexane, Alpha-	319-84-6	1.1E-02	1.5E-02		6.2E-03	1.3E+02	1.7E+02		7.3E+01		3.6E-05	
1.8E+00	I	5.3E-04	I							Hexachlorocyclohexane, Beta-	319-85-7	3.7E-02	5.2E-02		2.2E-02						1.3E-04	
1.1E+00	C	3.1E-04	C	3.0E-04	I					Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	6.1E-02	8.5E-02		3.6E-02	4.7E+00	6.6E+00		2.7E+00	2.0E-01	2.1E-04	1.2E-03
1.8E+00	I	5.1E-04	I							Hexachlorocyclohexane, Technical	608-73-1	3.7E-02	5.2E-02		2.2E-02						1.3E-04	
				6.0E-03	I	2.0E-04	I			Hexachlorocyclopentadiene	77-47-4					9.4E+01	2.9E+01		2.2E+01	5.0E+01	7.0E-02	1.6E-01
4.0E-02	I	1.1E-05	C	7.0E-04	I	3.0E-02	I			Hexachloroethane	67-72-1	1.7E+00	1.5E+00		7.9E-01	1.1E+01	9.7E+00		5.1E+00		4.8E-04	
				3.0E-04	I					Hexachlorophene	70-30-4					4.7E+00			4.7E+00		6.3E+00	
1.1E-01	I			3.0E-03	I					Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	6.1E-01	7.3E+01		6.1E-01	4.7E+01	5.6E+03		4.7E+01		2.3E-04	
						1.0E-05	I	V		Hexamethylene Diisocyanate, 1,6-	822-06-0							2.1E-02	2.1E-02		2.1E-04	
				4.0E-04	P					Hexamethylphosphoramide	680-31-9					6.3E+00	1.4E+03		6.2E+00		1.4E-03	
				6.0E-02	H	7.0E-01	I	V		Hexane, N-	110-54-3					9.4E+02	4.5E+02	1.5E+03	2.5E+02		1.8E+00	
				2.0E+00	P					Hexanedioic Acid	124-04-9					3.1E+04	7.7E+06		3.1E+04		7.7E+00	
				5.0E-03	I	3.0E-02	I	V		Hexanone, 2-	591-78-6					7.8E+01	1.9E+03	6.3E+01	3.4E+01		7.9E-03	
				3.3E-02	I					Hexazinone	51235-04-2					5.2E+02	1.7E+04		5.0E+02		2.3E-01	
3.0E+00	I	4.9E-03	I			3.0E-05	P			Hydrazine	302-01-2	2.2E-02	9.5E+01		2.2E-02							
3.0E+00	I	4.9E-03	I							Hydrazine Sulfate	10034-93-2	2.2E-02	4.2E+00		2.2E-02							
						2.0E-02	I			Hydrogen Chloride	7647-01-0											
				4.0E-02	C	1.4E-02	C			Hydrogen Fluoride	7664-39-3					6.3E+02	9.5E+04		6.2E+02			
						2.0E-03	I			Hydrogen Sulfide	7783-06-4											
6.0E-02	P			4.0E-02	P					Hydroquinone	123-31-9	1.1E+00	1.0E+02		1.1E+00	6.3E+02	5.6E+04		6.2E+02		7.5E-04	
				1.3E-02	I					Imazalil	35554-44-0					2.0E+02	4.8E+02		1.4E+02		2.5E+00	
				2.5E-01	I					Imazaquin	81335-37-7					3.9E+03	1.8E+05		3.8E+03		1.9E+01	
				1.0E-02	A					Iodine	7553-56-2					1.6E+02	2.4E+04		1.6E+02		9.4E+00	
				4.0E-02	I					Iprodione	36734-19-7					6.3E+02	6.4E+03		5.7E+02		1.7E-01	
				7.0E-01	P					Iron	7439-89-6					1.1E+04	1.7E+06		1.1E+04		2.7E+02	
				3.0E-01	I					Isobutyl Alcohol	78-83-1					4.7E+03	2.4E+05		4.6E+03		9.5E-01	
9.5E-04	I			2.0E-01	I	2.0E+00	C			Isophorone	78-59-1	7.1E+01	1.4E+03		6.7E+01	3.1E+03	6.1E+04		3.0E+03		2.2E-02	
				1.5E-02	I					Isopropalin	33820-53-0					2.3E+02	3.3E+01		2.9E+01		6.6E-01	
						7.0E+00	C			Isopropanol	67-63-0											
				1.0E-01	I					Isopropyl Methyl Phosphonic Acid	1832-54-8					1.6E+03	2.7E+05		1.6E+03		3.4E-01	
				5.0E-02	I					Isoxaben	82558-50-7					7.8E+02	1.9E+03		5.6E+02		1.5E+00	
						3.0E-01	A	V		JP-7	NA							6.3E+02	6.3E+02			
				7.5E-02	I					Kerb	23950-58-5					1.2E+03	3.9E+03		9.0E+02		9.1E-01	
				2.0E-03	I					Lactofen	77501-63-4					3.1E+01	4.7E+01		1.9E+01		8.7E-01	
										Lead Compounds												
2.8E-01	C	8.0E-05	C							~Lead acetate	301-04-2	2.4E-01	2.4E+02		2.4E-01							

DRAFT 10/16/2013

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Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
										~Lead and Compounds	7439-92-1									1.5E+01		1.4E+01
3.8E-02	C	1.1E-05	C							~Lead subacetate	1335-32-6	1.8E+00			1.8E+00							
				1.0E-07	I					~Tetraethyl Lead	78-00-2					1.6E-03	2.7E-03		9.9E-04		3.5E-06	
				2.0E-03	I					Linuron	330-55-2					3.1E+01	1.4E+02		2.6E+01		2.3E-02	
				2.0E-03	P					Lithium	7439-93-2					3.1E+01	4.7E+03		3.1E+01		9.3E+00	
				2.0E-01	I					Londax	83055-99-6					3.1E+03	1.7E+05		3.1E+03		7.9E-01	
				5.0E-04	I					MCPA	94-74-6					7.8E+00	2.1E+01		5.7E+00		1.5E-03	
				1.0E-02	I					MCPB	94-81-5					1.6E+02	3.9E+02		1.1E+02		4.4E-02	
				1.0E-03	I					MCPP	93-65-2					1.6E+01	5.1E+01		1.2E+01		3.5E-03	
				2.0E-02	I					Malathion	121-75-5					3.1E+02	7.7E+03		3.0E+02		7.9E-02	
				1.0E-01	I	7.0E-04	C			Maleic Anhydride	108-31-6					1.6E+03	2.6E+04		1.5E+03		3.0E-01	
				5.0E-01	I					Maleic Hydrazide	123-33-1					7.8E+03	6.3E+06		7.8E+03		1.6E+00	
				1.0E-04	P					Malononitrile	109-77-3					1.6E+00	6.0E+02		1.6E+00		3.2E-04	
				3.0E-02	H					Mancozeb	8018-01-7					4.7E+02	2.6E+04		4.6E+02		6.5E-01	
				5.0E-03	I					Maneb	12427-38-2					7.8E+01	4.4E+03		7.7E+01		1.1E-01	
				1.4E-01	I	5.0E-05	I			Manganese (Diet)	7439-96-5											
				2.4E-02	S	5.0E-05	I			Manganese (Non-diet)	7439-96-5					3.8E+02	2.3E+03		3.2E+02		2.1E+01	
				9.0E-05	H					Mephosfolan	950-10-7					1.4E+00	1.8E+02		1.4E+00		2.1E-03	
				3.0E-02	I					Mepiquat Chloride	24307-26-4					4.7E+02			4.7E+02		1.6E-01	
										Mercury Compounds												
				3.0E-04	I	3.0E-04	S			~Mercuric Chloride (and other Mercury salts)	7487-94-7					4.7E+00	5.0E+01		4.3E+00	2.0E+00		
						3.0E-04	I	V		~Mercury (elemental)	7439-97-6							6.3E-01	6.3E-01	2.0E+00	3.3E-02	1.0E-01
				1.0E-04	I					~Methyl Mercury	22967-92-6					1.6E+00	2.4E+02		1.6E+00			
				8.0E-05	I					~Phenylmercuric Acetate	62-38-4					1.3E+00	4.0E+02		1.2E+00		3.9E-04	
				3.0E-05	I					Merphos	150-50-5					4.7E-01			4.7E-01		4.6E-02	
				3.0E-05	I					Merphos Oxide	78-48-8					4.7E-01	7.0E-02		6.1E-02		3.0E-04	
				6.0E-02	I					Metalaxyl	57837-19-1					9.4E+02	4.5E+04		9.2E+02		2.5E-01	
				1.0E-04	I	3.0E-02	P	V		Methacrylonitrile	126-98-7					1.6E+00	8.5E+01	6.3E+01	1.5E+00		3.4E-04	
				5.0E-05	I					Methamidophos	10265-92-6					7.8E-01	7.2E+02		7.8E-01		1.6E-04	
				2.0E+00	I	2.0E+01	I			Methanol	67-56-1					3.1E+04	1.1E+07		3.1E+04		6.3E+00	
				1.0E-03	I					Methidathion	950-37-8					1.6E+01	4.1E+02		1.5E+01		3.7E-03	
				2.5E-02	I					Methomyl	16752-77-5					3.9E+02	4.8E+04		3.9E+02		8.5E-02	
4.9E-02	C	1.4E-05	C							Methoxy-5-nitroaniline, 2-	99-59-2	1.4E+00	4.6E+01		1.3E+00						4.6E-04	
				5.0E-03	I					Methoxychlor	72-43-5					7.8E+01	4.2E+01		2.7E+01	4.0E+01	1.5E+00	2.2E+00
				8.0E-03	P	1.0E-03	P			Methoxyethanol Acetate, 2-	110-49-6					1.3E+02	2.5E+04		1.2E+02		2.6E-02	
				5.0E-03	P	2.0E-02	I			Methoxyethanol, 2-	109-86-4					7.8E+01	4.2E+04		7.8E+01		1.6E-02	
				1.0E+00	X			V		Methyl Acetate	79-20-9					1.6E+04	1.9E+06		1.6E+04		3.2E+00	
				3.0E-02	H	2.0E-02	P	V		Methyl Acrylate	96-33-3					4.7E+02	2.5E+04	4.2E+01	3.8E+01		8.1E-03	
				6.0E-01	I	5.0E+00	I	V		Methyl Ethyl Ketone (2-Butanone)	78-93-3					9.4E+03	9.7E+05	1.0E+04	4.9E+03		1.0E+00	
		1.0E-03	X	1.0E-03	P	2.0E-05	X			Methyl Hydrazine	60-34-4					1.6E+01	9.9E+03		1.6E+01		3.5E-03	
				8.0E-02	H	3.0E+00	I	V		Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1					1.3E+03	3.4E+04	6.3E+03	1.0E+03		2.3E-01	
						1.0E-03	C	V		Methyl Isocyanate	624-83-9							2.1E+00	2.1E+00		5.9E-04	
				1.4E+00	I	7.0E-01	I	V		Methyl Methacrylate	80-62-6					2.2E+04	5.3E+05	1.5E+03	1.4E+03		3.0E-01	
				2.5E-04	I					Methyl Parathion	298-00-0					3.9E+00	2.9E+01		3.4E+00		5.7E-03	
				6.0E-02	X					Methyl Phosphonic Acid	993-13-5					9.4E+02	8.4E+05		9.4E+02		1.9E-01	
				6.0E-03	H	4.0E-02	H	V		Methyl Styrene (Mixed Isomers)	25013-15-4					9.4E+01	1.1E+02	8.3E+01	3.2E+01		5.2E-02	
9.9E-02	C	2.8E-05	C							Methyl methanesulfonate	66-27-3	6.8E-01	4.1E+02		6.8E-01						1.4E-04	
1.8E-03	C	2.6E-07	C			3.0E+00	I	V		Methyl tert-Butyl Ether (MTBE)	1634-04-4	3.7E+01	1.7E+03	1.9E+01	1.2E+01			6.3E+03	6.3E+03		2.8E-03	
				3.0E-04	X					Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2					4.7E+00	4.2E+04		4.7E+00		2.8E-03	
9.0E-03	P			2.0E-02	X					Methyl-5-Nitroaniline, 2-	99-55-8	7.5E+00	1.2E+02		7.0E+00	3.1E+02	5.2E+03		2.9E+02		3.9E-03	
8.3E+00	C	2.4E-03	C							Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	8.1E-03	9.3E+00		8.1E-03						2.8E-06	
1.3E-01	C	3.7E-05	C							Methylaniline Hydrochloride, 2-	636-21-5	5.2E-01	1.2E+01		5.0E-01						2.1E-04	
				1.0E-02	A					Methylarsonic acid	124-58-3					1.6E+02	2.6E+05		1.6E+02			
				2.0E-04	X					Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7					3.1E+00			3.1E+00			
1.0E-01	X			3.0E-04	X					Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	6.7E-01			6.7E-01	4.7E+00			4.7E+00			
2.2E+01	C	6.3E-03	C						M	Methylcholanthrene, 3-	56-49-5	9.8E-04			9.8E-04						1.9E-03	
2.0E-03	I	1.0E-08	I	6.0E-03	I	6.0E-01	I	V	M	Methylene Chloride	75-09-2	1.1E+01	3.2E+02	1.9E+02	9.9E+00	9.4E+01	2.5E+03	1.3E+03	8.4E+01	5.0E+00	2.5E-03	1.3E-03
1.0E-01	P	4.3E-04	C	2.0E-03	P				M	Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	2.2E-01	4.0E-01		1.4E-01	3.1E+01	5.3E+01		2.0E+01		1.6E-03	
4.6E-02	I	1.3E-05	C							Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.5E+00	5.7E-01		4.1E-01						2.3E-03	
1.6E+00	C	4.6E-04	C			2.0E-02	C			Methylenebisbenzenamine, 4,4'-	101-77-9	4.2E-02	1.4E+00		4.1E-02						1.8E-04	
						6.0E-04	I			Methylenediphenyl Diisocyanate	101-68-8											
				7.0E-02	H			V		Methylstyrene, Alpha-	98-83-9					1.1E+03	1.2E+03		5.8E+02		9.3E-01	
				1.5E-01	I					Metolachlor	51218-45-2					2.3E+03	1.9E+04		2.1E+03		2.5E+00	
				2.5E-02	I					Metribuzin	21087-64-9					3.9E+02	1.3E+04		3.8E+02		1.2E-01	
				3.0E+00	P			V		Mineral oils	8012-95-1					4.7E+04			4.7E+04		1.9E+03	

RSL-06
HQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.8E+01	C	5.1E-03	C	2.0E-04	I					Mirex	2385-85-5	3.7E-03			3.7E-03	3.1E+00			3.1E+00		2.7E-03	
				2.0E-03	I					Molinate	2212-67-1					3.1E+01	8.4E+01		2.3E+01		1.3E-02	
				5.0E-03	I					Molybdenum	7439-98-7					7.8E+01	1.2E+04		7.8E+01		1.6E+00	
				1.0E-01	I					Monochloramine	10599-90-3					1.6E+03	2.4E+05		1.6E+03	4.0E+03		
				2.0E-03	P					Monomethylaniline	100-61-8					3.1E+01	5.3E+02		3.0E+01		1.1E-02	
				3.0E-04	X					N,N'-Diphenyl-1,4-benzenediamine	74-31-7					4.7E+00	6.3E+00		2.7E+00		2.8E-01	
				2.0E-03	I					Naled	300-76-5					3.1E+01	4.8E+03		3.1E+01		1.4E-02	
				3.0E-02	X	1.0E-01	P	V		Naphtha, High Flash Aromatic (HFAN)	64724-95-6					4.7E+02		2.1E+02	1.4E+02			
1.8E+00	C	0.0E+00	C							Naphthylamine, 2-	91-59-8	3.7E-02	3.1E-01		3.3E-02						1.7E-04	
				1.0E-01	I					Napropamide	15299-99-7					1.6E+03	6.4E+03		1.3E+03		8.3E+00	
				1.1E-02	C	1.4E-05	C			Nickel Carbonyl	13463-39-3					1.7E+02	1.0E+03		1.5E+02			
				1.1E-02	C	2.0E-05	C			Nickel Oxide	1313-99-1					1.7E+02	2.6E+04		1.7E+02			
		2.4E-04	I	1.1E-02	C	1.4E-05	C			Nickel Refinery Dust	NA					1.7E+02	5.2E+03		1.7E+02		2.5E+01	
		2.6E-04	C	2.0E-02	I	9.0E-05	A			Nickel Soluble Salts	7440-02-0					3.1E+02	9.5E+03		3.0E+02		2.0E+01	
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C			Nickel Subsulfide	12035-72-2	4.0E-02	1.5E+00		3.9E-02	1.7E+02	5.2E+03		1.7E+02			
				1.6E+00	I					Nitrate	14797-55-8					2.5E+04	3.8E+06		2.5E+04	1.0E+04		
										Nitrate + Nitrite (as N)	NA									1.0E+04		
				1.0E-01	I					Nitrite	14797-65-0					1.6E+03	2.4E+05		1.6E+03	1.0E+03		
				1.0E-02	X	5.0E-05	X			Nitroaniline, 2-	88-74-4					1.6E+02	2.4E+03		1.5E+02		6.2E-02	
2.0E-02	P			4.0E-03	P	6.0E-03	P			Nitroaniline, 4-	100-01-6	3.4E+00	1.1E+02		3.3E+00	6.3E+01	2.0E+03		6.1E+01		1.4E-03	
		4.0E-05	I	2.0E-03	I	9.0E-03	I	V		Nitrobenzene	98-95-3			1.2E-01	1.2E-01	3.1E+01	4.4E+02	1.9E+01	1.1E+01		7.9E-05	
				3.0E+03	P					Nitrocellulose	9004-70-0					4.7E+07			4.7E+07		1.0E+04	
				7.0E-02	H					Nitrofurantoin	67-20-9					1.1E+03	1.1E+06		1.1E+03		4.7E-01	
1.3E+00	C	3.7E-04	C							Nitrofurazone	59-87-0	5.2E-02	1.4E+01		5.2E-02						4.6E-05	
1.7E-02	P			1.0E-04	P					Nitroglycerin	55-63-0	4.0E+00	1.6E+02		3.9E+00	1.6E+00	6.2E+01		1.5E+00		6.6E-04	
				1.0E-01	I					Nitroguanidine	556-88-7					1.6E+03	1.3E+06		1.6E+03		3.8E-01	
		8.8E-06	P			5.0E-03	P	V		Nitromethane	75-52-5			5.5E-01	5.5E-01			1.0E+01	1.0E+01		1.2E-04	
		2.7E-03	H			2.0E-02	I	V		Nitropropane, 2-	79-46-9			1.8E-03	1.8E-03			4.2E+01	4.2E+01		4.7E-07	
2.7E+01	C	7.7E-03	C						M	Nitroso-N-ethylurea, N-	759-73-9	8.0E-04	1.4E-01		7.9E-04						1.9E-07	
1.2E+02	C	3.4E-02	C						M	Nitroso-N-methylurea, N-	684-93-5	1.8E-04	4.3E-02		1.8E-04						4.0E-08	
5.4E+00	I	1.6E-03	I					V		Nitroso-di-N-butylamine, N-	924-16-3	1.2E-02	6.7E-02	3.0E-03	2.4E-03						4.8E-06	
7.0E+00	I	2.0E-03	C							Nitroso-di-N-propylamine, N-	621-64-7	9.6E-03	3.0E-01		9.3E-03						7.0E-06	
2.8E+00	I	8.0E-04	C							Nitrosodiethanolamine, N-	1116-54-7	2.4E-02	6.9E+01		2.4E-02						4.8E-06	
1.5E+02	I	4.3E-02	I						M	Nitrosodiethylamine, N-	55-18-5	1.4E-04	1.6E-02		1.4E-04						5.2E-08	
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X		M	Nitrosodimethylamine, N-	62-75-9	4.2E-04	1.9E-01		4.2E-04	1.3E-01	4.9E+01		1.2E-01		1.0E-07	
4.9E-03	I	2.6E-06	C							Nitrosodiphenylamine, N-	86-30-6	1.4E+01	4.4E+01		1.0E+01						5.7E-02	
2.2E+01	I	6.3E-03	C							Nitrosomethylethylamine, N-	10595-95-6	3.1E-03	5.5E-01		3.0E-03						8.7E-07	
6.7E+00	C	1.9E-03	C							Nitrosomorpholine [N-]	59-89-2	1.0E-02	4.5E+00		1.0E-02						2.5E-06	
9.4E+00	C	2.7E-03	C							Nitrosopiperidine [N-]	100-75-4	7.2E-03	9.3E-01		7.1E-03						3.8E-06	
2.1E+00	I	6.1E-04	I							Nitrosopyrrolidine, N-	930-55-2	3.2E-02	8.8E+00		3.2E-02						1.2E-05	
				1.0E-04	X					Nitrotoluene, m-	99-08-1					1.6E+00	9.7E+00		1.3E+00		1.2E-03	
2.2E-01	P			9.0E-04	P			V		Nitrotoluene, o-	88-72-2	3.1E-01	2.4E+00		2.7E-01	1.4E+01	1.1E+02		1.2E+01		2.5E-04	
1.6E-02	P			4.0E-03	P					Nitrotoluene, p-	99-99-0	4.2E+00	2.9E+01		3.7E+00	6.3E+01	4.4E+02		5.5E+01		3.4E-03	
				3.0E-04	X	2.0E-02	P	V		Nonane, n-	111-84-2					4.7E+00		4.2E+01	4.2E+00		6.0E-02	
				4.0E-02	I					Norflurazon	27314-13-2					6.3E+02	1.4E+04		6.0E+02		3.9E+00	
				7.0E-04	I					Nustar	85509-19-9					1.1E+01	3.5E+01		8.3E+00		1.4E+00	
				3.0E-03	I					Octabromodiphenyl Ether	32536-52-0					4.7E+01			4.7E+01		9.3E+00	
				5.0E-02	I					Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0					7.8E+02	4.5E+05		7.8E+02		9.9E-01	
				2.0E-03	H					Octamethylpyrophosphoramide	152-16-9					3.1E+01	1.0E+05		3.1E+01		7.5E-03	
				5.0E-02	I					Oryzalin	19044-88-3					7.8E+02	2.9E+03		6.2E+02		1.1E+00	
				5.0E-03	I					Oxadiazon	19666-30-9					7.8E+01	6.4E+01		3.5E+01		3.6E-01	
				2.5E-02	I					Oxamyl	23135-22-0					3.9E+02	3.6E+05		3.9E+02	2.0E+02	8.6E-02	4.4E-02
				1.3E-02	I					Paclobutrazol	76738-62-0					2.0E+02	1.2E+03		1.7E+02		3.6E-01	
				4.5E-03	I					Paraquat Dichloride	1910-42-5					7.0E+01			7.0E+01		9.7E-01	
				6.0E-03	H					Parathion	56-38-2					9.4E+01	2.1E+02		6.5E+01		3.3E-01	
				5.0E-02	H					Pebulate	1114-71-2					7.8E+02	9.0E+02		4.2E+02		3.3E-01	
				4.0E-02	I					Pendimethalin	40487-42-1					6.3E+02	1.7E+02		1.3E+02		1.5E+00	
				2.0E-03	I					Pentabromodiphenyl Ether	32534-81-9					3.1E+01			3.1E+01		1.4E+00	
				1.0E-04	I					Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9					1.6E+00			1.6E+00		6.8E-02	
				8.0E-04	I					Pentachlorobenzene	608-93-5					1.3E+01	2.8E+00		2.3E+00		1.7E-02	
9.0E-02	P									Pentachloroethane	76-01-7	7.5E-01	2.2E+00		5.6E-01						2.7E-04	
2.6E-01	H			3.0E-03	I					Pentachloronitrobenzene	82-68-8	2.6E-01	1.7E-01		1.0E-01	4.7E+01	3.1E+01		1.9E+01		1.3E-03	
4.0E-01	I	5.1E-06	C	5.0E-03	I					Pentachlorophenol	87-86-5	1.7E-01	4.5E-02		3.5E-02	7.8E+01	2.1E+01		1.6E+01	1.0E+00	3.6E-04	1.0E-02
4.0E-03	X			2.0E-03	P					Pentaerythritol tetranitrate (PETN)	78-11-5	1.7E+01	3.7E+02		1.6E+01	3.1E+01	6.8E+02		3.0E+01		2.4E-02	
						1.0E+00	P	V		Pentane, n-	109-66-0							2.1E+03	2.1E+03		1.0E+01	

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information									Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
										Perchlorates												
				7.0E-04	I					~Ammonium Perchlorate	7790-98-9					1.1E+01	1.7E+03		1.1E+01			
				7.0E-04	I					~Lithium Perchlorate	7791-03-9					1.1E+01	1.7E+03		1.1E+01			
				7.0E-04	I					~Perchlorate and Perchlorate Salts	14797-73-0					1.1E+01	1.7E+03		1.1E+01	1.5E+01(F)		
				7.0E-04	I					~Potassium Perchlorate	7778-74-7					1.1E+01	8.3E+02		1.1E+01			
				7.0E-04	I					~Sodium Perchlorate	7601-89-0					1.1E+01	1.7E+03		1.1E+01			
				5.0E-02	I					Permethrin	52645-53-1					7.8E+02			7.8E+02		1.9E+02	
2.2E-03	C	6.3E-07	C							Phenacetin	62-44-2	3.1E+01	9.4E+02		3.0E+01						8.3E-03	
				2.5E-01	I					Phenmedipham	13684-63-4					3.9E+03	1.3E+04		3.0E+03		1.6E+01	
				3.0E-01	I	2.0E-01	C			Phenol	108-95-2					4.7E+03	9.6E+04		4.5E+03		2.6E+00	
				5.0E-04	X					Phenothiazine	92-84-2					7.8E+00	5.4E+00		3.2E+00		1.0E-02	
				6.0E-03	I					Phenylenediamine, m-	108-45-2					9.4E+01	3.4E+04		9.4E+01		2.5E-02	
4.7E-02	H									Phenylenediamine, o-	95-54-5	1.4E+00	2.5E+02		1.4E+00						3.8E-04	
				1.9E-01	H					Phenylenediamine, p-	106-50-3					3.0E+03	1.0E+06		3.0E+03		7.9E-01	
1.9E-03	H									Phenylphenol, 2-	90-43-7	3.5E+01	1.0E+02		2.6E+01						3.5E-01	
				2.0E-04	H					Phorate	298-02-2					3.1E+00	8.7E+00		2.3E+00		2.6E-03	
						3.0E-04	I	V		Phosgene	75-44-5											
				2.0E-02	I					Phosmet	732-11-6					3.1E+02	3.7E+03		2.9E+02		6.4E-02	
										Phosphates, Inorganic												
				4.9E+01	P					~Aluminum metaphosphate	13776-88-0					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Ammonium polyphosphate	68333-79-9					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Calcium pyrophosphate	7790-76-3					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Diammonium phosphate	7783-28-0					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Dicalcium phosphate	7757-93-9					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Dimagnesium phosphate	7782-75-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Dipotassium phosphate	7758-11-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Disodium phosphate	7558-79-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monoaluminum phosphate	13530-50-2					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monoammonium phosphate	7722-76-1					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monocalcium phosphate	7758-23-8					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monomagnesium phosphate	7757-86-0					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monopotassium phosphate	7778-77-0					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Monosodium phosphate	7558-80-7					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Polyphosphoric acid	8017-16-1					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Potassium tripolyphosphate	13845-36-8					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium acid pyrophosphate	7758-16-9					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium aluminum phosphate (acidic)	7785-88-8					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium aluminum phosphate (anhydrous)	10279-59-1					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium aluminum phosphate (tetrahydrate)	10305-76-7					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium hexametaphosphate	10124-56-8					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium polyphosphate	68915-31-1					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium trimetaphosphate	7785-84-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Sodium tripolyphosphate	7758-29-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Tetrapotassium phosphate	7320-34-5					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Tetrasodium pyrophosphate	7722-88-5					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Tricalcium phosphate	7758-87-4					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Trimagnesium phosphate	7757-87-1					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Tripotassium phosphate	7778-53-2					7.6E+05	1.2E+08		7.6E+05			
				4.9E+01	P					~Trisodium phosphate	7601-54-9					7.6E+05	1.2E+08		7.6E+05			
				3.0E-04	I	3.0E-04	I			Phosphine	7803-51-2					4.7E+00	7.1E+02		4.7E+00			
				4.9E+01	P	1.0E-02	I			Phosphoric Acid	7664-38-2					7.6E+05	1.2E+08		7.6E+05			
				2.0E-05	I					Phosphorus, White	7723-14-0					3.1E-01	4.7E+01		3.1E-01		1.1E-03	
										Phthalates												
1.4E-02	I	2.4E-06	C	2.0E-02	I					~Bis(2-ethylhexyl)phthalate	117-81-7	4.8E+00			4.8E+00	3.1E+02			3.1E+02	6.0E+00	1.1E+00	1.4E+00
				1.0E+00	I					~Butylphthalyl Butylglycolate	85-70-1					1.6E+04	2.9E+04		1.0E+04		2.3E+02	
				1.0E-01	I					~Dibutyl Phthalate	84-74-2					1.6E+03	1.2E+03		6.7E+02		1.7E+00	
				8.0E-01	I					~Diethyl Phthalate	84-66-2					1.3E+04	1.4E+05		1.1E+04		4.7E+00	
				1.0E-01	I				V	~Dimethylterephthalate	120-61-6					1.6E+03	1.9E+04		1.4E+03		3.8E-01	
				1.0E-02	P					~Octyl Phthalate, di-N-	117-84-0					1.6E+02			1.6E+02		4.4E+01	
				1.0E+00	H					~Phthalic Acid, P-	100-21-0					1.6E+04	2.3E+05		1.5E+04		5.3E+00	
				2.0E+00	I	2.0E-02	C			~Phthalic Anhydride	85-44-9					3.1E+04	7.6E+05		3.0E+04		6.6E+00	
				7.0E-02	I					Picloram	1918-02-1					1.1E+03	3.1E+04		1.1E+03	5.0E+02	2.9E-01	1.4E-01
				1.0E-04	X					Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3					1.6E+00	1.5E+02		1.5E+00		1.0E-03	
				1.0E-02	I					Pirimiphos, Methyl	29232-93-7					1.6E+02	2.2E+02		9.1E+01		8.7E-02	

Sample 0-1.0
Sample 0-1.0

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Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
3.0E+01	C	8.6E-03	C	7.0E-06	H					Polybrominated Biphenyls	59536-65-1	2.2E-03			2.2E-03	1.1E-01			1.1E-01			
										Polychlorinated Biphenyls (PCBs)												
7.0E-02	S	2.0E-05	S	7.0E-05	I					~Aroclor 1016	12674-11-2	9.6E-01			9.6E-01	1.1E+00			1.1E+00		9.2E-02	
2.0E+00	S	5.7E-04	S					V		~Aroclor 1221	11104-28-2	3.4E-02	1.0E-02	8.5E-03	4.0E-03						6.9E-05	
2.0E+00	S	5.7E-04	S					V		~Aroclor 1232	11141-16-5	3.4E-02	1.0E-02	8.5E-03	4.0E-03						6.9E-05	
2.0E+00	S	5.7E-04	S							~Aroclor 1242	53469-21-9	3.4E-02			3.4E-02						5.3E-03	
2.0E+00	S	5.7E-04	S							~Aroclor 1248	12672-29-6	3.4E-02			3.4E-02						5.2E-03	
2.0E+00	S	5.7E-04	S	2.0E-05	I					~Aroclor 1254	11097-69-1	3.4E-02			3.4E-02	3.1E-01			3.1E-01		8.8E-03	
2.0E+00	S	5.7E-04	S							~Aroclor 1260	11096-82-5	3.4E-02			3.4E-02						2.4E-02	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.7E-02			1.7E-02	3.7E-01			3.7E-01		1.2E-02	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	1.7E-02			1.7E-02	3.7E-01			3.7E-01		7.2E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.7E-02			1.7E-02	3.7E-01			3.7E-01		7.4E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	1.7E-02			1.7E-02	3.7E-01			3.7E-01		7.4E-03	
3.9E+03	E	1.1E+00	E	2.3E-08	E	1.3E-06	E			~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.7E-05			1.7E-05	3.7E-04			3.7E-04		7.2E-06	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	1.7E-02			1.7E-02	3.7E-01			3.7E-01		4.5E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	1.7E-02			1.7E-02	3.7E-01			3.7E-01		4.4E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	1.7E-02			1.7E-02	3.7E-01			3.7E-01		4.5E-03	
3.9E+00	E	1.1E-03	E	2.3E-05	E	1.3E-03	E			~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	1.7E-02			1.7E-02	3.7E-01			3.7E-01		4.5E-03	
1.3E+04	E	3.8E+00	E	7.0E-09	E	4.0E-07	E			~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	5.2E-06			5.2E-06	1.1E-04			1.1E-04		1.3E-06	
2.0E+00	I	5.7E-04	I							~Polychlorinated Biphenyls (high risk)	1336-36-3											
4.0E-01	I	1.0E-04	I							~Polychlorinated Biphenyls (low risk)	1336-36-3	1.7E-01			1.7E-01					5.0E-01	2.6E-02	7.8E-02
7.0E-02	I	2.0E-05	I							~Polychlorinated Biphenyls (lowest risk)	1336-36-3											
1.3E+01	E	3.8E-03	E	7.0E-06	E	4.0E-04	E			~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	5.2E-03			5.2E-03	1.1E-01			1.1E-01		8.1E-04	
3.9E+01	E	1.1E-02	E	2.3E-06	E	1.3E-04	E			~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	1.7E-03			1.7E-03	3.7E-02			3.7E-02		2.7E-04	
						6.0E-04	I			Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9											
										Polynuclear Aromatic Hydrocarbons (PAHs)												
				6.0E-02	I			V		~Acenaphthene	83-32-9					9.4E+02	6.8E+02		4.0E+02		4.1E+00	
				3.0E-01	I			V		~Anthracene	120-12-7					4.7E+03	1.8E+03		1.3E+03		4.2E+01	
7.3E-01	E	1.1E-04	C						M	~Benz[a]anthracene	56-55-3	2.9E-02			2.9E-02						1.0E-02	
1.2E+00	C	1.1E-04	C							~Benzo(j)fluoranthene	205-82-3	5.6E-02			5.6E-02						6.7E-02	
7.3E+00	I	1.1E-03	C						M	~Benzo[a]pyrene	50-32-8	2.9E-03			2.9E-03					2.0E-01	3.5E-03	2.4E-01
7.3E-01	E	1.1E-04	C						M	~Benzo[b]fluoranthene	205-99-2	2.9E-02			2.9E-02						3.5E-02	
7.3E-02	E	1.1E-04	C						M	~Benzo[k]fluoranthene	207-08-9	2.9E-01			2.9E-01						3.5E-01	
				8.0E-02	I			V		~Chloronaphthalene, Beta-	91-58-7					1.3E+03	9.9E+02		5.5E+02		2.9E+00	
7.3E-03	E	1.1E-05	C						M	~Chrysene	218-01-9	2.9E+00			2.9E+00						1.1E+00	
7.3E+00	E	1.2E-03	C						M	~Dibenz[a,h]anthracene	53-70-3	2.9E-03			2.9E-03						1.1E-02	
1.2E+01	C	1.1E-03	C							~Dibenzo(a,e)pyrene	192-65-4	5.6E-03			5.6E-03						7.3E-02	
2.5E+02	C	7.1E-02	C						M	~Dimethylbenz(a)anthracene, 7,12-	57-97-6	8.6E-05			8.6E-05						8.5E-05	
				4.0E-02	I					~Fluoranthene	206-44-0					6.3E+02			6.3E+02		7.0E+01	
				4.0E-02	I			V		~Fluorene	86-73-7					6.3E+02	3.3E+02		2.2E+02		4.0E+00	
7.3E-01	E	1.1E-04	C						M	~Indeno[1,2,3-cd]pyrene	193-39-5	2.9E-02			2.9E-02						2.0E-01	
2.9E-02	P			7.0E-02	A			V		~Methylnaphthalene, 1-	90-12-0	2.3E+00	1.7E+00		9.7E-01	1.1E+03	7.9E+02		4.6E+02		5.1E-03	
				4.0E-03	I			V		~Methylnaphthalene, 2-	91-57-6					6.3E+01	4.6E+01		2.7E+01		1.4E-01	
		3.4E-05	C	2.0E-02	I	3.0E-03	I	V		~Naphthalene	91-20-3			1.4E-01	1.4E-01	3.1E+02	5.0E+02	6.3E+00	6.1E+00		4.7E-04	
1.2E+00	C	1.1E-04	C							~Nitropyrene, 4-	57835-92-4	5.6E-02	2.3E-02		1.6E-02						2.8E-03	
				3.0E-02	I			V		~Pyrene	129-00-0					4.7E+02	1.1E+02		8.7E+01		9.5E+00	
1.5E-01	I			9.0E-03	I					Prochloraz	67747-09-5	4.5E-01	1.2E+00		3.2E-01	1.4E+02	3.6E+02		1.0E+02		1.6E-03	
				6.0E-03	H					Profluralin	26399-36-0					9.4E+01	2.3E+01		1.9E+01		1.2E+00	
				1.5E-02	I					Prometon	1610-18-0					2.3E+02	1.1E+03		1.9E+02		9.2E-02	
				4.0E-03	I					Prometryn	7287-19-6					6.3E+01	1.7E+02		4.5E+01		6.9E-02	
				1.3E-02	I					Propachlor	1918-16-7					2.0E+02	3.1E+03		1.9E+02		1.2E-01	
				5.0E-03	I					Propanil	709-98-8					7.8E+01	3.1E+02		6.3E+01		3.5E-02	
				2.0E-02	I					Propargite	2312-35-8					3.1E+02	1.9E+02		1.2E+02		8.8E+00	
				2.0E-03	I					Propargyl Alcohol	107-19-7					3.1E+01	7.8E+03		3.1E+01		6.4E-03	
				2.0E-02	I					Propazine	139-40-2					3.1E+02	1.7E+03		2.6E+02		2.3E-01	
				2.0E-02	I					Propham	122-42-9					3.1E+02	2.0E+03		2.7E+02		1.7E-01	
				1.3E-02	I					Propiconazole	60207-90-1					2.0E+02	7.5E+02		1.6E+02		5.3E-01	
						8.0E-03	I	V		Propionaldehyde	123-38-6							1.7E+01	1.7E+01		3.4E-03	
				1.0E-01	X	1.0E+00	X	V		Propyl benzene	103-65-1					1.6E+03	1.3E+03	2.1E+03	5.3E+02		9.9E-01	
						3.0E+00	C	V		Propylene	115-07-1							6.3E+03	6.3E+03		6.0E+00	
				2.0E+01	P					Propylene Glycol	57-55-6					3.1E+05	2.1E+08		3.1E+05		6.3E+01	
						2.7E-04	A			Propylene Glycol Dinitrate	6423-43-4											
				7.0E-01	H					Propylene Glycol Monoethyl Ether	1569-02-4					1.1E+04	2.2E+06		1.1E+04		2.2E+00	
				7.0E-01	H	2.0E+00	I			Propylene Glycol Monomethyl Ether	107-98-2					1.1E+04	2.7E+06		1.1E+04		2.2E+00	
2.4E-01	I	3.7E-06	I			3.0E-02	I	V		Propylene Oxide	75-56-9	2.8E-01	4.0E+01	1.3E+00	2.3E-01			6.3E+01	6.3E+01		4.8E-05	

HQ=1 TR=1E-06

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
				2.5E-01	I					Pursuit	81335-77-5					3.9E+03	5.1E+04		3.6E+03		3.2E+00	
				2.5E-02	I					Pydrin	51630-58-1					3.9E+02			3.9E+02		2.5E+02	
				1.0E-03	I			V		Pyridine	110-86-1					1.6E+01	9.9E+02		1.5E+01		5.3E-03	
				5.0E-04	I					Quinalphos	13593-03-8					7.8E+00	7.3E+00		3.8E+00		3.2E-02	
3.0E+00	I									Quinoline	91-22-5	2.2E-02	2.5E-01		2.1E-02						6.8E-05	
						3.0E-02	A			Refractory Ceramic Fibers	NA											
				3.0E-02	I					Resmethrin	10453-86-8					4.7E+02	5.4E+01		4.8E+01		3.0E+01	
				5.0E-02	H					Ronnel	299-84-3					7.8E+02	4.8E+02		3.0E+02		2.7E+00	
				4.0E-03	I					Rotenone	83-79-4					6.3E+01	1.8E+02		4.7E+01		2.4E+01	
2.2E-01	C	6.3E-05	C						M	Safrole	94-59-7	9.8E-02	5.6E-01		8.3E-02						5.1E-05	
				2.5E-02	I					Savey	78587-05-0					3.9E+02	1.0E+02		8.1E+01		3.6E-01	
				5.0E-03	I					Selenious Acid	7783-00-8					7.8E+01	1.2E+04		7.8E+01			
				5.0E-03	I	2.0E-02	C			Selenium	7782-49-2					7.8E+01	1.2E+04		7.8E+01	5.0E+01	4.0E-01	2.6E-01
				5.0E-03	C	2.0E-02	C			Selenium Sulfide	7446-34-6					7.8E+01	1.2E+04		7.8E+01			
				9.0E-02	I					Sethoxydim	74051-80-2					1.4E+03	1.7E+03		7.8E+02		6.9E+00	
						3.0E-03	C			Silica (crystalline, respirable)	7631-86-9											
				5.0E-03	I					Silver	7440-22-4					7.8E+01	7.9E+02		7.1E+01		6.0E-01	
1.2E-01	H			5.0E-03	I					Simazine	122-34-9	5.6E-01	7.9E+00		5.2E-01	7.8E+01	1.1E+03		7.3E+01	4.0E+00	2.6E-04	2.0E-03
				1.3E-02	I					Sodium Acifluorfen	62476-59-9					2.0E+02	1.5E+05		2.0E+02		1.6E+00	
				4.0E-03	I					Sodium Azide	26628-22-8					6.3E+01	9.5E+03		6.2E+01			
2.7E-01	H			3.0E-02	I					Sodium Diethyldithiocarbamate	148-18-5	2.5E-01	7.3E+02		2.5E-01	4.7E+02	1.4E+06		4.7E+02			
				5.0E-02	A	1.3E-02	C			Sodium Fluoride	7681-49-4					7.8E+02	1.2E+05		7.8E+02			
				2.0E-05	I					Sodium Fluoroacetate	62-74-8					3.1E-01			3.1E-01		6.3E-05	
				1.0E-03	H					Sodium Metavanadate	13718-26-8					1.6E+01	2.4E+03		1.6E+01			
2.4E-02	H			3.0E-02	I					Stirofos (Tetrachlorovinphos)	961-11-5	2.8E+00	1.6E+01		2.4E+00	4.7E+02	2.7E+03		4.0E+02		7.0E-03	
				6.0E-01	I					Strontium, Stable	7440-24-6					9.4E+03	1.4E+06		9.3E+03		3.3E+02	
				3.0E-04	I					Strychnine	57-24-9					4.7E+00	2.3E+02		4.6E+00		5.1E-02	
				2.0E-01	I	1.0E+00	I	V		Styrene	100-42-5					3.1E+03	7.1E+03	2.1E+03	1.1E+03	1.0E+02	1.2E+00	1.1E-01
				1.0E-03	P	2.0E-03	P			Sulfolane	126-33-0					1.6E+01	1.2E+04		1.6E+01		3.4E-03	
				8.0E-04	P					Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9					1.3E+01	2.5E+01		8.3E+00		4.9E-02	
						1.0E-03	C			Sulfuric Acid	7664-93-9											
				2.5E-02	I					Systhane	88671-89-0					3.9E+02	3.4E+03		3.5E+02		4.3E+00	
				3.0E-02	H					TCMTB	21564-17-0					4.7E+02	1.7E+03		3.7E+02		2.6E+00	
				7.0E-02	I					Tebuthiuron	34014-18-1					1.1E+03	3.3E+04		1.1E+03		3.0E-01	
				2.0E-02	H					Temephos	3383-96-8					3.1E+02			3.1E+02		6.0E+01	
				1.3E-02	I					Terbacil	5902-51-2					2.0E+02	4.9E+03		2.0E+02		5.9E-02	
				2.5E-05	H					Terbufos	13071-79-9					3.9E-01	3.2E-01		1.8E-01		3.9E-04	
				1.0E-03	I					Terbuthryn	886-50-0					1.6E+01	2.9E+01		1.0E+01		1.4E-02	
				1.0E-04	I					Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1					1.6E+00			1.6E+00		4.2E-02	
				3.0E-04	I					Tetrachlorobenzene, 1,2,4,5-	95-94-3					4.7E+00	1.7E+00		1.2E+00		5.8E-03	
2.6E-02	I	7.4E-06	I	3.0E-02	I			V		Tetrachloroethane, 1,1,1,2-	630-20-6	2.6E+00	9.3E+00	6.6E-01	5.0E-01	4.7E+02	1.7E+03		3.7E+02		1.9E-04	
2.0E-01	I	5.8E-05	C	2.0E-02	I			V		Tetrachloroethane, 1,1,2,2-	79-34-5	3.4E-01	2.8E+00	8.4E-02	6.6E-02	3.1E+02	2.6E+03		2.8E+02		2.6E-05	
2.1E-03	I	2.6E-07	I	6.0E-03	I	4.0E-02	I	V		Tetrachloroethylene	127-18-4	3.2E+01	5.6E+01	1.9E+01	9.7E+00	9.4E+01	1.6E+02	8.3E+01	3.5E+01	5.0E+00	4.4E-03	2.3E-03
				3.0E-02	I					Tetrachlorophenol, 2,3,4,6-	58-90-2					4.7E+02	2.8E+02		1.7E+02		1.1E+00	
2.0E+01	H									Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	3.4E-03	1.7E-03		1.1E-03						3.9E-06	
				5.0E-04	I					Tetraethyl Dithiopyrophosphate	3689-24-5					7.8E+00	1.7E+01		5.3E+00		3.9E-03	
						8.0E+01	I	V		Tetrafluoroethane, 1,1,1,2-	811-97-2							1.7E+05	1.7E+05		9.3E+01	
				2.0E-03	P					Tetryl (Trinitrophenylmethylnitramine)	479-45-8					3.1E+01	1.8E+03		3.1E+01		2.9E-01	
				7.0E-06	X					Thallium (I) Nitrate	10102-45-1					1.1E-01	1.7E+01		1.1E-01			
				1.0E-05	X					Thallium (Soluble Salts)	7440-28-0					1.6E-01	2.4E+01		1.6E-01	2.0E+00	1.1E-02	1.4E-01
				6.0E-06	X					Thallium Acetate	563-68-8					9.4E-02	1.4E+01		9.3E-02			
				2.0E-05	X					Thallium Carbonate	6533-73-9					3.1E-01	4.7E+01		3.1E-01			
				6.0E-06	X					Thallium Chloride	7791-12-0					9.4E-02	1.4E+01		9.3E-02			
				2.0E-05	X					Thallium Sulfate	7446-18-6					3.1E-01	4.7E+01		3.1E-01			
				1.0E-02	I					Thiobencarb	28249-77-6					1.6E+02	5.5E+02		1.2E+02		4.2E-01	
				7.0E-02	X					Thiodiglycol	111-48-8					1.1E+03	6.8E+05		1.1E+03		2.2E-01	
				3.0E-04	H					Thiofanox	39196-18-4					4.7E+00	3.1E+01		4.1E+00		1.4E-03	
				8.0E-02	I					Thiophanate, Methyl	23564-05-8					1.3E+03	1.5E+05		1.2E+03		1.1E+00	
				5.0E-03	I					Thiram	137-26-8					7.8E+01	2.8E+03		7.6E+01		1.1E-01	
				6.0E-01	H					Tin	7440-31-5					9.4E+03	1.4E+06		9.3E+03		2.3E+03	
						1.0E-04	A			Titanium Tetrachloride	7550-45-0											
				8.0E-02	I	5.0E+00	I	V		Toluene	108-88-3					1.3E+03	3.7E+03	1.0E+04	8.6E+02	1.0E+03	5.9E-01	6.9E-01
1.8E-01	X			2.0E-04	X					Toluene-2,5-diamine	95-70-5	3.7E-01	7.0E+01		3.7E-01	3.1E+00	5.9E+02		3.1E+00		1.2E-04	
3.0E-02	P			4.0E-03	X					Toluidine, p-	106-49-0	2.2E+00	5.8E+01		2.2E+00	6.3E+01	1.6E+03		6.0E+01		9.2E-04	
				3.0E+00	P					Total Petroleum Hydrocarbons (Aliphatic High)	NA					4.7E+04			4.7E+04		1.9E+03	

DRAFT 10

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1

Toxicity and Chemical-specific Information										Contaminant		Carcinogenic Target Risk (TR) = 1E-06				Noncancer Hazard Index (HI) = 1					Protection of Groundwater SSL	
SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m^3)$^{-1}$	key	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	voc	muta-gen	Analyte	CAS No.	Ingestion SL TR=1.0E-6 (ug/L)	Dermal SL TR=1.0E-6 (ug/L)	Inhalation SL TR=1.0E-6 (ug/L)	Carcinogenic SL TR=1.0E-6 (ug/L)	Ingestion SL HQ=1 (ug/L)	Dermal SL HQ=1 (ug/L)	Inhalation SL HQ=1 (ug/L)	Noncarcinogenic SL HI=1 (ug/L)	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
		1.9E-07	P			6.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Low)	NA			2.6E+01	2.6E+01			1.3E+03	1.3E+03		1.8E-01	
		4.5E-06	P	1.0E-02	P	1.0E-01	P	V		Total Petroleum Hydrocarbons (Aliphatic Medium)	NA			1.1E+00	1.1E+00	1.6E+02		2.1E+02	8.9E+01		1.5E-02	
7.3E+00	P			4.0E-02	P					Total Petroleum Hydrocarbons (Aromatic High)	NA	9.2E-03			9.2E-03	6.3E+02			6.3E+02		1.0E-03	
5.5E-02	P	7.8E-06	P	4.0E-03	P	3.0E-02	P	V		Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.2E+00	8.4E+00	6.2E-01	3.9E-01	6.3E+01	4.1E+02	6.3E+01	2.9E+01		2.0E-04	
				4.0E-03	P	3.0E-03	P	V		Total Petroleum Hydrocarbons (Aromatic Medium)	NA					6.3E+01	6.4E+01	6.3E+00	5.2E+00		2.2E-02	
1.1E+00	I	3.2E-04	I							Toxaphene	8001-35-2	6.1E-02	1.7E-02		1.3E-02					3.0E+00	2.1E-03	4.6E-01
				7.5E-03	I					Tralomethrin	66841-25-6					1.2E+02			1.2E+02		4.5E+01	
				3.0E-04	A					Tri-n-butyltin	688-73-3					4.7E+00	7.0E+00		2.8E+00		6.2E-02	
				8.0E+01	X					Triacetin	102-76-1					1.3E+06	3.8E+08		1.2E+06		3.5E+02	
				1.3E-02	I					Triallate	2303-17-5					2.0E+02	1.5E+02		8.7E+01		1.9E-01	
				1.0E-02	I					Triasulfuron	82097-50-5					1.6E+02	4.2E+04		1.6E+02		1.6E-01	
				5.0E-03	I					Tribromobenzene, 1,2,4-	615-54-3					7.8E+01	5.7E+01		3.3E+01		4.7E-02	
9.0E-03	P			1.0E-02	P					Tributyl Phosphate	126-73-8	7.5E+00	1.1E+01		4.5E+00	1.6E+02	2.3E+02		9.3E+01		2.2E-02	
				3.0E-04	P					Tributyltin Compounds	NA					4.7E+00			4.7E+00			
				3.0E-04	I					Tributyltin Oxide	56-35-9					4.7E+00	6.7E+01		4.4E+00		2.3E+02	
				3.0E+01	I	3.0E+01	H	V		Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1					4.7E+05	1.4E+06	6.3E+04	5.3E+04		1.3E+02	
7.0E-02	I			2.0E-02	I					Trichloroacetic Acid	76-03-9	9.6E-01	3.9E+01		9.4E-01	3.1E+02	1.3E+04		3.1E+02	6.0E+01	1.9E-04	1.2E-02
2.9E-02	H									Trichloroaniline HCl, 2,4,6-	33663-50-2	2.3E+00	3.2E+03		2.3E+00						6.4E-03	
7.0E-03	X			3.0E-05	X					Trichloroaniline, 2,4,6-	634-93-5	9.6E+00	1.7E+01		6.1E+00	4.7E-01	8.3E-01		3.0E-01		2.7E-03	
				8.0E-04	X			V		Trichlorobenzene, 1,2,3-	87-61-6					1.3E+01	8.9E+00		5.2E+00		1.5E-02	
2.9E-02	P			1.0E-02	I	2.0E-03	P	V		Trichlorobenzene, 1,2,4-	120-82-1	2.3E+00	1.7E+00		9.9E-01	1.6E+02	1.2E+02	4.2E+00	3.9E+00	7.0E+01	2.9E-03	2.0E-01
				2.0E+00	I	5.0E+00	I	V		Trichloroethane, 1,1,1-	71-55-6					3.1E+04	1.8E+05	1.0E+04	7.5E+03	2.0E+02	2.6E+00	7.0E-02
5.7E-02	I	1.6E-05	I	4.0E-03	I	2.0E-04	X	V		Trichloroethane, 1,1,2-	79-00-5	1.2E+00	1.7E+01	3.0E-01	2.4E-01	6.3E+01	8.9E+02	4.2E-01	4.1E-01	5.0E+00	7.7E-05	1.6E-03
4.6E-02	I	4.1E-06	I	5.0E-04	I	2.0E-03	I	V	M	Trichloroethylene	79-01-6	1.0E+00	6.6E+00	8.6E-01	4.4E-01	7.8E+00	4.9E+01	4.2E+00	2.6E+00	5.0E+00	1.6E-04	1.8E-03
				3.0E-01	I	7.0E-01	H	V		Trichlorofluoromethane	75-69-4					4.7E+03	2.6E+04	1.5E+03	1.1E+03		6.9E-01	
				1.0E-01	I					Trichlorophenol, 2,4,5-	95-95-4					1.6E+03	2.0E+03		8.9E+02		3.3E+00	
1.1E-02	I	3.1E-06	I	1.0E-03	P					Trichlorophenol, 2,4,6-	88-06-2	6.1E+00	8.3E+00		3.5E+00	1.6E+01	2.1E+01		9.0E+00		1.3E-02	
				1.0E-02	I					Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5					1.6E+02	6.2E+02		1.2E+02		5.2E-02	
				8.0E-03	I					Trichlorophenoxypropionic acid, -2,4,5	93-72-1					1.3E+02	2.6E+02		8.4E+01	5.0E+01	4.6E-02	2.8E-02
				5.0E-03	I			V		Trichloropropane, 1,1,2-	598-77-6					7.8E+01	5.3E+02		6.8E+01		2.7E-02	
3.0E+01	I			4.0E-03	I	3.0E-04	I	V	M	Trichloropropane, 1,2,3-	96-18-4	7.2E-04	6.7E-03		6.5E-04	6.3E+01	5.4E+02	6.3E-01	6.2E-01		2.8E-07	
				3.0E-03	X	3.0E-04	P	V		Trichloropropene, 1,2,3-	96-19-5					4.7E+01	1.8E+02	6.3E-01	6.2E-01		3.1E-04	
				2.0E-02	A					Tricresyl Phosphate (TCP)	1330-78-5					3.1E+02	1.8E+02		1.2E+02		1.1E+01	
				3.0E-03	I					Tridiphane	58138-08-2					4.7E+01	1.8E+01		1.3E+01		9.3E-02	
						7.0E-03	I	V		Triethylamine	121-44-8							1.5E+01	1.5E+01		4.4E-03	
7.7E-03	I			7.5E-03	I					Trifluralin	1582-09-8	8.7E+00	2.9E+00		2.2E+00	1.2E+02	3.9E+01		2.9E+01		7.2E-02	
2.0E-02	P			1.0E-02	P					Trimethyl Phosphate	512-56-1	3.4E+00	2.4E+03		3.4E+00	1.6E+02	1.1E+05		1.6E+02		7.4E-04	
						5.0E-03	P	V		Trimethylbenzene, 1,2,3-	526-73-8							1.0E+01	1.0E+01		1.5E-02	
						7.0E-03	P	V		Trimethylbenzene, 1,2,4-	95-63-6							1.5E+01	1.5E+01		2.1E-02	
				1.0E-02	X			V		Trimethylbenzene, 1,3,5-	108-67-8					1.6E+02	2.0E+02		8.7E+01		1.2E-01	
				3.0E-02	I					Trinitrobenzene, 1,3,5-	99-35-4					4.7E+02	3.3E+04		4.6E+02		1.7E+00	
3.0E-02	I			5.0E-04	I					Trinitrotoluene, 2,4,6-	118-96-7	2.2E+00	9.1E+01		2.2E+00	7.8E+00	3.2E+02		7.6E+00		1.3E-02	
				2.0E-02	P					Triphenylphosphine Oxide	791-28-6					3.1E+02	2.7E+03		2.8E+02		1.2E+00	
				2.0E-02	A					Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8					3.1E+02	2.3E+03		2.8E+02		6.2E+00	
				1.0E-02	X					Tris(1-chloro-2-propyl)phosphate	13674-84-5					1.6E+02	2.7E+03		1.5E+02		5.0E-01	
2.0E-02	P			7.0E-03	P					Tris(2-chloroethyl)phosphate	115-96-8	3.4E+00	2.5E+02		3.3E+00	1.1E+02	8.3E+03		1.1E+02		3.2E-03	
3.2E-03	P			1.0E-01	P					Tris(2-ethylhexyl)phosphate	78-42-2	2.1E+01			2.1E+01	1.6E+03			1.6E+03		1.0E+02	
				3.0E-03	I	4.0E-05	A			Uranium (Soluble Salts)	NA					4.7E+01	7.1E+03		4.7E+01	3.0E+01	2.1E+01	1.4E+01
1.0E+00	C	2.9E-04	C						M	Urethane	51-79-6	2.2E-02	5.6E+00		2.1E-02						4.8E-06	
		8.3E-03	P	9.0E-03	I	7.0E-06	P			Vanadium Pentoxide	1314-62-1					1.4E+02	5.5E+02		1.1E+02			
				5.0E-03	S	1.0E-04	A			Vanadium and Compounds	7440-62-2					7.9E+01	3.1E+02		6.3E+01		6.3E+01	
				1.0E-03	I					Vernolate	1929-77-7					1.6E+01	1.8E+01		8.3E+00		6.6E-03	
				2.5E-02	I					Vinclozolin	50471-44-8					3.9E+02	2.6E+03		3.4E+02		2.6E-01	
				1.0E+00	H	2.0E-01	I	V		Vinyl Acetate	108-05-4					1.6E+04	9.2E+05	4.2E+02	4.1E+02		8.7E-02	
		3.2E-05	H			3.0E-03	I	V		Vinyl Bromide	593-60-2			1.5E-01	1.5E-01			6.3E+00	6.3E+00		4.4E-05	
7.2E-01	I	4.4E-06	I	3.0E-03	I	1.0E-01	I	V	M	Vinyl Chloride	75-01-4	1.7E-02	2.6E-01	3.2E-01	1.5E-02	4.7E+01	5.8E+02	2.1E+02	3.6E+01	2.0E+00	5.3E-06	6.9E-04
				3.0E-04	I					Warfarin	81-81-2					4.7E+00	6.0E+01		4.4E+00		4.6E-03	
				2.0E-01	S	1.0E-01	S	V		Xylene, P-	106-42-3					3.1E+03	5.3E+03	2.1E+02	1.9E+02		1.8E-01	
				2.0E-01	S	1.0E-01	S	V		Xylene, m-	108-38-3					3.1E+03	4.9E+03	2.1E+02	1.9E+02		1.8E-01	
				2.0E-01	S	1.0E-01	S	V		Xylene, o-	95-47-6					3.1E+03	5.5E+03	2.1E+02	1.9E+02		1.9E-01	
				2.0E-01	I	1.0E-01	I	V		Xylenes	1330-20-7					3.1E+03	5.2E+03	2.1E+02	1.9E+02	1.0E+04	1.9E-01	9.8E+00
				3.0E-04	I					Zinc Phosphide	1314-84-7					4.7E+00	1.2E+03		4.7E+00			
				3.0E-01	I					Zinc and Compounds	7440-66-6					4.7E+03	1.2E+06		4.7E+03		2.9E+02	
				5.0E-02	I					Zineb	12122-67-7					7.8E+02	6.9E+04		7.7E+02		2.2E+00	
				8.0E-05	X					Zirconium	7440-67-7					1.3E+00	1.9E+02		1.2E+00		3.7E+00	

THK-1E-06
HQ-1.0

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
ALAR	1596-84-5	160.17	EPI	1.7294E-08	4.23E-10	EPI			0.064422	WATER9	7.5272E-06	WATER9	10	EPI	100000	EPI	0.0000199	EPI
Acephate	30560-19-1	183.16	EPI	2.048E-11	5.01E-13	EPI	1.35	CRC89	0.037354	WATER9	7.9758E-06	WATER9	10	EPI	818000	EPI	0.00004	EPI
Acetaldehyde	75-07-0	44.05	EPI	0.0027269	0.0000667	EPI	0.7834	CRC89	0.12771	WATER9	0.0000135	WATER9	1	EPI	1000000	EPI	0.000527	EPI
Acetochlor	34256-82-1	269.77	EPI	9.1169E-07	2.23E-08	EPI			0.045508	WATER9	5.3173E-06	WATER9	298.4	EPI	223	EPI	0.00495	EPI
Acetone	67-64-1	58.08	EPI	0.0014309	0.000035	EPI	0.7845	CRC89	0.105923	WATER9	0.0000115	WATER9	2.364	EPI	1000000	EPI	0.000512	EPI
Acetone Cyanohydrin	75-86-5	85.11	EPI	0.0005315	0.000013	EPI	0.932	CRC89	0.085946	WATER9	0.0000101	WATER9	1	EPI	1000000	EPI	0.000495	EPI
Acetonitrile	75-05-8	41.05	EPI	0.0014105	0.0000345	EPI	0.7857	CRC89	0.134	WATER9	0.0000141	WATER9	4.67	EPI	1000000	EPI	0.000548	EPI
Acetophenone	98-86-2	120.15	EPI	0.0004252	0.0000104	EPI	1.0281	CRC89	0.065222	WATER9	8.7229E-06	WATER9	51.85	EPI	6130	EPI	0.00372	EPI
Acetylaminofluorene, 2-	53-96-3	223.28	EPI	7.8496E-09	1.92E-10	EPI			0.051624	WATER9	6.0319E-06	WATER9	2206	EPI	8.4607	EPI	0.0124959	RAGSE
Acrolein	107-02-8	56.06	EPI	0.0049877	0.000122	EPI	0.84	CRC89	0.111693	WATER9	0.0000122	WATER9	1	EPI	212000	EPI	0.000748	EPI
Acrylamide	79-06-1	71.08	EPI	6.9501E-08	1.7E-09	EPI	1.222	LANGE	0.110399	WATER9	0.0000133	WATER9	5.694	EPI	390000	EPI	0.000224	EPI
Acrylic Acid	79-10-7	72.06	EPI	0.0000151	0.00000037	EPI	1.0511	CRC89	0.102722	WATER9	0.000012	WATER9	1.44	EPI	1000000	EPI	0.00105	EPI
Acrylonitrile	107-13-1	53.06	EPI	0.0056419	0.000138	EPI	0.8007	CRC89	0.11369	WATER9	0.0000123	WATER9	8.511	EPI	74500	EPI	0.00116	EPI
Adiponitrile	111-69-3	108.14	EPI	4.9469E-08	1.21E-09	EPI	0.9676	CRC89	0.070778	WATER9	8.9598E-06	WATER9	20.18	EPI	80000	EPI	0.000237	EPI
Alachlor	15972-60-8	269.77	EPI	3.4015E-07	8.32E-09	EPI	1.133	CRC89	0.022641	WATER9	5.6913E-06	WATER9	312.3	EPI	240	EPI	0.0105	EPI
Aldicarb	116-06-3	190.26	EPI	5.8872E-08	1.44E-09	EPI	1.195	CRC89	0.031868	WATER9	7.2458E-06	WATER9	24.64	EPI	6030	EPI	0.000755	EPI
Aldicarb Sulfone	1646-88-4	222.26	EPI	1.3778E-07	3.37E-09	EPI			0.051782	WATER9	6.0503E-06	WATER9	10	EPI	10000	EPI	0.0000371	EPI
Aldicarb sulfoxide	1646-87-3	206.26	EPI	3.9616E-08	9.69E-10	EPI			0.054427	WATER9	6.3593E-06	WATER9	10	EPI	28000	EPI	0.0000329	EPI
Aldrin	309-00-2	364.92	EPI	0.0017989	0.000044	EPI			0.037207	WATER9	4.3473E-06	WATER9	82020	EPI	0.017	EPI	0.293	EPI
Ally	74223-64-6	381.37	EPI	5.397E-15	1.32E-16	EPI			0.036129	WATER9	4.2214E-06	WATER9	92.5	EPI	9500	EPI	0.000329	EPI
Allyl Alcohol	107-18-6	58.08	EPI	0.000204	0.00000499	EPI	0.854	CRC89	0.109755	WATER9	0.0000121	WATER9	1.904	EPI	1000000	EPI	0.000959	EPI
Allyl Chloride	107-05-1	76.53	EPI	0.4497138	0.011	EPI	0.9376	CRC89	0.093607	WATER9	0.0000108	WATER9	39.6	EPI	3370	EPI	0.0112	EPI
Aluminum	7429-90-5	26.982	CRC89				2.7	CRC89									0.001	RAGSE
Aluminum Phosphide	20859-73-8	57.96	EPI				2.4	CRC89									0.001	RAGSE
Amdro	67485-29-4	494.49	EPI	0.0000899	0.0000022	EPI			0.030384	WATER9	3.5502E-06	WATER9	179700000	EPI	0.006	EPI	0.0000902	EPI
Ametryn	834-12-8	227.33	EPI	9.9346E-08	2.43E-09	EPI			0.051009	WATER9	0.00000596	WATER9	428.2	EPI	209	EPI	0.00794	EPI
Aminobiphenyl, 4-	92-67-1	169.23	EPI	7.0728E-06	0.000000173	EPI			0.062102	WATER9	7.2561E-06	WATER9	2471	EPI	128.81	EPI	0.014	EPI
Aminophenol, m-	591-27-5	109.13	EPI	1.0957E-08	2.68E-10	EPI			0.0832	WATER9	9.7213E-06	WATER9	90.2	EPI	27000	EPI	0.000527	EPI
Aminophenol, p-	123-30-8	109.13	EPI	1.4677E-08	3.59E-10	EPI			0.0832	WATER9	9.7213E-06	WATER9	90.2	EPI	16000	EPI	0.000407	EPI
Amitraz	33089-61-1	293.42	EPI	0.0004035	0.00000987	EPI	1.128	CRC89	0.021614	WATER9	5.3971E-06	WATER9	257300	EPI	1	EPI	0.16	EPI
Ammonia	7664-41-7	17.03	EPI	0.0006582	0.0000161	PHYSPROP	0.696	CRC89							899000	PERRY	0.001	RAGSE
Ammonium Sulfamate	7773-06-0	114.12	CRC89												147000	EPI	0.001	RAGSE
Amyl Alcohol, tert-	75-85-4	88.15	EPI	0.000564	0.0000138	EPI	0.8096	CRC89	0.078545	WATER9	9.1012E-06	WATER9	4.138	EPI	110000	EPI	0.00196	EPI
Aniline	62-53-3	93.13	EPI	0.0000826	0.00000202	EPI	1.0217	CRC89	0.083011	WATER9	0.0000101	WATER9	70.23	EPI	36000	EPI	0.00186	EPI
Anthraquinone, 9,10-	84-65-1	208.22	EPI	9.61E-07	2.35E-08	EPI			0.054084	WATER9	6.3193E-06	WATER9	5012	EPI	1.35	EPI	0.019	EPI
Antimony (metallic)	7440-36-0	121.76	CRC89				6.68	CRC89									0.001	RAGSE
Antimony Pentoxide	1314-60-9	323.52	CRC89				3.78	CRC89							3000	CRC89	0.001	RAGSE
Antimony Potassium Tartrate	11071-15-1	614.84	EPI												52600	EPI	0.001	RAGSE
Antimony Tetroxide	1332-81-6	307.52	EPI				6.64	CRC89									0.001	RAGSE
Antimony Trioxide	1309-64-4	291.52	EPI				5.58	CRC89									0.001	RAGSE
Apollo	74115-24-5	303.15	EPI	1.5944E-08	3.9E-10	EPI			0.042103	WATER9	4.9194E-06	WATER9	30210	EPI	1	EPI	0.00358	EPI
Aramite	140-57-8	334.86	EPI	7.7678E-06	0.00000019	EPI	1.143	CRC89	0.02029	WATER9	5.0255E-06	WATER9	5550	EPI	2.5922	EPI	0.0328	EPI
Arsenic, Inorganic	7440-38-2	74.922	CRC89				5.75	CRC89									0.001	RAGSE
Arsine	7784-42-1	77.95	EPI				3.186	CRC89							200000	PERRY	0.001	RAGSE
Assure	76578-14-8	372.81	EPI	4.3336E-07	1.06E-08	EPI			0.03668	WATER9	4.2858E-06	WATER9	7736	EPI	0.3	EPI	0.00886	EPI
Asulam	3337-71-1	230.24	EPI	6.991E-11	1.71E-12	EPI			0.050579	WATER9	5.9097E-06	WATER9	27.8	EPI	5000	EPI	0.0000529	EPI
Atrazine	1912-24-9	215.69	EPI	9.6484E-08	2.36E-09	EPI			0.052828	WATER9	6.1726E-06	WATER9	224.5	EPI	34.7	EPI	0.00524	EPI
Auramine	492-80-8	267.38	EPI	1.4881E-07	3.64E-09	EPI			0.045779	WATER9	5.3489E-06	WATER9	4456	EPI	10000	EPI	0.0111424	RAGSE
Avermectin B1	65195-55-3	875.12	EPI	5.397E-26	1.32E-27	EPI			0.020767	WATER9	2.4265E-06	WATER9	876700	EPI	1.4194	EPI	0.0000181	EPI
Azobenzene	103-33-3	182.23	EPI	0.0005519	0.0000135	EPI	1.203	PERRY	0.035909	WATER9	7.4655E-06	WATER9	3759	EPI	6.4	EPI	0.0514	EPI
Barium	7440-39-3	137.33	EPI				3.62	CRC89									0.001	RAGSE
Baygon	114-26-1	209.25	EPI	5.8463E-08	1.43E-09	EPI	1.12	CRC89	0.025745	WATER9	6.5827E-06	WATER9	59.95	EPI	1860	EPI	0.00107	EPI
Bayleton	43121-43-3	293.76	EPI	3.3156E-09	8.11E-11	EPI	1.22	CRC89	0.022429	WATER9	5.6532E-06	WATER9	298.5	EPI	71.5	EPI	0.00244	EPI
Baythroid	68359-37-5	434.3	EPI	1.1856E-06	0.000000029	EPI			0.03313	WATER9	3.871E-06	WATER9	130600	EPI	0.003	EPI	0.0515	EPI
Benefin	1861-40-1	335.29	EPI	0.011897	0.000291	EPI			0.039368	WATER9	4.5998E-06	WATER9	16390	EPI	0.1	EPI	0.0675	EPI
Benomyl	17804-35-2	290.32	EPI	2.016E-10	4.93E-12	EPI			0.043335	WATER9	5.0633E-06	WATER9	336.2	EPI	3.8	EPI	0.000943	EPI
Bentazon	25057-89-0	240.28	EPI	8.9125E-08	2.18E-09	EPI			0.04916	WATER9	5.7439E-06	WATER9	10	EPI	500	EPI	0.00252	EPI
Benzaldehyde	100-52-7	106.13	EPI	0.0010916	0.0000267	EPI	1.0401	CRC89	0.074393	WATER9	9.4627E-06	WATER9	11.09	EPI	6950	EPI	0.00383	EPI
Benzene	71-43-2	78.11	EPI	0.2269011	0.00555	EPI	0.8765	CRC89	0.089538	WATER9	0.0000103	WATER9	145.8	EPI	1790	EPI	0.0149	EPI
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	220.24	EPI	8.86E-22	2.17E-23	EPI			0.052098	WATER9	6.0873E-06	WATER9	38.38	EPI	1000000	EPI	3.04E-07	EPI
Benzenethiol	108-98-5	110.17	EPI	0.0136958	0.000335	EPI	1.0775	CRC89	0.072863	WATER9	9.4511E-06	WATER9	233.9	EPI	835	EPI	0.0178	EPI
Benzidine	92-87-5	184.24	EPI	2.8823E-09	7.05E-11	EPI	1.219	Yaws 2008	0.058681	WATER9	6.8564E-06	WATER9	1190	EPI	322	EPI	0.00113	EPI
Benzoic Acid	65-85-0	122.12	EPI	1.5576E-06	3.81E-08	EPI	1.2659	CRC89	0.070194	WATER9	9.7868E-06	WATER9	16.55	EPI	3400	EPI	0.00565	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Benzotrichloride	98-07-7	195.48	EPI	0.0106296	0.00026	EPI	1.3723	CRC89	0.031256	WATER9	7.746E-06	WATER9	1001	EPI	53	EPI	0.0487	EPI
Benzyl Alcohol	100-51-6	108.14	EPI	0.0000138	0.000000337	EPI	1.0419	CRC89	0.073119	WATER9	9.3665E-06	WATER9	21.46	EPI	42900	EPI	0.00209	EPI
Benzyl Chloride	100-44-7	126.59	EPI	0.0168438	0.000412	EPI	1.1004	CRC89	0.063362	WATER9	8.8057E-06	WATER9	446.1	EPI	525	EPI	0.0103	EPI
Beryllium and compounds	7440-41-7	9.01	EPI				1.85	CRC89									0.001	RAGSE
Bidrin	141-66-2	237.19	EPI	2.0564E-09	5.03E-11	EPI	1.216	CRC89	0.025047	WATER9	6.4147E-06	WATER9	16.58	EPI	1000000	EPI	0.0000731	EPI
Bifenox	42576-02-3	342.14	EPI	4.4154E-06	0.000000108	EPI			0.038841	WATER9	4.5382E-06	WATER9	3679	EPI	0.398	EPI	0.0179	EPI
Biphenthrin	82657-04-3	422.88	EPI	0.0000409	0.000001	EPI	1.2	CRC89	0.018376	WATER9	4.4983E-06	WATER9	2272000	EPI	0.1	EPI	1.74	EPI
Biphenyl, 1,1'-	92-52-4	154.21	EPI	0.012592	0.000308	EPI	1.04	CRC89	0.047059	WATER9	7.5618E-06	WATER9	5129	EPI	6.94	EPI	0.0943	EPI
Bis(2-chloro-1-methylethyl) ether	108-60-1	171.07	EPI	0.0030335	0.0000742	EPI	1.103	CRC89	0.039889	WATER9	7.3606E-06	WATER9	82.92	EPI	1700	EPI	0.00764	EPI
Bis(2-chloroethoxy)methane	111-91-1	173.04	EPI	0.0001574	0.00000385	EPI			0.061187	WATER9	7.1492E-06	WATER9	14.38	EPI	7800	EPI	0.00122	EPI
Bis(2-chloroethyl)ether	111-44-4	143.01	EPI	0.000695	0.000017	EPI	1.22	CRC89	0.056719	WATER9	8.707E-06	WATER9	32.21	EPI	17200	EPI	0.00178	EPI
Bis(chloromethyl)ether	542-88-1	114.96	EPI	0.1782502	0.00436	EPI	1.323	CRC89	0.0763	WATER9	0.0000104	WATER9	9.699	EPI	22000	EPI	0.000855	EPI
Bisphenol A	80-05-7	228.29	EPI	3.745E-10	9.16E-12	EPI			0.050866	WATER9	5.9433E-06	WATER9	37670	EPI	120	EPI	0.0132	EPI
Boron And Borates Only	7440-42-8	13.84	EPI				2.34	CRC89									0.001	RAGSE
Boron Trichloride	10294-34-5	117.17	CRC89				4.789	CRC89									0.001	RAGSE
Boron Trifluoride	7637-07-2	67.81	EPI				2.772	CRC89							3320000	EPI	0.001	RAGSE
Bromate	15541-45-4	79.9	EPI														0.001	RAGSE
Bromo-2-chloroethane, 1-	107-04-0	143.41	EPI	0.0371627	0.000909	EPI	1.7392	CRC89	0.065925	WATER9	0.0000108	WATER9	39.6	EPI	6900	PERRY	0.00464	EPI
Bromobenzene	108-86-1	157.01	EPI	0.1009812	0.00247	EPI	1.495	CRC89	0.053713	WATER9	9.3004E-06	WATER9	233.9	EPI	446	EPI	0.02	EPI
Bromochloromethane	74-97-5	129.38	EPI	0.0596893	0.00146	EPI	1.9344	CRC89	0.078692	WATER9	0.0000122	WATER9	21.73	EPI	16700	EPI	0.00255	EPI
Bromodichloromethane	75-27-4	163.83	EPI	0.0866721	0.00212	EPI	1.98	CRC89	0.056263	WATER9	0.0000107	WATER9	31.82	EPI	3030	EPI	0.00402	EPI
Bromoform	75-25-2	252.73	EPI	0.0218724	0.000535	EPI	2.8788	CRC89	0.035732	WATER9	0.0000104	WATER9	31.82	EPI	3100	EPI	0.00235	EPI
Bromomethane	74-83-9	94.94	EPI	0.3000818	0.00734	EPI	1.6755	CRC89	0.100497	WATER9	0.0000135	WATER9	13.22	EPI	15200	EPI	0.00284	EPI
Bromophos	2104-96-3	365.99	EPI	0.008381	0.000205	EPI			0.037134	WATER9	4.3388E-06	WATER9	2019	EPI	0.3	EPI	0.0401	EPI
Bromoxynil	1689-84-5	276.92	EPI	5.3966E-09	1.32E-10	EPI			0.044722	WATER9	5.2254E-06	WATER9	330.1	EPI	130	EPI	0.00783	EPI
Bromoxynil Octanoate	1689-99-2	403.12	EPI	0.0013042	0.0000319	EPI			0.034818	WATER9	4.0681E-06	WATER9	4252	EPI	0.08	EPI	0.0332	EPI
Butadiene, 1,3-	106-99-0	54.09	EPI	3.0089943	0.0736	EPI	0.6149	CRC89	0.100351	WATER9	0.0000103	WATER9	39.6	EPI	735	EPI	0.0164	EPI
Butanol, N-	71-36-3	74.12	EPI	0.0003602	0.00000881	EPI	0.8095	CRC89	0.090042	WATER9	0.0000101	WATER9	3.471	EPI	63200	EPI	0.00231	EPI
Butyl Benzyl Phthlate	85-68-7	312.37	EPI	0.0000515	0.00000126	EPI	1.119	CRC89	0.020832	WATER9	5.1733E-06	WATER9	7155	EPI	2.69	EPI	0.0385	EPI
Butyl alcohol, sec-	78-92-2	74.12	EPI	0.0003704	0.00000906	EPI	0.8063	CRC89	0.089889	WATER9	0.0000101	WATER9	2.919	EPI	181000	EPI	0.00153	EPI
Butylate	2008-41-5	217.37	EPI	0.0034546	0.0000845	EPI	0.9402	CRC89	0.023231	WATER9	5.7927E-06	WATER9	385.7	EPI	45	EPI	0.0541	EPI
Butylated hydroxyanisole	25013-16-5	180.25	EPI	0.0000478	0.00000117	EPI			0.059544	WATER9	6.9572E-06	WATER9	840.7	EPI	742.97	EPI	0.0325	EPI
Butylated hydroxytoluene	128-37-0	220.36	EPI	0.000138	0.00000338	EPI	0.8937	CRC89	0.022509	WATER9	5.5732E-06	WATER9	14750	EPI	0.6	EPI	0.223	EPI
Butylbenzene, n-	104-51-8	134.22	EPI	0.6500409	0.0159	EPI	0.8601	CRC89	0.052773	WATER9	7.3335E-06	WATER9	1482	EPI	11.8	EPI	0.225	EPI
Butylbenzene, sec-	135-98-8	134.22	EPI	0.7195421	0.0176	EPI	0.8608	LANGE	0.052793	WATER9	7.3371E-06	WATER9	1331	EPI	17.6	EPI	0.301	EPI
Butylbenzene, tert-	98-06-6	134.22	EPI	0.5396566	0.0132	EPI	0.8665	CRC89	0.052953	WATER9	7.3662E-06	WATER9	1001	EPI	29.5	EPI	0.149	EPI
Cacodylic Acid	75-60-5	138	EPI						0.071149	WATER9	8.3132E-06	WATER9	43.89	EPI	2000000	EPI	0.00046	EPI
Cadmium (Diet)	7440-43-9	112.41	EPI				8.69	CRC89									0.001	RAGSE
Cadmium (Water)	7440-43-9	112.41	EPI				8.69	CRC89									0.001	RAGSE
Caprolactam	105-60-2	113.16	EPI	1.0343E-06	2.53E-08	EPI	1.02	LANGE	0.069242	WATER9	8.9995E-06	WATER9	24.5	EPI	772000	EPI	0.001	EPI
Captafol	2425-06-1	349.06	EPI	2.0114E-07	4.92E-09	EPI			0.038325	WATER9	4.478E-06	WATER9	782.7	EPI	1.4	EPI	0.00577	EPI
Captan	133-06-2	300.59	EPI	2.8618E-07	0.000000007	EPI	1.74	CRC89	0.026194	WATER9	6.8995E-06	WATER9	252.2	EPI	5.1	EPI	0.00234	EPI
Carbaryl	63-25-2	201.23	EPI	1.3369E-07	3.27E-09	EPI	1.228	CRC89	0.027424	WATER9	7.1216E-06	WATER9	354.8	EPI	110	EPI	0.00431	EPI
Carbofuran	1563-66-2	221.26	EPI	1.2633E-07	3.09E-09	EPI	1.18	CRC89	0.025615	WATER9	6.5684E-06	WATER9	95.25	EPI	320	EPI	0.00313	EPI
Carbon Disulfide	75-15-0	76.13	EPI	0.5887163	0.0144	EPI	1.2632	CRC89	0.106447	WATER9	0.000013	WATER9	21.73	EPI	2160	EPI	0.0114	EPI
Carbon Tetrachloride	56-23-5	153.82	EPI	1.1283729	0.0276	EPI	1.594	CRC89	0.057144	WATER9	9.7849E-06	WATER9	43.89	EPI	793	EPI	0.0163	EPI
Carbosulfan	55285-14-8	380.55	EPI	0.0000209	0.000000512	EPI	1.056	CRC89	0.018239	WATER9	4.4384E-06	WATER9	11960	EPI	0.3	EPI	0.0579	EPI
Carboxin	5234-68-4	235.3	EPI	1.3083E-08	3.2E-10	EPI			0.049851	WATER9	5.8247E-06	WATER9	169.4	EPI	147	EPI	0.00198	EPI
Ceric oxide	1306-38-3	172.11	EPI				7.216	CRC89							107000	EPI	0.001	RAGSE
Chloral Hydrate	302-17-0	165.4	EPI	4.4563E-09	1.09E-10	EPI	1.9081	CRC89	0.054399	WATER9	0.0000104	WATER9	1	EPI	793000	EPI	0.000841	EPI
Chloramben	133-90-4	206.03	EPI	1.5822E-09	3.87E-11	EPI			0.054467	WATER9	6.364E-06	WATER9	21.37	EPI	700	EPI	0.00201	EPI
Chloranil	118-75-2	245.88	EPI	1.3369E-08	3.27E-10	EPI			0.04841	WATER9	5.6564E-06	WATER9	308.1	EPI	250	EPI	0.00194	EPI
Chlordane	12789-03-6	409.78	EPI	0.0019869	0.0000486	EPI			0.034439	WATER9	4.0239E-06	WATER9	33780	EPI	0.056	EPI	0.107	EPI
Chlordecone (Kepone)	143-50-0	490.64	EPI	2.1995E-06	5.38E-08	EPI	1.61	CRC89	0.019647	WATER9	4.9081E-06	WATER9	17500	EPI	2.7	EPI	0.0109	EPI
Chlorfenvinphos	470-90-6	359.58	EPI	1.1815E-06	2.89E-08	EPI			0.037574	WATER9	4.3903E-06	WATER9	1264	EPI	124	EPI	0.00512	EPI
Chlorimuron, Ethyl-	90982-32-4	414.82	EPI	7.441E-14	1.82E-15	EPI			0.03416	WATER9	3.9913E-06	WATER9	71.79	EPI	1200	EPI	0.000338	EPI
Chlorine	7782-50-5	70.91	EPI	0.4783	0.0117	PHYSPROP	2.898	CRC89							6300	EPI	0.001	RAGSE
Chlorine Dioxide	10049-04-4	67.45	EPI				2.757	CRC89									0.001	RAGSE
Chlorite (Sodium Salt)	7758-19-2	90.44	EPI												640000	CRC89	0.001	RAGSE
Chloro-1,1-difluoroethane, 1-	75-68-3	100.5	EPI	2.4039248	0.0588	EPI	1.107	CRC89	0.080393	WATER9	0.0000101	WATER9	43.89	EPI	1400	EPI	0.00989	EPI
Chloro-1,3-butadiene, 2-	126-99-8	88.54	EPI	2.29	0.0561	EPI	0.956	CRC89	0.084147	WATER9	0.00001	WATER9	60.7	EPI	836.92	EPI	0.0238	EPI
Chloro-2-methylaniline HCl, 4-	3165-93-3	178.06	EPI	5.887E-12	1.44E-13	EPI			0.060031	WATER9	7.0142E-06	WATER9	351.9	EPI	115.68	EPI	0.000018	EPI
Chloro-2-methylaniline, 4-	95-69-2	141.6	EPI	0.0000814	0.00000199	EPI			0.069938	WATER9	8.1717E-06	WATER9	184.5	EPI	1732.4	EPI	0.00808	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Chloroacetaldehyde, 2-	107-20-0	78.5	EPI	0.00074	0.0000181	EPI	1.19	CRC89	0.101505	WATER9	0.0000123	WATER9	1	EPI	266780	EPI	0.00065	EPI
Chloroacetic Acid	79-11-8	94.5	EPI	3.7858E-07	9.26E-09	EPI	1.4043	CRC89	0.093821	WATER9	0.0000121	WATER9	1.44	EPI	858000	EPI	0.000647	EPI
Chloroacetophenone, 2-	532-27-4	154.6	EPI	0.0001349	0.0000033	EPI	1.324	CRC89	0.052239	WATER9	8.7273E-06	WATER9	98.9	EPI	1100	PERRY	0.00406	EPI
Chloroaniline, p-	106-47-8	127.57	EPI	0.0000474	0.00000116	EPI	1.429	CRC89	0.070385	WATER9	0.0000103	WATER9	112.7	EPI	3900	EPI	0.00496	EPI
Chlorobenzene	108-90-7	112.56	EPI	0.1271464	0.00311	EPI	1.1058	CRC89	0.072131	WATER9	9.4765E-06	WATER9	233.9	EPI	498	EPI	0.0282	EPI
Chlorobenzilate	510-15-6	325.19	EPI	2.9599E-06	7.24E-08	EPI	1.2816	CRC89	0.021777	WATER9	5.4782E-06	WATER9	1539	EPI	13	EPI	0.0331	EPI
Chlorobenzoic Acid, p-	74-11-3	156.57	EPI	1.5863E-06	3.88E-08	EPI	1.541	PERRY	0.054689	WATER9	9.487E-06	WATER9	26.56	EPI	72	EPI	0.012	EPI
Chlorobenzotrifluoride, 4-	98-56-6	180.56	EPI	1.4186427	0.0347	EPI	1.334	CRC89	0.0385	WATER9	7.9872E-06	WATER9	1606	EPI	11.723	EPI	0.0375	EPI
Chlorobutane, 1-	109-69-3	92.57	EPI	0.6827473	0.0167	EPI	0.8857	CRC89	0.078413	WATER9	9.3274E-06	WATER9	72.17	EPI	1100	EPI	0.0269	EPI
Chlorodifluoromethane	75-45-6	86.47	EPI	1.6598528	0.0406	EPI	1.4909	CRC89	0.103378	WATER9	0.0000133	WATER9	31.82	EPI	2770	EPI	0.00268	EPI
Chloroethanol, 2-	107-07-3	80.51	EPI	0.0000311	0.000000761	EPI	1.2019	CRC89	0.099986	WATER9	0.0000122	WATER9	1.904	EPI	1000000	EPI	0.000579	EPI
Chloroform	67-66-3	119.38	EPI	0.1500409	0.00367	EPI	1.4788	CRC89	0.07692	WATER9	0.0000109	WATER9	31.82	EPI	7950	EPI	0.00683	EPI
Chloromethane	74-87-3	50.49	EPI	0.3605887	0.00882	EPI	0.911	CRC89	0.123962	WATER9	0.0000136	WATER9	13.22	EPI	5320	EPI	0.00328	EPI
Chloromethyl Methyl Ether	107-30-2	80.51	EPI	0.0124285	0.000304	EPI	1.063	CRC89	0.094973	WATER9	0.0000113	WATER9	5.322	EPI	192400	EPI	0.000905	EPI
Chloronitrobenzene, o-	88-73-3	157.56	EPI	0.0003802	0.0000093	EPI	1.368	CRC89	0.051345	WATER9	8.7995E-06	WATER9	370.6	EPI	441	EPI	0.0063	EPI
Chloronitrobenzene, p-	100-00-5	157.56	EPI	0.0001999	0.00000489	EPI	1.2979	CRC89	0.050159	WATER9	8.5261E-06	WATER9	363.2	EPI	225	EPI	0.00793	EPI
Chlorophenol, 2-	95-57-8	128.56	EPI	0.0004579	0.0000112	EPI	1.2634	CRC89	0.066118	WATER9	9.4784E-06	WATER9	306.5	EPI	11300	EPI	0.00799	EPI
Chloropicrin	76-06-2	164.38	EPI	0.0838103	0.00205	EPI	1.6558	CRC89	0.051764	WATER9	9.6198E-06	WATER9	44.19	EPI	1620	EPI	0.00459	EPI
Chlorothalonil	1897-45-6	265.91	EPI	0.0000818	0.000002	EPI	1.7	CRC89	0.027579	WATER9	7.3232E-06	WATER9	1041	EPI	0.81	EPI	0.00537	EPI
Chlorotoluene, o-	95-49-8	126.59	EPI	0.1459526	0.00357	EPI	1.0825	CRC89	0.062903	WATER9	8.7194E-06	WATER9	382.9	EPI	374	EPI	0.0572	EPI
Chlorotoluene, p-	106-43-4	126.59	EPI	0.1790679	0.00438	EPI	1.0697	CRC89	0.062571	WATER9	8.6574E-06	WATER9	375.3	EPI	106	EPI	0.0498	EPI
Chlorozotocin	54749-90-5	313.7	EPI	1.5E-20	3.67E-22	EPI			0.041154	WATER9	4.8085E-06	WATER9	10	EPI	1000000	EPI	0.00000991	EPI
Chlorpropham	101-21-3	213.67	EPI	0.0000233	0.000000569	EPI	1.18	CRC89	0.026089	WATER9	6.7074E-06	WATER9	350.7	EPI	89	EPI	0.0213	EPI
Chlorpyrifos	2921-88-2	350.59	EPI	0.0001198	0.00000293	EPI			0.038214	WATER9	4.465E-06	WATER9	7283	EPI	1.12	EPI	0.0334	EPI
Chlorpyrifos Methyl	5598-13-0	322.53	EPI	0.0001533	0.00000375	EPI			0.040399	WATER9	4.7203E-06	WATER9	2193	EPI	4.76	EPI	0.0178	EPI
Chlorsulfuron	64902-72-3	357.77	EPI	1.398E-14	3.42E-16	EPI			0.037701	WATER9	4.405E-06	WATER9	322	EPI	31000	EPI	0.000328	EPI
Chlorthiophos	60238-56-4	361.24	EPI	0.0000491	0.0000012	EPI			0.037459	WATER9	4.3768E-06	WATER9	12790	EPI	0.3	EPI	0.106	EPI
Chromium(III), Insoluble Salts	16065-83-1	52	EPI				5.22	CRC89									0.001	RAGSE
Chromium(VI)	18540-29-9	52	EPI												1690000	CRC89	0.002	RAGSE
Chromium, Total	7440-47-3	52	EPI				7.15	CRC89									0.001	RAGSE
Cobalt	7440-48-4	58.93	EPI				8.86	CRC89									0.0004	RAGSE
Coke Oven Emissions	8007-45-2	78.11	EPI	0.2269011	0.00555	EPI			0.10398	WATER9	0.0000121	WATER9	145.8	EPI	1790	EPI	0.0149	EPI
Copper	7440-50-8	63.55	EPI				8.96	CRC89									0.001	RAGSE
Cresol, m-	108-39-4	108.14	EPI	0.000035	0.000000856	EPI	1.0339	CRC89	0.072872	WATER9	9.3232E-06	WATER9	300.4	EPI	22700	EPI	0.00777	EPI
Cresol, o-	95-48-7	108.14	EPI	0.0000491	0.0000012	EPI	1.0327	CRC89	0.072835	WATER9	9.3168E-06	WATER9	306.5	EPI	25900	EPI	0.00766	EPI
Cresol, p-	106-44-5	108.14	EPI	0.0000409	0.000001	EPI	1.0185	CRC89	0.072394	WATER9	9.2397E-06	WATER9	300.4	EPI	21500	EPI	0.00754	EPI
Cresol, p-chloro-m-	59-50-7	142.59	EPI	0.0001002	0.00000245	EPI			0.069614	WATER9	8.1338E-06	WATER9	491.8	EPI	3830	EPI	0.0285	EPI
Cresols	1319-77-3	108.14	EPI	0.0000491	0.0000012	EPI			0.083707	WATER9	9.7805E-06	WATER9	306.5	EPI	25900	EPI	0.00766	EPI
Crotonaldehyde, trans-	123-73-9	70.09	EPI	0.0007931	0.0000194	EPI	0.8516	CRC89	0.095926	WATER9	0.0000108	WATER9	1.793	EPI	150000	EPI	0.00159	EPI
Cumene	98-82-8	120.2	EPI	0.4701554	0.0115	EPI	0.864	CRC89	0.060304	WATER9	7.8566E-06	WATER9	697.8	EPI	61.3	EPI	0.0897	EPI
Cupferron	135-20-6	155.16	EPI	8.667E-16	2.12E-17	EPI			0.065801	WATER9	7.6883E-06	WATER9	762.4	EPI	204310	EPI	0.00000167	EPI
Cyanazine	21725-46-2	240.7	EPI	1.051E-10	2.57E-12	EPI			0.049102	WATER9	5.7372E-06	WATER9	134.1	EPI	170	EPI	0.00209	EPI
Cyanides																		
~Calcium Cyanide	592-01-8	92.11	EPI														0.001	RAGSE
~Copper Cyanide	544-92-3	89.56	EPI				2.9	CRC89							23	EPI	0.001	RAGSE
~Cyanide (CN-)	57-12-5	27.03	EPI	0.0054374	0.000133	EPI			0.210955	WATER9	0.0000246	WATER9			1000000	EPI	0.001	RAGSE
~Cyanogen	460-19-5	52.04	EPI	0.2207686	0.0054	EPI	0.9537	CRC89	0.123753	WATER9	0.0000138	WATER9			9487	YAWS	0.00089	RAGSE
~Cyanogen Bromide	506-68-3	105.92	EPI	1	0.0245	EPI	2.015	CRC89	0.098407	WATER9	0.0000141	WATER9					0.000255	RAGSE
~Cyanogen Chloride	506-77-4	61.47	EPI	0.0787186	0.0019412	YAWS	1.186	CRC89	0.120745	WATER9	0.0000142	WATER9			30000	YAWS	0.000394	RAGSE
~Hydrogen Cyanide	74-90-8	27.03	EPI	0.0054374	0.000133	EPI	0.6876	CRC89	0.167804	WATER9	0.0000168	WATER9			1000000	EPI	0.001	RAGSE
~Potassium Cyanide	151-50-8	65.12	EPI				1.55	CRC89							720000	EPI	0.002	RAGSE
~Potassium Silver Cyanide	506-61-6	199	EPI														0.002	RAGSE
~Silver Cyanide	506-64-9	133.89	EPI				3.95	CRC89							23	EPI	0.001	RAGSE
~Sodium Cyanide	143-33-9	49.01	EPI				1.6	CRC89							582000	CRC89	0.001	RAGSE
~Thiocyanates	NA																0.001	RAGSE
~Thiocyanic Acid	463-56-9	59.09	EPI				1.126	PPRTV									0.001	RAGSE
~Zinc Cyanide	557-21-1	117.43	EPI				1.852	CRC89							17100	EPI	0.0006	RAGSE
Cyclohexane	110-82-7	84.16	EPI	6.1324612	0.15	EPI	0.7739	CRC89	0.079975	WATER9	9.1079E-06	WATER9	145.8	EPI	55	EPI	0.102	EPI
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	513.09	EPI	4.374E-10	1.07E-11	EPI			0.029645	WATER9	3.4638E-06	WATER9	2807	EPI	0.45388	EPI	0.00283	EPI
Cyclohexanone	108-94-1	98.15	EPI	0.0003679	0.000009	EPI	0.9478	CRC89	0.076757	WATER9	9.3792E-06	WATER9	17.38	EPI	25000	EPI	0.00152	EPI
Cyclohexene	110-83-8	82.15	EPI	1.8601799	0.0455	EPI			0.100542	WATER9	0.0000117	WATER9	145.8	EPI	213	EPI	0.0431	EPI
Cyclohexylamine	108-91-8	99.18	EPI	0.0001701	0.00000416	EPI	0.8191	CRC89	0.071293	WATER9	8.5392E-06	WATER9	32.17	EPI	1000000	EPI	0.00425	EPI
Cyhalothrin/karate	68085-85-8	449.86	EPI	0.0000605	0.00000148	EPI			0.032362	WATER9	3.7812E-06	WATER9	341300	EPI	0.005	EPI	0.21	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Cypermethrin	52315-07-8	416.31	EPI	0.0000172	0.00000042	EPI	1.25	CRC89	0.018905	WATER9	4.6534E-06	WATER9	79750	EPI	0.004	EPI	0.0769	EPI
Cyromazine	66215-27-8	166.19	EPI	2.31E-12	5.65E-14	EPI			0.062857	WATER9	7.3443E-06	WATER9	28.73	EPI	13000	EPI	0.000797	EPI
DDD	72-54-8	320.05	EPI	0.0002698	0.0000066	EPI			0.040608	WATER9	4.7447E-06	WATER9	117500	EPI	0.09	EPI	0.251	EPI
DDE, p,p'-	72-55-9	318.03	EPI	0.0017007	0.0000416	EPI			0.04078	WATER9	4.7648E-06	WATER9	117500	EPI	0.04	EPI	0.545	EPI
DDT	50-29-3	354.49	EPI	0.0003401	0.00000832	EPI			0.037933	WATER9	4.4322E-06	WATER9	168600	EPI	0.0055	EPI	0.628	EPI
Dacthal	1861-32-1	331.97	EPI	0.0000891	0.00000218	EPI			0.03963	WATER9	4.6304E-06	WATER9	511.1	EPI	0.5	EPI	0.015	EPI
Dalapon	75-99-0	142.97	EPI	2.314E-06	5.66E-08	EPI	1.389	CRC89	0.060081	WATER9	9.4134E-06	WATER9	3.231	EPI	502000	EPI	0.000815	EPI
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	959.17	EPI	1.8193E-06	4.45E-08	EPI	3	IRIS	0.019535	WATER9	2.2826E-06	WATER9	276200	EPI	0.0001	EPI	0.725	EPI
Demeton	8065-48-3	258.33	EPI						0.046842	WATER9	5.4731E-06	WATER9	837.9	EPI	60	EPI	0.00761	EPI
Di(2-ethylhexyl)adipate	103-23-1	370.58	EPI	0.0000177	0.000000434	EPI	0.922	CRC89	0.017291	WATER9	4.157E-06	WATER9	36000	EPI	0.78	EPI	3.23	EPI
Diallate	2303-16-4	270.22	EPI	0.0001554	0.0000038	EPI			0.045458	WATER9	5.3114E-06	WATER9	644.3	EPI	14	EPI	0.046	EPI
Diazinon	333-41-5	304.35	EPI	4.6198E-06	0.000000113	EPI	1.1088	CRC89	0.021026	WATER9	5.2259E-06	WATER9	3034	EPI	40	EPI	0.0104	EPI
Dibenzothiophene	132-65-0	184.26	EPI	0.0013818	0.0000338	EPI			0.058677	WATER9	6.8559E-06	WATER9	9161	EPI	1.47	EPI	0.118	EPI
Dibromo-3-chloropropane, 1,2-	96-12-8	236.33	EPI	0.0060098	0.000147	EPI	2.093	CRC89	0.032135	WATER9	8.9048E-06	WATER9	115.8	EPI	1230	EPI	0.00685	EPI
Dibromobenzene, 1,4-	106-37-6	235.91	EPI	0.0365086	0.000893	EPI	2.261	CRC89	0.033276	WATER9	9.3369E-06	WATER9	375.3	EPI	20	EPI	0.0245	EPI
Dibromochloromethane	124-48-1	208.28	EPI	0.0320114	0.000783	EPI	2.451	CRC89	0.036636	WATER9	0.0000106	WATER9	31.82	EPI	2700	EPI	0.00289	EPI
Dibromoethane, 1,2-	106-93-4	187.86	EPI	0.026574	0.00065	EPI	2.1683	CRC89	0.043035	WATER9	0.0000104	WATER9	39.6	EPI	3910	EPI	0.00278	EPI
Dibromomethane (Methylene Bromide)	74-95-3	173.84	EPI	0.0336059	0.000822	EPI	2.4969	CRC89	0.055137	WATER9	0.0000119	WATER9	21.73	EPI	11900	EPI	0.00223	EPI
Dibutyltin Compounds	NA																	
Dicamba	1918-00-9	221.04	EPI	8.9125E-08	2.18E-09	EPI	1.57	CRC89	0.029224	WATER9	7.8006E-06	WATER9	29.01	EPI	8310	EPI	0.00265	EPI
Dichloro-2-butene, 1,4-	764-41-0	125	EPI	0.0271464	0.000664	EPI	1.188	LANGE	0.066505	WATER9	0.00000929	WATER9	131.5	EPI	580	EPI	0.0166	EPI
Dichloro-2-butene, cis-1,4-	1476-11-5	125	EPI	0.0271464	0.000664	EPI	1.188	CRC89	0.066505	WATER9	0.00000929	WATER9	131.5	EPI	580	EPI	0.0166	EPI
Dichloro-2-butene, trans-1,4-	110-57-6	125	EPI	0.0271464	0.000664	EPI	1.183	CRC89	0.066382	WATER9	9.2665E-06	WATER9	131.5	EPI	850	EPI	0.0166	EPI
Dichloroacetic Acid	79-43-6	128.94	EPI	3.426E-07	8.38E-09	EPI	1.5634	CRC89	0.072234	WATER9	0.0000108	WATER9	2.252	EPI	1000000	EPI	0.00121	EPI
Dichlorobenzene, 1,2-	95-50-1	147	EPI	0.0784955	0.00192	EPI	1.3059	CRC89	0.05617	WATER9	8.9213E-06	WATER9	382.9	EPI	156	EPI	0.0446	EPI
Dichlorobenzene, 1,4-	106-46-7	147	EPI	0.0985282	0.00241	EPI	1.2475	CRC89	0.055043	WATER9	8.6797E-06	WATER9	375.3	EPI	81.3	EPI	0.0453	EPI
Dichlorobenzidine, 3,3'-	91-94-1	253.13	EPI	1.64E-07	4.0114E-09	SSL			0.047482	WATER9	5.5478E-06	WATER9	3190	EPI	3.1	EPI	0.0128	EPI
Dichlorobenzophenone, 4,4'-	90-98-2	251.11	EPI	0.0000437	0.00000107	EPI	1.45	CRC89	0.026393	WATER9	6.8893E-06	WATER9	2927	EPI	7.802	EPI	0.0542	EPI
Dichlorodifluoromethane	75-71-8	120.91	EPI	14.022895	0.343	EPI	1.486	PERRY	0.076029	WATER9	0.0000108	WATER9	43.89	EPI	280	EPI	0.00895	EPI
Dichloroethane, 1,1-	75-34-3	98.96	EPI	0.2297629	0.00562	EPI	1.1757	CRC89	0.083645	WATER9	0.0000106	WATER9	31.82	EPI	5040	EPI	0.00675	EPI
Dichloroethane, 1,2-	107-06-2	98.96	EPI	0.048242	0.00118	EPI	1.2454	CRC89	0.085722	WATER9	0.000011	WATER9	39.6	EPI	8600	EPI	0.0042	EPI
Dichloroethylene, 1,1-	75-35-4	96.94	EPI	1.0670482	0.0261	EPI	1.213	CRC89	0.086314	WATER9	0.000011	WATER9	31.82	EPI	2420	EPI	0.0117	EPI
Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	96.94	EPI	0.1668029	0.00408	EPI	1.265	PERRY	0.087863	WATER9	0.0000112	WATER9	39.6	EPI	3500	EPI	0.011	EPI
Dichloroethylene, 1,2-cis-	156-59-2	96.94	EPI	0.1668029	0.00408	EPI	1.2837	CRC89	0.088409	WATER9	0.0000113	WATER9	39.6	EPI	6410	EPI	0.011	EPI
Dichloroethylene, 1,2-trans-	156-60-5	96.94	EPI	0.1668029	0.00408	EPI	1.2565	CRC89	0.087613	WATER9	0.0000112	WATER9	39.6	EPI	4520	EPI	0.011	EPI
Dichlorophenol, 2,4-	120-83-2	163	EPI	0.0001754	0.00000429	EPI	1.383	PERRY	0.048577	WATER9	8.6787E-06	WATER9	491.8	EPI	4500	EPI	0.0206	EPI
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	221.04	EPI	1.4473E-06	3.54E-08	EPI			0.051972	WATER9	6.0726E-06	WATER9	29.63	EPI	677	EPI	0.00664	EPI
Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6	249.1	EPI	2.3998E-07	5.87E-09	EPI			0.047992	WATER9	5.6075E-06	WATER9	98.4	EPI	46	EPI	0.0139	EPI
Dichloropropane, 1,2-	78-87-5	112.99	EPI	0.1152903	0.00282	EPI	1.159	PERRY	0.07334	WATER9	9.7252E-06	WATER9	60.7	EPI	2800	EPI	0.00753	EPI
Dichloropropane, 1,3-	142-28-9	112.99	EPI	0.0399019	0.000976	EPI	1.1785	CRC89	0.073874	WATER9	9.823E-06	WATER9	72.17	EPI	2750	EPI	0.00776	EPI
Dichloropropanol, 2,3-	616-23-9	128.99	EPI	1.48E-07	3.62E-09	EPI	1.3607	CRC89	0.068017	WATER9	0.00000989	WATER9	5.568	EPI	60820	EPI	0.000983	EPI
Dichloropropene, 1,3-	542-75-6	110.97	EPI	0.1451349	0.00355	EPI	1.217	LANGE	0.076273	WATER9	0.0000101	WATER9	72.17	EPI	2800	EPI	0.00834	EPI
Dichlorvos	62-73-7	220.98	EPI	0.0000235	0.000000574	EPI	1.415	CRC89	0.027877	WATER9	7.3302E-06	WATER9	53.96	EPI	8000	EPI	0.000804	EPI
Dicyclopentadiene	77-73-6	132.21	EPI	2.5551922	0.0625	EPI	0.93	LANGE	0.055746	WATER9	7.7554E-06	WATER9	1513	EPI	13.687	EPI	0.036	EPI
Dieldrin	60-57-1	380.91	EPI	0.0004088	0.00001	EPI	1.75	CRC89	0.023287	WATER9	6.0062E-06	WATER9	20090	EPI	0.195	EPI	0.0326	EPI
Diesel Engine Exhaust	NA																	
Diethanolamine	111-42-2	105.14	EPI	1.5822E-09	3.87E-11	EPI	1.0966	CRC89	0.076805	WATER9	9.8229E-06	WATER9	1	EPI	1000000	EPI	0.0000451	EPI
Diethylene Glycol Monobutyl Ether	112-34-5	162.23	EPI	2.9436E-07	7.2E-09	EPI	0.9553	CRC89	0.041438	WATER9	6.9707E-06	WATER9	10	EPI	1000000	EPI	0.000454	EPI
Diethylene Glycol Monoethyl Ether	111-90-0	134.18	EPI	9.1169E-07	2.23E-08	EPI	0.9885	CRC89	0.056241	WATER9	7.9734E-06	WATER9	1	EPI	1000000	EPI	0.000121	EPI
Diethylformamide	617-84-5	101.15	EPI	5.3148E-06	0.00000013	EPI	0.908	CRC89	0.073301	WATER9	8.9773E-06	WATER9	2.06	EPI	1000000	EPI	0.000457	EPI
Diethylstilbestrol	56-53-1	268.36	EPI	2.371E-10	5.8E-12	EPI			0.045668	WATER9	5.3359E-06	WATER9	274100	EPI	12	EPI	0.114	EPI
Difenzoquat	43222-48-6	360.43	EPI						0.037515	WATER9	4.3833E-06	WATER9	78380	EPI	817000	EPI	0.0000402	EPI
Diflubenzuron	35367-38-5	310.69	EPI	1.8806E-07	4.6E-09	EPI			0.041419	WATER9	4.8395E-06	WATER9	463.2	EPI	0.08	EPI	0.0107	EPI
Difluoroethane, 1,1-	75-37-6	66.05	EPI	0.8299264	0.0203	EPI	0.896	CRC89	0.102316	WATER9	0.0000115	WATER9	31.82	EPI	3200	EPI	0.0021	EPI
Dihydrosafrole	94-58-6	164.21	EPI	6.7457073	0.165	EPI			0.063361	WATER9	7.4032E-06	WATER9	207.2	EPI	5.7727	EPI	0.0452	EPI
Diisopropyl Ether	108-20-3	102.18	EPI	0.1046607	0.00256	EPI	0.7192	CRC89	0.065423	WATER9	7.7582E-06	WATER9	22.79	EPI	8800	EPI	0.00428	EPI
Diisopropyl Methylphosphonate	1445-75-6	180.19	EPI	0.0017907	0.0000438	EPI			0.059557	WATER9	6.9588E-06	WATER9	42.2	EPI	1500	EPI	0.000738	EPI
Dimethipin	55290-64-7	210.26	EPI	9.403E-10	2.3E-11	EPI			0.053734	WATER9	6.2784E-06	WATER9	10	EPI	4600	EPI	0.0000798	EPI
Dimethoate	60-51-5	229.25	EPI	9.9346E-09	2.43E-10	EPI	1.277	CRC89	0.026086	WATER9	6.7422E-06	WATER9	12.77	EPI	23300	EPI	0.000267	EPI
Dimethoxybenzidine, 3,3'-	119-90-4	244.3	EPI	1.9052E-09	4.66E-11	EPI			0.048619	WATER9	5.6807E-06	WATER9	508.8	EPI	60	EPI	0.00106	EPI
Dimethyl methylphosphonate	756-79-6	124.08	EPI	0.0000511	0.00000125	EPI	1.1684	CRC89	0.06658	WATER9	9.2386E-06	WATER9	5.407	EPI	1000000	EPI	0.000124	EPI
Dimethylamino azobenzene [p-]	60-11-7	225.3	EPI	9.5666E-06	0.000000234	EPI			0.051315	WATER9	5.9958E-06	WATER9	2028	EPI	0.23	EPI	0.0943	EPI
Dimethylaniline HCl, 2,4-	21436-96-4	157.64	EPI	8.79E-12	2.15E-13	EPI			0.065109	WATER9	7.6075E-06	WATER9	351.9	EPI	150.28	EPI	0.0000202	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Dimethylaniline, 2,4-	95-68-1	121.18	EPI	0.0001022	0.0000025	EPI	0.9723	CRC89	0.063025	WATER9	8.3925E-06	WATER9	184.5	EPI	2175.5	EPI	0.00428	EPI
Dimethylaniline, N,N-	121-69-7	121.18	EPI	0.0023222	0.0000568	EPI	0.9557	CRC89	0.062541	WATER9	8.3063E-06	WATER9	78.67	EPI	1450	EPI	0.0112	EPI
Dimethylbenzidine, 3,3'-	119-93-7	212.3	EPI	3.3115E-09	8.1E-11	EPI			0.053389	WATER9	6.2381E-06	WATER9	3190	EPI	1300	EPI	0.00362	EPI
Dimethylformamide	68-12-2	73.1	EPI	3.0213E-06	7.39E-08	EPI	0.9445	CRC89	0.09718	WATER9	0.0000112	WATER9	1	EPI	1000000	EPI	0.00013	EPI
Dimethylhydrazine, 1,1-	57-14-7	60.1	EPI	2.8414E-06	6.95E-08	EPI	0.791	CRC89	0.103785	WATER9	0.0000113	WATER9	11.95	EPI	1000000	EPI	0.0000727	RAGSE
Dimethylhydrazine, 1,2-	540-73-8	60.1	EPI	2.8414E-06	6.95E-08	EPI	0.8274	CRC89	0.105769	WATER9	0.0000116	WATER9	14.87	EPI	1000000	EPI	0.000317	EPI
Dimethylphenol, 2,4-	105-67-9	122.17	EPI	0.0000389	0.000000951	EPI	0.965	CRC89	0.062245	WATER9	8.314E-06	WATER9	491.8	EPI	7870	EPI	0.0109	EPI
Dimethylphenol, 2,6-	576-26-1	122.17	EPI	0.0002719	0.00000665	EPI			0.077169	WATER9	9.0166E-06	WATER9	501.9	EPI	6050	EPI	0.012	EPI
Dimethylphenol, 3,4-	95-65-8	122.17	EPI	0.000017	0.000000415	EPI	0.983	CRC89	0.062762	WATER9	8.4067E-06	WATER9	491.8	EPI	4760	EPI	0.0098	EPI
Dimethylvinylchloride	513-37-1	90.55	EPI	3.311529	0.081	EPI	0.9186	CRC89	0.081174	WATER9	9.6608E-06	WATER9	60.7	EPI	1000	EPI	0.0253	EPI
Dinitro-o-cresol, 4,6-	534-52-1	198.14	EPI	0.0000572	0.0000014	EPI			0.055904	WATER9	6.5319E-06	WATER9	754.4	EPI	198	EPI	0.00315	EPI
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	266.26	EPI	1.3818E-09	3.38E-11	EPI			0.045907	WATER9	5.3639E-06	WATER9	16540	EPI	15	EPI	0.0275	EPI
Dinitrobenzene, 1,2-	528-29-0	168.11	EPI	2.1791E-06	5.33E-08	EPI	1.3119	CRC89	0.044718	WATER9	8.2538E-06	WATER9	358.8	EPI	133	EPI	0.00237	EPI
Dinitrobenzene, 1,3-	99-65-0	168.11	EPI	2.0033E-06	0.000000049	EPI	1.5751	CRC89	0.048499	WATER9	9.2109E-06	WATER9	351.6	EPI	533	EPI	0.00174	EPI
Dinitrobenzene, 1,4-	100-25-4	168.11	EPI	0.0000151	0.00000037	EPI	1.625	CRC89	0.049167	WATER9	9.3849E-06	WATER9	351.6	EPI	69	EPI	0.00167	EPI
Dinitrophenol, 2,4-	51-28-5	184.11	EPI	3.5159E-06	0.000000086	EPI	1.683	CRC89	0.04067	WATER9	9.0756E-06	WATER9	460.8	EPI	2790	EPI	0.00187	EPI
Dinitrotoluene Mixture, 2,4/2,6-	NA	182.14	EPI	0.0000162	0.000000397	EPI			0.059131	WATER9	6.909E-06	WATER9	587.4	EPI	270	EPI	0.00416	EPI
Dinitrotoluene, 2,4-	121-14-2	182.14	EPI	2.2077E-06	0.000000054	EPI	1.3208	CRC89	0.037512	WATER9	7.8982E-06	WATER9	575.6	EPI	200	EPI	0.00308	EPI
Dinitrotoluene, 2,6-	606-20-2	182.14	EPI	0.0000305	0.000000747	EPI	1.2833	CRC89	0.037026	WATER9	7.7629E-06	WATER9	587.4	EPI	182	SSL	0.0037	EPI
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	197.15	EPI	6.6231E-09	1.62E-10	EPI			0.056091	WATER9	6.5537E-06	WATER9	283	EPI	319.49	EPI	0.00204	EPI
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	197.15	EPI	6.6231E-09	1.62E-10	EPI			0.056091	WATER9	6.5537E-06	WATER9	283	EPI	319.49	EPI	0.00204	EPI
Dinitrotoluene, Technical grade	25321-14-6	182.14	EPI	0.0000162	0.000000397	EPI			0.059131	WATER9	6.909E-06	WATER9	587.4	EPI	270	EPI	0.00416	EPI
Dinoseb	88-85-7	240.22	EPI	0.0000186	0.000000456	EPI	1.265	CRC89	0.025346	WATER9	6.5187E-06	WATER9	4294	EPI	52	EPI	0.0163	EPI
Dioxane, 1,4-	123-91-1	88.11	EPI	0.0001962	0.0000048	EPI	1.0337	CRC89	0.087372	WATER9	0.0000105	WATER9	2.633	EPI	1000000	EPI	0.000332	EPI
Dioxins																		
~Hexachlorodibenzo-p-dioxin, Mixture	NA	390.87	EPI	0.000233	0.0000057	EPI			0.042683	WATER9	4.1527E-06	WATER9	695200	EPI	0.000004	EPI	2.86	EPI
~TCDD, 2,3,7,8-	1746-01-6	321.98	EPI	0.0020442	0.00005	EPI			0.047028	WATER9	4.7257E-06	WATER9	249100	EPI	0.0002	EPI	0.808	EPI
Diphenamid	957-51-7	239.32	EPI	1.4841E-09	3.63E-11	EPI	1.17	CRC89	0.024483	WATER9	6.2344E-06	WATER9	4798	EPI	260	EPI	0.00563	EPI
Diphenyl Sulfone	127-63-9	218.27	EPI	0.0000102	0.000000249	EPI	1.252	CRC89	0.026518	WATER9	6.8618E-06	WATER9	1109	EPI	9.4191	EPI	0.00367	EPI
Diphenylamine	122-39-4	169.23	EPI	0.00011	0.00000269	EPI	1.158	CRC89	0.041706	WATER9	7.628E-06	WATER9	825.8	EPI	53	EPI	0.0373	EPI
Diphenylhydrazine, 1,2-	122-66-7	184.24	EPI	0.0000195	0.000000478	EPI	1.158	CRC89	0.034312	WATER9	7.2488E-06	WATER9	1505	EPI	221	EPI	0.013	EPI
Diquat	85-00-7	344.05	EPI	5.805E-12	1.42E-13	EPI	1.24	CRC89	0.02081	WATER9	5.1922E-06	WATER9	9272	EPI	708000	EPI	2.44E-07	EPI
Direct Black 38	1937-37-7	737.77	EPI	3.365E-38	8.23E-40	EPI			0.023271	WATER9	2.719E-06	WATER9	242000000	EPI	55.937	EPI	0.000205	EPI
Direct Blue 6	2602-46-2	821.67	EPI	6.705E-42	1.64E-43	EPI			0.021658	WATER9	2.5306E-06	WATER9	790800000	EPI	8.2167E-07	EPI	1.73E-09	EPI
Direct Brown 95	16071-86-6	760.11	EPI						0.022812	WATER9	2.6654E-06	WATER9	6985000	EPI	9.7133E-07	EPI	3.87E-12	EPI
Disulfoton	298-04-4	274.39	EPI	0.0000883	0.00000216	EPI	1.144	CRC89	0.022543	WATER9	5.6664E-06	WATER9	837.9	EPI	16.3	EPI	0.0212	EPI
Dithiane, 1,4-	505-29-3	120.23	EPI	0.0017171	0.000042	EPI			0.077997	WATER9	9.1133E-06	WATER9	145.8	EPI	3000	EPI	0.00108	EPI
Diuron	330-54-1	233.1	EPI	2.0605E-08	5.04E-10	EPI			0.050164	WATER9	5.8613E-06	WATER9	109.1	EPI	42	EPI	0.00466	EPI
Dodine	2439-10-3	287.45	EPI	3.6836E-09	9.01E-11	EPI			0.043623	WATER9	5.097E-06	WATER9	2482	EPI	630	EPI	0.000222	EPI
EPTC	759-94-4	189.32	EPI	0.00065	0.0000159	EPI	0.9546	CRC89	0.029126	WATER9	6.3511E-06	WATER9	164.1	EPI	375	EPI	0.0184	EPI
Endosulfan	115-29-7	406.92	EPI	0.0026574	0.000065	EPI	1.745	CRC89	0.022485	WATER9	5.7629E-06	WATER9	6761	EPI	0.325	EPI	0.00286	EPI
Endothall	145-73-3	186.17	EPI	1.574E-14	3.85E-16	EPI	1.431	CRC89	0.036747	WATER9	8.1792E-06	WATER9	19.41	EPI	100000	EPI	0.00263	EPI
Endrin	72-20-8	380.91	EPI	0.0004088	0.00001	EPI			0.036158	WATER9	4.2248E-06	WATER9	20090	EPI	0.25	EPI	0.0326	EPI
Epichlorohydrin	106-89-8	92.53	EPI	0.0012428	0.0000304	EPI	1.183	PERRY	0.088865	WATER9	0.0000111	WATER9	9.907	EPI	65900	EPI	0.000944	EPI
Epoxybutane, 1,2-	106-88-7	72.11	EPI	0.007359	0.00018	EPI	0.8297	CRC89	0.092894	WATER9	0.0000104	WATER9	9.907	EPI	95000	EPI	0.00231	EPI
Ethephon	16672-87-0	144.5	EPI	2.33E-10	5.7E-12	EPI	1.2	CRC89	0.055477	WATER9	8.5676E-06	WATER9	5.028	EPI	1000000	EPI	0.000173	EPI
Ethion	563-12-2	384.46	EPI	0.0000155	0.000000379	EPI	1.22	CRC89	0.019478	WATER9	4.8104E-06	WATER9	882	EPI	2	EPI	0.0255	EPI
Ethoxyethanol Acetate, 2-	111-15-9	132.16	EPI	0.0001308	0.0000032	EPI	0.974	CRC89	0.05695	WATER9	7.9753E-06	WATER9	4.542	EPI	247000	EPI	0.0007	EPI
Ethoxyethanol, 2-	110-80-5	90.12	EPI	0.0000192	0.00000047	EPI	0.9253	CRC89	0.081756	WATER9	9.7308E-06	WATER9	1	EPI	1000000	EPI	0.0003	EPI
Ethyl Acetate	141-78-6	88.11	EPI	0.0054783	0.000134	EPI	0.9003	CRC89	0.082314	WATER9	9.7026E-06	WATER9	5.583	EPI	80000	EPI	0.00153	EPI
Ethyl Acrylate	140-88-5	100.12	EPI	0.0138594	0.000339	EPI	0.9234	CRC89	0.074539	WATER9	9.1242E-06	WATER9	10.65	EPI	15000	EPI	0.00324	EPI
Ethyl Chloride (Chloroethane)	75-00-3	64.52	EPI	0.4538021	0.0111	EPI	0.8902	CRC89	0.103754	WATER9	0.0000116	WATER9	21.73	EPI	6710	EPI	0.00607	EPI
Ethyl Ether	60-29-7	74.12	EPI	0.0502862	0.00123	EPI	0.7138	CRC89	0.085248	WATER9	9.3639E-06	WATER9	9.699	EPI	60400	EPI	0.00235	EPI
Ethyl Methacrylate	97-63-2	114.15	EPI	0.023426	0.000573	EPI	0.9135	CRC89	0.065344	WATER9	8.3794E-06	WATER9	16.66	EPI	5400	EPI	0.00698	EPI
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	323.31	EPI	0.0000182	0.000000444	EPI	1.27	CRC89	0.021748	WATER9	5.4674E-06	WATER9	15470	EPI	3.11	EPI	0.0361	EPI
Ethylbenzene	100-41-4	106.17	EPI	0.3221586	0.00788	EPI	0.8626	CRC89	0.068465	WATER9	8.4558E-06	WATER9	446.1	EPI	169	EPI	0.0493	EPI
Ethylene Cyanohydrin	109-78-4	71.08	EPI	3.0662E-07	7.5E-09	EPI	1.0404	CRC89	0.10331	WATER9	0.000012	WATER9	1	EPI	1000000	EPI	0.000148	EPI
Ethylene Diamine	107-15-3	60.1	EPI	7.0728E-08	1.73E-09	EPI	0.8979	CRC89	0.109445	WATER9	0.0000122	WATER9	14.87	EPI	1000000	EPI	0.0000318	EPI
Ethylene Glycol	107-21-1	62.07	EPI	2.453E-06	0.00000006	EPI	1.1135	CRC89	0.116924	WATER9	0.0000136	WATER9	1	EPI	1000000	EPI	0.0000877	EPI
Ethylene Glycol Monobutyl Ether	111-76-2	118.18	EPI	0.0000654	0.0000016	EPI	0.9015	CRC89	0.062619	WATER9	8.1419E-06	WATER9	2.823	EPI	1000000	EPI	0.00121	EPI
Ethylene Oxide	75-21-8	44.05	EPI	0.0060507	0.000148	EPI	0.8821	CRC89	0.133972	WATER9	0.0000145	WATER9	3.237	EPI	1000000	EPI	0.00056	EPI
Ethylene Thiourea	96-45-7	102.15	EPI	0.0000137	0.000000336	EPI			0.086948	WATER9	0.0000102	WATER9	12.97	EPI	20000	EPI	0.000152	EPI
Ethyleneimine	151-56-4	43.07	EPI	0.0004947	0.0000121	EPI	0.832	CRC89	0.132827	WATER9	0.0000142	WATER9	9.043	EPI	1000000	EPI	0.000581	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Ethylphthalyl Ethyl Glycolate	84-72-0	280.28	EPI	3.1603E-08	7.73E-10	EPI			0.044364	WATER9	5.1835E-06	WATER9	1019	EPI	992.56	EPI	0.00119	EPI
Express	101200-48-0	395.39	EPI	4.17E-12	1.02E-13	EPI			0.03527	WATER9	4.121E-06	WATER9	94.69	EPI	50	EPI	0.000468	EPI
Fenamiphos	22224-92-6	303.36	EPI	4.9469E-08	1.21E-09	EPI	1.15	CRC89	0.021437	WATER9	5.352E-06	WATER9	398	EPI	329	EPI	0.00436	EPI
Fenpropathrin	39515-41-8	349.43	EPI	0.0003123	0.00000764	EPI			0.038298	WATER9	4.4749E-06	WATER9	22490	EPI	0.33	EPI	0.167	EPI
Fluometuron	2164-17-2	232.21	EPI	1.067E-07	2.61E-09	EPI			0.050292	WATER9	5.8762E-06	WATER9	285.3	EPI	110	EPI	0.00316	EPI
Fluoride	16984-48-8	38	EPI												1.69	EPI	0.001	RAGSE
Fluorine (Soluble Fluoride)	7782-41-4	38	EPI				1.553	CRC89							1.69	EPI	0.001	RAGSE
Fluridone	59756-60-4	329.32	EPI	3.3115E-07	8.1E-09	EPI			0.039842	WATER9	4.6552E-06	WATER9	56770	EPI	12	EPI	0.0028	EPI
Flurprimidol	56425-91-3	312.29	EPI	5.3557E-08	1.31E-09	EPI			0.041278	WATER9	4.823E-06	WATER9	2189	EPI	114	EPI	0.00459	EPI
Flutolanil	66332-96-5	323.32	EPI	1.3001E-07	3.18E-09	EPI			0.040333	WATER9	4.7126E-06	WATER9	2558	EPI	6.53	EPI	0.00691	EPI
Fluvalinate	69409-94-5	502.92	EPI	5.928E-07	1.45E-08	EPI			0.030044	WATER9	3.5104E-06	WATER9	730000	EPI	0.005	EPI	0.0792	EPI
Folpet	133-07-3	296.56	EPI	3.1316E-06	7.66E-08	EPI			0.042725	WATER9	4.992E-06	WATER9	17.7	EPI	0.8	EPI	0.00266	EPI
Fomesafen	72178-02-0	438.76	EPI	3.078E-11	7.53E-13	EPI	1.28	CRC89	0.018607	WATER9	4.5736E-06	WATER9	1546	EPI	50	EPI	0.000457	EPI
Fonofos	944-22-9	246.32	EPI	0.0002854	0.00000698	EPI	1.16	CRC89	0.024017	WATER9	6.096E-06	WATER9	855.8	EPI	15.7	EPI	0.027	EPI
Formaldehyde	50-00-0	30.03	EPI	0.0000138	0.000000337	EPI	0.815	CRC89	0.167073	WATER9	0.0000174	WATER9	1	EPI	400000	EPI	0.00182	EPI
Formic Acid	64-18-6	46.03	EPI	6.8275E-06	0.000000167	EPI	1.22	CRC89	0.147862	WATER9	0.0000172	WATER9	1	EPI	1000000	EPI	0.000378	EPI
Fosetyl-AL	39148-24-8	354.11	EPI						0.03796	WATER9	4.4353E-06	WATER9	6485	EPI	111000	EPI	0.00000041	EPI
Furans																		
~Dibenzofuran	132-64-9	168.2	EPI	0.0087081	0.000213	EPI	1.0886	CRC89	0.04105	WATER9	7.3773E-06	WATER9	9161	EPI	3.1	EPI	0.0975	EPI
~Furan	110-00-9	68.08	EPI	0.2207686	0.0054	EPI	0.9514	CRC89	0.102673	WATER9	0.0000117	WATER9	79.99	EPI	10000	EPI	0.00505	EPI
~Tetrahydrofuran	109-99-9	72.11	EPI	0.0028823	0.0000705	EPI	0.8833	CRC89	0.095413	WATER9	0.0000108	WATER9	10.75	EPI	1000000	EPI	0.00125	EPI
Furazolidone	67-45-8	225.16	EPI	1.3328E-09	3.26E-11	EPI			0.051337	WATER9	5.9983E-06	WATER9	858.4	EPI	40	EPI	0.0000803	EPI
Furfural	98-01-1	96.09	EPI	0.0001541	0.00000377	EPI	1.1594	CRC89	0.085318	WATER9	0.0000107	WATER9	6.083	EPI	74100	EPI	0.000848	EPI
Furium	531-82-8	253.23	EPI	5.437E-14	1.33E-15	EPI			0.047469	WATER9	5.5464E-06	WATER9	577.6	EPI	4205.3	EPI	0.000935	EPI
Furmecyclox	60568-05-0	251.33	EPI	2.8168E-07	6.89E-09	EPI			0.047708	WATER9	5.5743E-06	WATER9	429	EPI	0.3	EPI	0.0499	EPI
Glufosinate, Ammonium	77182-82-2	198.16	EPI	1.034E-22	2.53E-24	EPI			0.0559	WATER9	6.5314E-06	WATER9	10	EPI	1370000	EPI	3.42E-08	EPI
Glutaraldehyde	111-30-8	100.12	EPI	9.7711E-07	2.39E-08	EPI			0.08812	WATER9	0.0000103	WATER9	1	EPI	709980	EPI	0.000325	EPI
Glycidyl	765-34-4	72.06	EPI	0.0000321	0.000000784	EPI	1.1403	CRC89	0.106251	WATER9	0.0000126	WATER9	1	EPI	1000000	EPI	0.000516	EPI
Glyphosate	1071-83-6	169.07	EPI	8.585E-11	2.1E-12	EPI			0.062141	WATER9	7.2606E-06	WATER9	2100	ARS	10500	EPI	4.54E-08	EPI
Goal	42874-03-3	361.71	EPI	0.0000335	0.00000082	EPI	1.35	CRC89	0.021124	WATER9	5.3022E-06	WATER9	39900	EPI	0.116	EPI	0.0204	EPI
Guthion	86-50-0	317.32	EPI	9.7711E-07	2.39E-08	EPI	1.44	CRC89	0.023317	WATER9	5.962E-06	WATER9	51.93	EPI	20.9	EPI	0.00175	EPI
Haloxyfop, Methyl	69806-40-2	375.73	EPI	0.000013	0.000000319	EPI			0.03649	WATER9	4.2635E-06	WATER9	5454	EPI	9.3	EPI	0.006	EPI
Harmony	79277-27-3	387.39	EPI	1.668E-12	4.08E-14	EPI			0.035754	WATER9	4.1775E-06	WATER9	50.76	EPI	2240	EPI	0.000114	EPI
Heptachlor	76-44-8	373.32	EPI	0.0120196	0.000294	EPI	1.57	CRC89	0.022344	WATER9	5.6959E-06	WATER9	41260	EPI	0.18	EPI	0.143	EPI
Heptachlor Epoxide	1024-57-3	389.32	EPI	0.0008585	0.000021	EPI			0.035636	WATER9	4.1637E-06	WATER9	10110	EPI	0.2	EPI	0.0209	EPI
Hexabromobenzene	87-82-1	551.49	EPI	0.0011488	0.0000281	EPI			0.028253	WATER9	3.3011E-06	WATER9	2807	EPI	0.00016	EPI	0.0136	EPI
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2														0.0009	IRIS		
Hexachlorobenzene	118-74-1	284.78	EPI	0.0695012	0.0017	EPI	2.044	CRC89	0.028975	WATER9	7.8497E-06	WATER9	6195	EPI	0.0062	EPI	0.254	EPI
Hexachlorobutadiene	87-68-3	260.76	EPI	0.4210957	0.0103	EPI	1.556	CRC89	0.026745	WATER9	7.0264E-06	WATER9	845.2	EPI	3.2	EPI	0.081	EPI
Hexachlorocyclohexane, Alpha-	319-84-6	290.83	EPI	0.0002101	0.00000514	EPI			0.043284	WATER9	5.0574E-06	WATER9	2807	EPI	2	EPI	0.0206	EPI
Hexachlorocyclohexane, Beta-	319-85-7	290.83	EPI	0.0002101	0.00000514	EPI	1.89	CRC89	0.027667	WATER9	7.3955E-06	WATER9	2807	EPI	0.24	EPI	0.0206	EPI
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	290.83	EPI	0.0002101	0.00000514	EPI			0.043284	WATER9	5.0574E-06	WATER9	2807	EPI	7.3	EPI	0.0206	EPI
Hexachlorocyclohexane, Technical	608-73-1	290.83	EPI	0.0002101	0.00000514	EPI			0.043284	WATER9	5.0574E-06	WATER9	2807	EPI	8	EPI	0.0206	EPI
Hexachlorocyclopentadiene	77-47-4	272.77	EPI	1.103843	0.027	EPI	1.7019	CRC89	0.027238	WATER9	7.217E-06	WATER9	1404	EPI	1.8	EPI	0.103	EPI
Hexachloroethane	67-72-1	236.74	EPI	0.1590352	0.00389	EPI	2.091	CRC89	0.032094	WATER9	8.8904E-06	WATER9	196.8	EPI	50	EPI	0.0415	EPI
Hexachlorophene	70-30-4	406.91	EPI	2.24E-11	5.48E-13	EPI			0.034601	WATER9	4.0428E-06	WATER9	668600	EPI	140	EPI	0.836	EPI
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	222.12	EPI	8.217E-10	2.01E-11	EPI	1.82	CRC89	0.031154	WATER9	8.4989E-06	WATER9	89.07	EPI	59.7	EPI	0.000336	EPI
Hexamethylene Diisocyanate, 1,6-	822-06-0	168.2	EPI	0.0019624	0.000048	EPI	1.0528	CRC89	0.040426	WATER9	7.2308E-06	WATER9	4818	EPI	179.03	EPI	0.0237	EPI
Hexamethylphosphoramide	680-31-9	179.2	EPI	2.92E-10	7.13E-12	EPI	1.03	CRC89	0.034837	WATER9	6.8702E-06	WATER9	10	EPI	1000000	EPI	0.000237	EPI
Hexane, N-	110-54-3	86.18	EPI	73.589534	1.8	EPI	0.6606	CRC89	0.073106	WATER9	8.1657E-06	WATER9	131.5	EPI	9.5	EPI	0.201	EPI
Hexanedioic Acid	124-04-9	146.14	EPI	1.926E-10	4.71E-12	EPI	1.36	CRC89	0.057682	WATER9	9.1735E-06	WATER9	24.34	EPI	30800	EPI	0.000268	EPI
Hexanone, 2-	591-78-6	100.16	EPI	0.0038103	0.0000932	EPI	0.8113	CRC89	0.070356	WATER9	8.4404E-06	WATER9	14.98	EPI	17200	EPI	0.00355	EPI
Hexazinone	51235-04-2	252.32	EPI	9.24E-11	2.26E-12	EPI	1.25	CRC89	0.024566	WATER9	6.2842E-06	WATER9	129.4	EPI	33000	EPI	0.00102	EPI
Hydrazine	302-01-2	32.05	EPI				1.0036	CRC89							1000000	EPI	0.0000436	RAGSE
Hydrazine Sulfate	10034-93-2	128.1	EPI				1.378	CRC89							30550	PERRY	0.001	RAGSE
Hydrogen Chloride	7647-01-0	35.45	EPI				1.49	CRC89									0.001	RAGSE
Hydrogen Fluoride	7664-39-3	20.01	EPI				0.818	CRC89									0.001	RAGSE
Hydrogen Sulfide	7783-06-4	34.08	EPI				1.393	CRC89							4370000	PERRY	0.001	RAGSE
Hydroquinone	123-31-9	110.11	EPI	1.9338E-09	4.73E-11	EPI	1.33	CRC89	0.079843	WATER9	0.0000107	WATER9	240.5	EPI	72000	EPI	0.000931	EPI
Imazalil	35554-44-0	297.19	EPI	1.0589E-07	2.59E-09	EPI	1.243	CRC89	0.022493	WATER9	5.6772E-06	WATER9	8495	EPI	180	EPI	0.0116	EPI
Imazaquin	81335-37-7	311.34	EPI	2.825E-16	6.91E-18	EPI			0.041362	WATER9	4.8328E-06	WATER9	2386	EPI	90	EPI	0.000483	EPI
Iodine	7553-56-2	253.81	EPI				4.933	CRC89							330	EPI	0.001	RAGSE
Iprodione	36734-19-7	330.17	EPI	1.2756E-07	3.12E-09	EPI			0.039774	WATER9	4.6472E-06	WATER9	52.52	EPI	13.9	EPI	0.00217	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Iron	7439-89-6	55.85	EPI				7.87	CRC89									0.001	RAGSE
Isobutyl Alcohol	78-83-1	74.12	EPI	0.0003998	0.00000978	EPI	0.8018	CRC89	0.089671	WATER9	0.00001	WATER9	2.919	EPI	85000	EPI	0.00192	EPI
Isophorone	78-59-1	138.21	EPI	0.0002715	0.00000664	EPI	0.9255	CRC89	0.052505	WATER9	7.5296E-06	WATER9	65.15	EPI	12000	EPI	0.00354	EPI
Isopropalin	33820-53-0	309.37	EPI	0.004538	0.000111	EPI			0.041537	WATER9	4.8533E-06	WATER9	11430	EPI	0.11	EPI	0.207	EPI
Isopropanol	67-63-0	60.1	EPI	0.0003312	0.0000081	EPI	0.7809	CRC89	0.103223	WATER9	0.0000112	WATER9	1.53	EPI	1000000	EPI	0.000778	EPI
Isopropyl Methyl Phosphonic Acid	1832-54-8	138.1	EPI	2.8128E-07	6.88E-09	EPI			0.071114	WATER9	8.3092E-06	WATER9	7.707	EPI	1000000	EPI	0.000396	EPI
Isoxaben	82558-50-7	332.4	EPI	5.1922E-08	1.27E-09	EPI			0.039596	WATER9	4.6264E-06	WATER9	1262	EPI	1.42	EPI	0.00887	EPI
JP-7	NA																	
Kerb	23950-58-5	256.13	EPI	3.9943E-07	9.77E-09	EPI			0.04711	WATER9	5.5044E-06	WATER9	404.9	EPI	15	EPI	0.0109	EPI
Lactofen	77501-63-4	461.78	EPI	0.0000193	0.000000472	EPI			0.031803	WATER9	3.7159E-06	WATER9	23030	EPI	0.1	EPI	0.00631	EPI
Lead Compounds																		
~Lead acetate	301-04-2	325.29	EPI				3.25	CRC89	0.033366	WATER9	9.5728E-06	WATER9	1	EPI	443000	CRC89	0.0000208	EPI
~Lead and Compounds	7439-92-1	207.2	EPI				11.3	CRC89									0.0001	RAGSE
~Lead subacetate	1335-32-6	805.7	EPI						0.021943	WATER9	2.5639E-06	WATER9	10.37	EPI	63000	CRC89	1.03E-10	EPI
~Tetraethyl Lead	78-00-2	323.45	EPI	23.221586	0.568	EPI	1.653	CRC89	0.02464	WATER9	6.4025E-06	WATER9	647.9	EPI	0.29	EPI	0.0137	EPI
Linuron	330-55-2	249.1	EPI	2.5552E-07	6.25E-09	EPI			0.047992	WATER9	5.6075E-06	WATER9	339.8	EPI	75	EPI	0.00839	EPI
Lithium	7439-93-2	6.94	EPI				0.534	CRC89									0.001	RAGSE
Londax	83055-99-6	410.4	EPI	1.545E-13	3.78E-15	EPI			0.034405	WATER9	4.0199E-06	WATER9	27.76	EPI	120	EPI	0.000219	EPI
MCPA	94-74-6	200.62	EPI	5.4374E-08	1.33E-09	EPI			0.055442	WATER9	6.4779E-06	WATER9	29.63	EPI	630	EPI	0.0169	EPI
MCPB	94-81-5	228.68	EPI	1.1079E-07	2.71E-09	EPI			0.050808	WATER9	5.9366E-06	WATER9	98.4	EPI	48	EPI	0.0173	EPI
MCPP	93-65-2	214.65	EPI	3.6631E-08	8.96E-10	EPI			0.052999	WATER9	6.1925E-06	WATER9	48.51	EPI	620	EPI	0.0131	EPI
Malathion	121-75-5	330.35	EPI	1.9992E-07	4.89E-09	EPI	1.2076	CRC89	0.020988	WATER9	5.2365E-06	WATER9	31.27	EPI	143	EPI	0.000812	EPI
Maleic Anhydride	108-31-6	98.06	EPI	0.0001607	0.00000393	EPI	1.314	CRC89	0.088395	WATER9	0.0000114	WATER9	1	EPI	163000	PERRY	0.00525	EPI
Maleic Hydrazide	123-33-1	112.09	EPI	1.0834E-09	2.65E-11	EPI			0.081729	WATER9	9.5494E-06	WATER9	3.303	EPI	4510	EPI	0.000102	EPI
Malononitrile	109-77-3	66.06	EPI	5.3557E-06	0.000000131	EPI	1.191	CRC89	0.115073	WATER9	0.0000136	WATER9	3.334	EPI	133000	EPI	0.000266	EPI
Mancozeb	8018-01-7	212.36	EPI	0.0000231	0.000000564	EPI			0.053379	WATER9	6.2369E-06	WATER9	607.6	EPI	1000000	EPI	0.000771	EPI
Maneb	12427-38-2	212.36	EPI	0.0000231	0.000000564	EPI			0.053379	WATER9	6.2369E-06	WATER9	607.6	EPI	1000000	EPI	0.000771	EPI
Manganese (Diet)	7439-96-5	54.94	EPI				7.3	CRC89									0.001	RAGSE
Manganese (Non-diet)	7439-96-5	54.94	EPI				7.3	CRC89									0.001	RAGSE
Mephosfolan	950-10-7	269.32	EPI	4.8651E-09	1.19E-10	EPI			0.045559	WATER9	5.3232E-06	WATER9	636.3	EPI	57	EPI	0.000237	EPI
Mepiquat Chloride	24307-26-4	149.67	EPI	1.762E-10	4.31E-12	EPI			0.067401	WATER9	7.8752E-06	WATER9	66.16	EPI	500000	EPI	0.00000303	EPI
Mercury Compounds																		
~Mercuric Chloride (and other Mercury salts)	7487-94-7	271.5	EPI				5.6	CRC89							69000	EPI	0.001	RAGSE
~Mercury (elemental)	7439-97-6	200.59	EPI	0.467	0.0114228	SSL	13.5336	CRC89	0.0307	SSL	0.0000063	SSL			0.06	EPI	0.001	RAGSE
~Methyl Mercury	22967-92-6	215.63	EPI														0.001	RAGSE
~Phenylmercuric Acetate	62-38-4	336.74	EPI	2.314E-08	5.66E-10	EPI			0.039255	WATER9	4.5866E-06	WATER9	56.44	EPI	4370	EPI	0.0000599	EPI
Merphos	150-50-5	298.5	EPI	0.000928	0.0000227	EPI	1.02	CRC89	0.0204	WATER9	5.0288E-06	WATER9	48970	EPI	0.0009971	EPI	4.15	EPI
Merphos Oxide	78-48-8	314.5	EPI	0.000012	0.000000294	EPI	1.057	CRC89	0.02019	WATER9	4.979E-06	WATER9	2350	EPI	2.3	EPI	0.165	EPI
Metalaxyl	57837-19-1	279.34	EPI	1.2061E-07	2.95E-09	EPI			0.044463	WATER9	5.1951E-06	WATER9	38.57	EPI	8400	EPI	0.00058	EPI
Methacrylonitrile	126-98-7	67.09	EPI	0.0100981	0.000247	EPI	0.8001	CRC89	0.096431	WATER9	0.0000106	WATER9	13.05	EPI	25400	EPI	0.00186	EPI
Methamidophos	10265-92-6	141.13	EPI	3.5487E-08	8.68E-10	EPI	1.31	CRC89	0.059623	WATER9	9.1593E-06	WATER9	5.407	EPI	1000000	EPI	0.0000744	EPI
Methanol	67-56-1	32.04	EPI	0.000186	0.00000455	EPI	0.7914	CRC89	0.158281	WATER9	0.0000165	WATER9	1	EPI	1000000	EPI	0.000319	EPI
Methidathion	950-37-8	302.32	EPI	2.9313E-07	7.17E-09	EPI			0.04218	WATER9	4.9284E-06	WATER9	21.24	EPI	187	EPI	0.000913	EPI
Methomyl	16752-77-5	162.21	EPI	8.054E-10	1.97E-11	EPI	1.2946	CRC89	0.04759	WATER9	8.3658E-06	WATER9	10	EPI	58000	EPI	0.000482	EPI
Methoxy-5-nitroaniline, 2-	99-59-2	168.15	EPI	6.0098E-07	1.47E-08	EPI	1.2068	CRC89	0.043046	WATER9	7.8494E-06	WATER9	71.31	EPI	115	EPI	0.00169	EPI
Methoxychlor	72-43-5	345.66	EPI	8.2993E-06	0.000000203	EPI	1.41	CRC89	0.022085	WATER9	5.5926E-06	WATER9	26890	EPI	0.1	EPI	0.0428	EPI
Methoxyethanol Acetate, 2-	110-49-6	118.13	EPI	0.0000127	0.000000311	EPI	1.0074	CRC89	0.065835	WATER9	8.7052E-06	WATER9	2.492	EPI	1000000	EPI	0.000396	EPI
Methoxyethanol, 2-	109-86-4	76.1	EPI	0.0000135	0.00000033	EPI	0.9647	CRC89	0.095152	WATER9	0.000011	WATER9	1	EPI	1000000	EPI	0.00018	EPI
Methyl Acetate	79-20-9	74.08	EPI	0.0047016	0.000115	EPI	0.9342	CRC89	0.095776	WATER9	0.000011	WATER9	3.064	EPI	243000	EPI	0.000792	EPI
Methyl Acrylate	96-33-3	86.09	EPI	0.0081357	0.000199	EPI	0.9535	CRC89	0.085998	WATER9	0.0000102	WATER9	5.844	EPI	49400	EPI	0.00175	EPI
Methyl Ethyl Ketone (2-Butanone)	78-93-3	72.11	EPI	0.0023262	0.0000569	EPI	0.7999	CRC89	0.091444	WATER9	0.0000102	WATER9	4.51	EPI	223000	EPI	0.000962	EPI
Methyl Hydrazine	60-34-4	46.07	EPI	1.2919E-06	3.16E-08	EPI	0.866	LANGE	0.129093	WATER9	0.000014	WATER9	13.31	EPI	1000000	EPI	0.000173	EPI
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	100.16	EPI	0.0056419	0.000138	EPI	0.7965	CRC89	0.06978	WATER9	8.3477E-06	WATER9	12.6	EPI	19000	EPI	0.00319	EPI
Methyl Isocyanate	624-83-9	57.05	EPI	0.0378577	0.000926	EPI	0.9588	CRC89	0.116552	WATER9	0.0000131	WATER9	39.6	EPI	48330	EPI	0.0025	EPI
Methyl Methacrylate	80-62-6	100.12	EPI	0.0130417	0.000319	EPI	0.9377	CRC89	0.075045	WATER9	9.2087E-06	WATER9	9.14	EPI	15000	EPI	0.00355	EPI
Methyl Parathion	298-00-0	263.21	EPI	4.0883E-06	0.0000001	EPI	1.358	CRC89	0.024985	WATER9	6.4392E-06	WATER9	729.3	EPI	37.7	EPI	0.00416	EPI
Methyl Phosphonic Acid	993-13-5	96.02	EPI	4.988E-10	1.22E-11	EPI			0.090611	WATER9	0.0000106	WATER9	1.407	EPI	20000	EPI	0.0000984	EPI
Methyl Styrene (Mixed Isomers)	25013-15-4	118.18	EPI	0.1230581	0.00301	EPI			0.078897	WATER9	9.2184E-06	WATER9	715.8	EPI	89	EPI	0.066	EPI
Methyl methanesulfonate	66-27-3	110.13	EPI	0.0001648	0.00000403	EPI	1.2943	CRC89	0.078906	WATER9	0.0000106	WATER9	4.332	EPI	200000	LANGE	0.000138	EPI
Methyl tert-Butyl Ether (MTBE)	1634-04-4	88.15	EPI	0.0239984	0.000587	EPI	0.7353	CRC89	0.075268	WATER9	8.5905E-06	WATER9	11.56	EPI	51000	EPI	0.00211	EPI
Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	195.09	EPI	2.61E-16	6.38E-18	EPI			0.056485	WATER9	6.5998E-06	WATER9	201.5	EPI	389.71	EPI	0.00000539	EPI
Methyl-5-Nitroaniline, 2-	99-55-8	152.15	EPI	7.9313E-07	1.94E-08	EPI			0.066666	WATER9	7.7894E-06	WATER9	178.6	EPI	613.11	EPI	0.00384	EPI
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	147.09	EPI	4.988E-11	1.22E-12	EPI			0.068187	WATER9	7.967E-06	WATER9	72.02	EPI	1000000	EPI	0.0000572	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Methylaniline Hydrochloride, 2-	636-21-5	143.62	EPI	0.0000809	0.00000198	EPI			0.06928	WATER9	8.0949E-06	WATER9	115	EPI	16600	EPI	0.00296	EPI
Methylarsonic acid	124-58-3	139.97	EPI						0.07048	WATER9	8.235E-06	WATER9	43.89	EPI	256000	EPI	0.0000419	EPI
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7																	
Methylbenzene-1,4-diamine sulfate, 2-	615-50-9																	
Methylcholanthrene, 3-	56-49-5	268.36	EPI	0.0002142	0.00000524	EPI	1.28	CRC89	0.024056	WATER9	6.1428E-06	WATER9	961600	EPI	0.0029	EPI	0.903	EPI
Methylene Chloride	75-09-2	84.93	EPI	0.13287	0.00325	EPI	1.3266	CRC89	0.099939	WATER9	0.0000125	WATER9	21.73	EPI	13000	EPI	0.00354	EPI
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	267.16	EPI	4.661E-10	1.14E-11	EPI			0.045804	WATER9	5.3519E-06	WATER9	5698	EPI	13.9	EPI	0.0197	EPI
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	254.38	EPI	4.9469E-06	0.000000121	EPI			0.047326	WATER9	5.5297E-06	WATER9	2667	EPI	5.4926	EPI	0.0843967	RAGSE
Methylenebisbenzenamine, 4,4'-	101-77-9	198.27	EPI	6.46E-10	1.58E-11	EPI			0.055879	WATER9	6.529E-06	WATER9	2126	EPI	1000	EPI	0.00138	EPI
Methylenediphenyl Diisocyanate	101-68-8	250.26	EPI	0.0000366	0.000000895	EPI	1.197	CRC89	0.024174	WATER9	6.1531E-06	WATER9	284900	EPI	1.836	EPI	0.181	EPI
Methylstyrene, Alpha-	98-83-9	118.18	EPI	0.1042518	0.00255	EPI	0.9106	CRC89	0.062902	WATER9	8.1911E-06	WATER9	697.8	EPI	116	EPI	0.0699	EPI
Metolachlor	51218-45-2	283.8	EPI	3.6795E-07	0.000000009	EPI	1.12	CRC89	0.021922	WATER9	5.4827E-06	WATER9	488.5	EPI	530	EPI	0.00339	EPI
Metribuzin	21087-64-9	214.29	EPI	4.7833E-09	1.17E-10	EPI	1.31	CRC89	0.02734	WATER9	7.1291E-06	WATER9	53.13	EPI	1050	EPI	0.00132	EPI
Mineral oils	8012-95-1	170.34	EPI	334.42355	8.18	EPI			0.061831	WATER9	7.2245E-06	WATER9	4818	EPI	0.0037	EPI	1.96	EPI
Mirex	2385-85-5	545.55	EPI	0.0331562	0.000811	EPI			0.028458	WATER9	3.325E-06	WATER9	356600	EPI	0.085	EPI	0.0516	EPI
Molinate	2212-67-1	187.3	EPI	0.0001676	0.0000041	EPI	1.063	CRC89	0.031561	WATER9	6.8182E-06	WATER9	181.9	EPI	970	EPI	0.0189	EPI
Molybdenum	7439-98-7	95.94	EPI				10.2	CRC89									0.001	RAGSE
Monochloramine	10599-90-3	51.48	EPI														0.001	RAGSE
Monomethylaniline	100-61-8	107.16	EPI	0.000363	0.00000888	EPI	0.9891	CRC89	0.0721	WATER9	9.1284E-06	WATER9	82.08	EPI	5620	EPI	0.00498	EPI
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	260.34	EPI	8.381E-09	2.05E-10	EPI			0.046601	WATER9	5.4449E-06	WATER9	51890	EPI	1.5867	EPI	0.0262	EPI
Naled	300-76-5	380.79	EPI	0.0026615	0.0000651	EPI	1.96	CRC89	0.024567	WATER9	0.00000643	WATER9	126.7	EPI	1.5	EPI	0.0000944	EPI
Naphtha, High Flash Aromatic (HFAN)	64724-95-6																	
Naphthylamine, 2-	91-59-8	143.19	EPI	3.3115E-06	0.000000081	EPI	1.6414	CRC89	0.064451	WATER9	0.0000104	WATER9	2478	EPI	189	EPI	0.00807	EPI
Napropamide	15299-99-7	271.36	EPI	3.4383E-08	8.41E-10	EPI			0.04533	WATER9	5.2965E-06	WATER9	3218	EPI	73	EPI	0.00804	EPI
Nickel Carbonyl	13463-39-3	170.73	CRC89				1.31	CRC89							180	PERRY	0.001	RAGSE
Nickel Oxide	1313-99-1	74.69	EPI				6.72	CRC89									0.001	RAGSE
Nickel Refinery Dust	NA																0.0002	RAGSE
Nickel Soluble Salts	7440-02-0	58.69	EPI				8.9	CRC89									0.0002	RAGSE
Nickel Subsulfide	12035-72-2	240.21	CRC89				5.87	CRC89									0.0002	RAGSE
Nitrate	14797-55-8	62	EPI														0.001	RAGSE
Nitrate + Nitrite (as N)	NA																0.001	RAGSE
Nitrite	14797-65-0	47.01	EPI														0.001	RAGSE
Nitroaniline, 2-	88-74-4	138.13	EPI	2.4121E-06	0.000000059	EPI	0.9015	CRC89	0.051919	WATER9	7.4144E-06	WATER9	111.3	EPI	1470	EPI	0.00446	EPI
Nitroaniline, 4-	100-01-6	138.13	EPI	5.1513E-08	1.26E-09	EPI	1.424	CRC89	0.06366	WATER9	9.7545E-06	WATER9	109.1	EPI	728	EPI	0.00221	EPI
Nitrobenzene	98-95-3	123.11	EPI	0.0009812	0.000024	EPI	1.2037	CRC89	0.068054	WATER9	9.4495E-06	WATER9	226.4	EPI	2090	EPI	0.00541	EPI
Nitrocellulose	9004-70-0	387.3	EPI	1.345E-21	3.29E-23	EPI			0.035759	WATER9	4.1782E-06	WATER9	10	EPI	1000000	EPI	9.86E-09	EPI
Nitrofurantoin	67-20-9	238.16	EPI	5.437E-11	1.33E-12	EPI			0.049451	WATER9	5.7779E-06	WATER9	116.8	EPI	79.5	EPI	0.0000352	EPI
Nitrofurazone	59-87-0	198.14	EPI	1.267E-11	3.1E-13	EPI			0.055904	WATER9	6.5319E-06	WATER9	349.7	EPI	210	EPI	0.000172	EPI
Nitroglycerin	55-63-0	227.09	EPI	3.5405E-06	8.66E-08	EPI	1.5931	CRC89	0.029015	WATER9	7.7428E-06	WATER9	115.8	EPI	1380	EPI	0.000994	EPI
Nitroguanidine	556-88-7	104.07	EPI	1.836E-10	4.49E-12	EPI			0.085876	WATER9	0.00001	WATER9	20.65	EPI	4400	EPI	0.000105	EPI
Nitromethane	75-52-5	61.04	EPI	0.0011693	0.0000286	EPI	1.1371	CRC89	0.119285	WATER9	0.0000139	WATER9	10.32	EPI	111000	EPI	0.000417	EPI
Nitropropane, 2-	79-46-9	89.09	EPI	0.0048651	0.000119	EPI	0.9821	CRC89	0.084697	WATER9	0.0000102	WATER9	30.8	EPI	17000	EPI	0.00206	EPI
Nitroso-N-ethylurea, N-	759-73-9	117.11	EPI	5.3966E-09	1.32E-10	EPI			0.079376	WATER9	9.2745E-06	WATER9	20.98	EPI	13000	EPI	0.00049	EPI
Nitroso-N-methylurea, N-	684-93-5	103.08	EPI	4.0515E-09	9.91E-11	EPI			0.086425	WATER9	0.0000101	WATER9	11	EPI	14400	EPI	0.000395	EPI
Nitroso-di-N-butylamine, N-	924-16-3	158.25	EPI	0.0005397	0.0000132	EPI			0.064942	WATER9	7.5879E-06	WATER9	914.6	EPI	1270	EPI	0.0113	EPI
Nitroso-di-N-propylamine, N-	621-64-7	130.19	EPI	0.00022	0.00000538	EPI	0.9163	CRC89	0.05644	WATER9	7.758E-06	WATER9	275.4	EPI	13000	EPI	0.00233	EPI
Nitrosodiethanolamine, N-	1116-54-7	134.14	EPI	9.321E-15	2.28E-16	EPI			0.072507	WATER9	8.4719E-06	WATER9	1	EPI	1000000	EPI	0.0000247	RAGSE
Nitrosodiethylamine, N-	55-18-5	102.14	EPI	0.0001484	0.00000363	EPI	0.9422	CRC89	0.073841	WATER9	9.1252E-06	WATER9	82.92	EPI	106000	EPI	0.000872	EPI
Nitrosodimethylamine, N-	62-75-9	74.08	EPI	0.0000744	0.00000182	EPI	1.0048	CRC89	0.09877	WATER9	0.0000115	WATER9	22.79	EPI	1000000	EPI	0.000251	EPI
Nitrosodiphenylamine, N-	86-30-6	198.23	EPI	0.000205	5.0143E-06	SSL			0.055887	WATER9	6.5299E-06	WATER9	2632	EPI	35	EPI	0.0145	EPI
Nitrosomethylethylamine, N-	10595-95-6	88.11	EPI	0.0000589	0.00000144	EPI			0.095956	WATER9	0.0000112	WATER9	43.47	EPI	300000	EPI	0.000533	EPI
Nitrosomorpholine [N-]	59-89-2	116.12	EPI	1.0016E-06	2.45E-08	EPI			0.079827	WATER9	9.3271E-06	WATER9	22.51	EPI	1000000	EPI	0.000178	EPI
Nitrosopiperidine [N-]	100-75-4	114.15	EPI	0.0000345	0.000000844	EPI	1.0631	CRC89	0.06989	WATER9	9.1776E-06	WATER9	167.5	EPI	76500	EPI	0.000622	EPI
Nitrosopyrrolidine, N-	930-55-2	100.12	EPI	1.9992E-06	4.89E-08	EPI	1.085	CRC89	0.079971	WATER9	0.0000101	WATER9	91.91	EPI	1000000	EPI	0.000321	EPI
Nitrotoluene, m-	99-08-1	137.14	EPI	0.0003802	0.0000093	EPI	1.1581	CRC89	0.058686	WATER9	8.6541E-06	WATER9	363.2	EPI	500	EPI	0.0113	EPI
Nitrotoluene, o-	88-72-2	137.14	EPI	0.000511	0.0000125	EPI	1.1611	CRC89	0.058754	WATER9	8.6675E-06	WATER9	370.6	EPI	650	EPI	0.00899	EPI
Nitrotoluene, p-	99-99-0	137.14	EPI	0.0002302	0.00000563	EPI	1.1038	CRC89	0.057443	WATER9	8.4083E-06	WATER9	363.2	EPI	442	EPI	0.01	EPI
Nonane, n-	111-84-2	128.26	EPI	139.00245	3.4	EPI	0.7192	CRC89	0.051432	WATER9	6.769E-06	WATER9	796	EPI	0.22	EPI	1.7	EPI
Norflurazon	27314-13-2	303.67	EPI	1.4023E-08	3.43E-10	EPI			0.042055	WATER9	4.9138E-06	WATER9	3118	EPI	33.7	EPI	0.00105	EPI
Nustar	85509-19-9	315.4	EPI	0.0000207	0.000000506	EPI			0.041006	WATER9	4.7912E-06	WATER9	81060	EPI	54	EPI	0.00766	EPI
Octabromodiphenyl Ether	32536-52-0	801.38	EPI	0.0000105	0.000000256	EPI			0.022022	WATER9	2.5731E-06	WATER9	98980	EPI	0.0000743	EPI	0.0306	EPI
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	296.16	EPI	3.5446E-08	8.67E-10	EPI			0.042763	WATER9	4.9965E-06	WATER9	531.6	EPI	5	EPI	0.0000436	EPI
Octamethylpyrophosphoramide	152-16-9	286.25	EPI	2.58E-15	6.31E-17	EPI	1.09	CRC89	0.02154	WATER9	5.3664E-06	WATER9	20.12	EPI	1000000	EPI	0.0000083	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Oryzalin	19044-88-3	346.36	EPI	7.8087E-08	1.91E-09	EPI			0.038524	WATER9	4.5013E-06	WATER9	825.4	EPI	2.5	EPI	0.00537	EPI
Oxadiazon	19666-30-9	345.23	EPI	2.9722E-06	7.27E-08	EPI			0.038608	WATER9	4.5111E-06	WATER9	4996	EPI	0.7	EPI	0.028	EPI
Oxamyl	23135-22-0	219.26	EPI	9.6893E-09	2.37E-10	EPI	0.97	CRC89	0.02347	WATER9	5.8716E-06	WATER9	10	EPI	280000	EPI	0.0000449	EPI
Paclobutrazol	76738-62-0	293.8	EPI	3.3851E-09	8.28E-11	EPI	1.22	CRC89	0.022428	WATER9	5.6527E-06	WATER9	922.9	EPI	26	EPI	0.00471	EPI
Paraquat Dichloride	1910-42-5	257.16	EPI	1.316E-11	3.22E-13	EPI			0.046984	WATER9	5.4897E-06	WATER9	6780	EPI	700000	EPI	5.77E-08	EPI
Parathion	56-38-2	291.26	EPI	0.0000122	0.000000298	EPI	1.2681	CRC89	0.022949	WATER9	5.8156E-06	WATER9	2422	EPI	11	EPI	0.0128	EPI
Pebulate	1114-71-2	203.35	EPI	0.0096893	0.000237	EPI	0.9458	CRC89	0.024144	WATER9	6.0507E-06	WATER9	299.1	EPI	100	EPI	0.0397	EPI
Pendimethalin	40487-42-1	281.31	EPI	0.000035	0.000000856	EPI	1.19	CRC89	0.022673	WATER9	5.716E-06	WATER9	5615	EPI	0.3	EPI	0.115	EPI
Pentabromodiphenyl Ether	32534-81-9	564.69	EPI	0.0001447	0.00000354	EPI			0.027811	WATER9	3.2495E-06	WATER9	21660	EPI	0.0000009	EPI	0.0373	EPI
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	564.69	EPI	0.0001447	0.00000354	EPI	2.28	IRIS	0.027811	WATER9	3.2495E-06	WATER9	21660	EPI	0.0000009	EPI	0.0373	EPI
Pentachlorobenzene	608-93-5	250.34	EPI	0.0287408	0.000703	EPI	1.8342	CRC89	0.029433	WATER9	7.9473E-06	WATER9	3708	EPI	0.831	EPI	0.168	EPI
Pentachloroethane	76-01-7	202.3	EPI	0.0793132	0.00194	EPI	1.6796	CRC89	0.031517	WATER9	8.5664E-06	WATER9	136.2	EPI	480	EPI	0.0158	EPI
Pentachloronitrobenzene	82-68-8	295.34	EPI	0.001807	0.0000442	EPI	1.718	CRC89	0.026274	WATER9	6.9198E-06	WATER9	5996	EPI	0.44	EPI	0.0418	EPI
Pentachlorophenol	87-86-5	266.34	EPI	1.0016E-06	2.45E-08	EPI	1.978	CRC89	0.02952	WATER9	8.0121E-06	WATER9	4959	EPI	14	EPI	0.127	EPI
Pentaerythritol tetranitrate (PETN)	78-11-5	316.14	EPI	4.906E-10	1.2E-11	EPI	1.773	CRC89	0.025756	WATER9	6.7697E-06	WATER9	647.9	EPI	43	EPI	0.00101	EPI
Pentane, n-	109-66-0	72.15	EPI	51.103843	1.25	EPI	0.6262	CRC89	0.08213	WATER9	8.7975E-06	WATER9	72.17	EPI	38	EPI	0.11	EPI
Perchlorates																		
~Ammonium Perchlorate	7790-98-9	117.49	EPI				1.95	CRC89							200000	EPI	0.001	RAGSE
~Lithium Perchlorate	7791-03-9	106.39	CRC89				2.428	CRC89							587000	CRC89	0.001	RAGSE
~Perchlorate and Perchlorate Salts	14797-73-0	117.49	CRC89												245000	CRC89	0.001	RAGSE
~Potassium Perchlorate	7778-74-7	138.55	EPI				2.52	CRC89							15000	EPI	0.002	RAGSE
~Sodium Perchlorate	7601-89-0	122.44	EPI				2.52	CRC89							2100000	EPI	0.001	RAGSE
Permethrin	52645-53-1	391.3	EPI	0.0000765	0.00000187	EPI	1.23	CRC89	0.019376	WATER9	4.7831E-06	WATER9	118800	EPI	0.006	EPI	0.208	EPI
Phenacetin	62-44-2	179.22	EPI	8.7081E-09	2.13E-10	EPI			0.059772	WATER9	6.9839E-06	WATER9	40.99	EPI	766	EPI	0.00173	EPI
Phenmedipham	13684-63-4	300.32	EPI	3.438E-11	8.41E-13	EPI			0.042367	WATER9	4.9503E-06	WATER9	2594	EPI	4.7	EPI	0.00786	EPI
Phenol	108-95-2	94.11	EPI	0.0000136	0.000000333	EPI	1.0545	CRC89	0.083401	WATER9	0.0000103	WATER9	187.2	EPI	82800	EPI	0.00434	EPI
Phenothiazine	92-84-2	199.27	EPI	0.00000114	2.78E-08	EPI			0.055692	WATER9	6.5072E-06	WATER9	1475	EPI	1.59	EPI	0.0683	EPI
Phenylenediamine, m-	108-45-2	108.14	EPI	5.1104E-08	1.25E-09	EPI	1.0096	CRC89	0.072115	WATER9	9.1911E-06	WATER9	33.83	EPI	238000	EPI	0.000234	EPI
Phenylenediamine, o-	95-54-5	108.14	EPI	2.9436E-07	7.2E-09	EPI			0.083707	WATER9	9.7805E-06	WATER9	34.52	EPI	40400	EPI	0.000487	EPI
Phenylenediamine, p-	106-50-3	108.14	EPI	3.6304E-08	8.88E-10	EPI			0.083707	WATER9	9.7805E-06	WATER9	33.83	EPI	37000	EPI	0.000245	EPI
Phenylphenol, 2-	90-43-7	170.21	EPI	0.0000429	0.00000105	EPI	1.213	CRC89	0.042092	WATER9	7.8162E-06	WATER9	6722	EPI	700	EPI	0.0196	EPI
Phorate	298-02-2	260.37	EPI	0.0001787	0.00000437	EPI	1.16	CRC89	0.023327	WATER9	5.8965E-06	WATER9	459.8	EPI	50	EPI	0.0126	EPI
Phosgene	75-44-5	98.92	EPI	0.6827473	0.0167	EPI	1.3719	CRC89	0.089326	WATER9	0.0000117	WATER9	1	EPI	6825.5	YAWS	0.000147	EPI
Phosmet	732-11-6	317.32	EPI	3.426E-07	8.38E-09	EPI			0.04084	WATER9	4.7719E-06	WATER9	10	EPI	24.4	EPI	0.00183	EPI
Phosphates, Inorganic																		
~Aluminum metaphosphate	13776-88-0	263.9	CRC89				2.779	CRC89									0.001	RAGSE
~Ammonium polyphosphate	68333-79-9																0.001	RAGSE
~Calcium pyrophosphate	7790-76-3	254.1	CRC89				3.09	CRC89									0.001	RAGSE
~Diammonium phosphate	7783-28-0	132.06	EPI														0.001	RAGSE
~Dicalcium phosphate	7757-93-9	136.06	EPI														0.001	RAGSE
~Dimagnesium phosphate	7782-75-4	174.33	CRC89				2.123	CRC89									0.001	RAGSE
~Dipotassium phosphate	7758-11-4	174.18	EPI														0.001	RAGSE
~Disodium phosphate	7558-79-4	141.96	EPI														0.001	RAGSE
~Monoaluminum phosphate	13530-50-2	317.94	CRC89														0.001	RAGSE
~Monoammonium phosphate	7722-76-1	115.03	EPI														0.001	RAGSE
~Monocalcium phosphate	7758-23-8	234.05	EPI														0.001	RAGSE
~Monomagnesium phosphate	7757-86-0	120.28	CRC89														0.001	RAGSE
~Monopotassium phosphate	7778-77-0	136.09	EPI														0.001	RAGSE
~Monosodium phosphate	7558-80-7	119.98	EPI														0.001	RAGSE
~Polyphosphoric acid	8017-16-1	257.96	EPI														0.001	RAGSE
~Potassium tripolyphosphate	13845-36-8																0.001	RAGSE
~Sodium acid pyrophosphate	7758-16-9	221.94	EPI														0.001	RAGSE
~Sodium aluminum phosphate (acidic)	7785-88-8																0.001	RAGSE
~Sodium aluminum phosphate (anhydrous)	10279-59-1																0.001	RAGSE
~Sodium aluminum phosphate (tetrahydrate)	10305-76-7																0.001	RAGSE
~Sodium hexametaphosphate	10124-56-8	611.17	CRC89														0.001	RAGSE
~Sodium polyphosphate	68915-31-1	359.92	EPI														0.001	RAGSE
~Sodium trimetaphosphate	7785-84-4	305.89	EPI														0.001	RAGSE
~Sodium tripolyphosphate	7758-29-4	367.86	EPI														0.001	RAGSE
~Tetrapotassium phosphate	7320-34-5	330.34	EPI														0.001	RAGSE
~Tetrasodium pyrophosphate	7722-88-5	265.9	EPI														0.001	RAGSE
~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5																0.001	RAGSE
~Tricalcium phosphate	7758-87-4	310.18	CRC89				3.14	CRC89									0.001	RAGSE

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
~Trimagnesium phosphate	7757-87-1	262.86	CRC89														0.001	RAGSE
~Tripotassium phosphate	7778-53-2	212.27	EPI														0.001	RAGSE
~Trisodium phosphate	7601-54-9	163.94	EPI														0.001	RAGSE
Phosphine	7803-51-2	34	EPI				1.39	CRC89							3.3	EPI	0.001	RAGSE
Phosphoric Acid	7664-38-2	98	EPI				1.834	PERRY							5480000	CRC89	0.001	RAGSE
Phosphorus, White	7723-14-0	30.974	CRC89				2.69	CRC89							3.3	EPI	0.001	RAGSE
Phthalates																		
~Bis(2-ethylhexyl)phthalate	117-81-7	390.57	EPI	0.000011	0.00000027	EPI	0.981	CRC89	0.01734	WATER9	4.1807E-06	WATER9	119600	EPI	0.27	EPI	1.13	EPI
~Butylphthalyl Butylglycolate	85-70-1	336.39	EPI	1.2592E-07	3.08E-09	EPI	1.1	LANGE	0.019866	WATER9	4.8978E-06	WATER9	11240	EPI	8.4709	EPI	0.0116	EPI
~Dibutyl Phthalate	84-74-2	278.35	EPI	0.000074	0.00000181	EPI	1.0465	CRC89	0.021436	WATER9	5.3255E-06	WATER9	1157	EPI	11.2	EPI	0.042	EPI
~Diethyl Phthalate	84-66-2	222.24	EPI	0.0000249	0.00000061	EPI	1.232	CRC89	0.026074	WATER9	6.7227E-06	WATER9	104.9	EPI	1080	EPI	0.0036	EPI
~Dimethylterephthalate	120-61-6	194.19	EPI	0.0054783	0.000134	EPI	1.075	CRC89	0.028533	WATER9	6.7171E-06	WATER9	30.96	EPI	19	EPI	0.00399	EPI
~Octyl Phthalate, di-N-	117-84-0	390.57	EPI	0.0001051	0.00000257	EPI			0.035559	WATER9	4.1548E-06	WATER9	140800	EPI	0.022	EPI	2.43	EPI
~Phthalic Acid, P-	100-21-0	166.13	EPI	1.586E-11	3.88E-13	EPI	1.51	PERRY	0.048723	WATER9	9.0446E-06	WATER9	79.24	EPI	15	EPI	0.00391	EPI
~Phthalic Anhydride	85-44-9	148.12	EPI	6.6639E-07	1.63E-08	EPI	1.527	CRC89	0.05948	WATER9	9.7545E-06	WATER9	10	EPI	6200	EPI	0.00267	EPI
Picloram	1918-02-1	241.46	EPI	2.179E-12	5.33E-14	EPI			0.048999	WATER9	5.7252E-06	WATER9	38.77	EPI	430	EPI	0.00127	EPI
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	199.12	EPI	7.604E-13	1.86E-14	EPI			0.05572	WATER9	6.5104E-06	WATER9	226.5	EPI	1400	EPI	0.000496	EPI
Pirimiphos, Methyl	29232-93-7	305.33	EPI	0.0000287	0.000000701	EPI	1.17	CRC89	0.021542	WATER9	5.3867E-06	WATER9	374.7	EPI	8.6	EPI	0.0187	EPI
Polybrominated Biphenyls	59536-65-1																	
Polychlorinated Biphenyls (PCBs)																		
~Aroclor 1016	12674-11-2	257.55	EPI	0.0081766	0.0002	EPI			0.046937	WATER9	5.4842E-06	WATER9	47700	EPI	0.42	EPI	0.305	EPI
~Aroclor 1221	11104-28-2	188.66	EPI	0.0300899	0.000736	EPI			0.057761	WATER9	6.7489E-06	WATER9	8397	EPI	15	EPI	0.168	EPI
~Aroclor 1232	11141-16-5	188.66	EPI	0.0300899	0.000736	EPI			0.057761	WATER9	6.7489E-06	WATER9	8397	EPI	1.45	EPI	0.168	EPI
~Aroclor 1242	53469-21-9	291.99	EPI	0.0077678	0.00019	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.277	EPI	0.545	EPI
~Aroclor 1248	12672-29-6	291.99	EPI	0.0179886	0.00044	EPI			0.043169	WATER9	5.044E-06	WATER9	76530	EPI	0.1	EPI	0.475	EPI
~Aroclor 1254	11097-69-1	326.44	EPI	0.0115699	0.000283	EPI			0.040076	WATER9	4.6826E-06	WATER9	130500	EPI	0.043	EPI	0.751	EPI
~Aroclor 1260	11096-82-5	395.33	EPI	0.0137367	0.000336	EPI			0.035273	WATER9	4.1214E-06	WATER9	349700	EPI	0.0144	EPI	0.986	EPI
~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	395.33	EPI	0.0056419	0.000138	EPI			0.035273	WATER9	4.1214E-06	WATER9	349700	EPI	0.000753	EPI	2.96	EPI
~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	360.88	EPI	0.0066231	0.000162	EPI			0.037484	WATER9	4.3797E-06	WATER9	209300	EPI	0.00223	EPI	1.43	EPI
~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	360.88	EPI	0.0066231	0.000162	EPI			0.037484	WATER9	4.3797E-06	WATER9	213600	EPI	0.0016469	EPI	1.66	EPI
~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	360.88	EPI	0.0058463	0.000143	EPI			0.037484	WATER9	4.3797E-06	WATER9	213600	EPI	0.00533	EPI	1.66	EPI
~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	360.88	EPI	0.0066231	0.000162	EPI			0.037484	WATER9	4.3797E-06	WATER9	209300	EPI	0.00051	EPI	1.24	EPI
~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	326.44	EPI	0.0077678	0.00019	EPI			0.040076	WATER9	4.6826E-06	WATER9	130500	EPI	0.016	EPI	1	EPI
~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	326.44	EPI	0.0117743	0.000288	EPI			0.040076	WATER9	4.6826E-06	WATER9	127900	EPI	0.0134	EPI	1.24	EPI
~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	326.44	EPI	0.0115699	0.000283	EPI			0.040076	WATER9	4.6826E-06	WATER9	130500	EPI	0.0034	EPI	0.751	EPI
~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	326.44	EPI	0.0077678	0.00019	EPI			0.040076	WATER9	4.6826E-06	WATER9	130500	EPI	0.016	EPI	1	EPI
~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	326.44	EPI	0.0077678	0.00019	EPI			0.040076	WATER9	4.6826E-06	WATER9	127900	EPI	0.0073282	EPI	1	EPI
~Polychlorinated Biphenyls (high risk)	1336-36-3	291.99	EPI	0.0077678	0.00019	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.7	SSL	0.545	EPI
~Polychlorinated Biphenyls (low risk)	1336-36-3	291.99	EPI	0.0077678	0.00019	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.7	SSL	0.545	EPI
~Polychlorinated Biphenyls (lowest risk)	1336-36-3	291.99	EPI	0.0077678	0.00019	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.7	SSL	0.545	EPI
~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	291.99	EPI	0.0003843	0.0000094	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.000569	EPI	0.917	EPI
~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	291.99	EPI	0.0091169	0.000223	EPI			0.043169	WATER9	5.044E-06	WATER9	78100	EPI	0.032245	EPI	0.584	EPI
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	512.53	EPI	5.397E-10	1.32E-11	EPI			0.029667	WATER9	3.4664E-06	WATER9	10000000000	EPI	1.763E-06	EPI	18.6	EPI
Polynuclear Aromatic Hydrocarbons (PAHs)																		
~Acenaphthene	83-32-9	154.21	EPI	0.0075225	0.000184	EPI	1.222	CRC89	0.050614	WATER9	0.00000833	WATER9	5027	EPI	3.9	EPI	0.086	EPI
~Anthracene	120-12-7	178.24	EPI	0.0022731	0.0000556	EPI	1.28	CRC89	0.038973	WATER9	7.8523E-06	WATER9	16360	EPI	0.0434	EPI	0.142	EPI
~Benz[a]anthracene	56-55-3	228.3	EPI	0.0004906	0.000012	EPI			0.050865	WATER9	5.9431E-06	WATER9	176900	EPI	0.0094	EPI	0.552	EPI
~Benzo(j)fluoranthene	205-82-3	252.32	EPI	8.2993E-06	0.000000203	EPI			0.047583	WATER9	5.5597E-06	WATER9	599400	EPI	0.0025	EPI	0.69	EPI
~Benzo[a]pyrene	50-32-8	252.32	EPI	0.0000187	0.000000457	EPI			0.047583	WATER9	5.5597E-06	WATER9	587400	EPI	0.00162	EPI	0.713	EPI
~Benzo[b]fluoranthene	205-99-2	252.32	EPI	0.0000269	0.000000657	EPI			0.047583	WATER9	5.5597E-06	WATER9	599400	EPI	0.0015	EPI	0.417	EPI
~Benzo[k]fluoranthene	207-08-9	252.32	EPI	0.0000239	0.000000584	EPI			0.047583	WATER9	5.5597E-06	WATER9	587400	EPI	0.0008	EPI	0.691	EPI
~Chloronaphthalene, Beta-	91-58-7	162.62	EPI	0.0130826	0.00032	EPI	1.1377	CRC89	0.044691	WATER9	7.7301E-06	WATER9	2478	EPI	11.7	EPI	0.0749	EPI
~Chrysene	218-01-9	228.3	EPI	0.0002138	0.00000523	EPI	1.274	CRC89	0.026114	WATER9	6.7495E-06	WATER9	180500	EPI	0.002	EPI	0.596	EPI
~Dibenz[a,h]anthracene	53-70-3	278.36	EPI	5.7645E-06	0.000000141	EPI			0.044567	WATER9	5.2073E-06	WATER9	1912000	EPI	0.00249	EPI	0.953	EPI
~Dibenzo(a,e)pyrene	192-65-4	302.38	EPI	5.7645E-07	1.41E-08	EPI			0.042175	WATER9	4.9278E-06	WATER9	6479000	EPI	0.0000425	EPI	4.19	EPI
~Dimethylbenz(a)anthracene, 7,12-	57-97-6	256.35	EPI	0.0001537	0.00000376	EPI			0.047083	WATER9	5.5013E-06	WATER9	493600	EPI	0.061	EPI	0.408	EPI
~Fluoranthene	206-44-0	202.26	EPI	0.0003622	0.00000886	EPI	1.252	CRC89	0.027596	WATER9	7.1827E-06	WATER9	55450	EPI	0.26	EPI	0.308	EPI
~Fluorene	86-73-7	166.22	EPI	0.003933	0.0000962	EPI	1.203	CRC89	0.043974	WATER9	7.889E-06	WATER9	9160	EPI	1.69	EPI	0.11	EPI
~Indeno[1,2,3-cd]pyrene	193-39-5	276.34	EPI	0.0000656	1.6046E-06	SSL			0.044784	WATER9	5.2327E-06	WATER9	3470000	SSL	0.000022	SSL	1.0408205	RAGSE
~Methylnaphthalene, 1-	90-12-0	142.2	EPI	0.0210139	0.000514	EPI	1.0202	CRC89	0.052771	WATER9	7.8477E-06	WATER9	2528	EPI	25.8	EPI	0.0931	EPI
~Methylnaphthalene, 2-	91-57-6	142.2	EPI	0.0211774	0.000518	EPI	1.0058	CRC89	0.052432	WATER9	7.7811E-06	WATER9	2478	EPI	24.6	EPI	0.0917	EPI
~Naphthalene	91-20-3	128.18	EPI	0.0179886	0.00044	EPI	1.0253	CRC89	0.060499	WATER9	8.377E-06	WATER9	1544	EPI	31	EPI	0.0466	EPI
~Nitropyrene, 4-	57835-92-4	247.26	EPI	1.0016E-06	2.45E-08	EPI			0.04823	WATER9	5.6353E-06	WATER9	86110	EPI	0.044505	EPI	0.0922	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
~Pyrene	129-00-0	202.26	EPI	0.0004865	0.0000119	EPI	1.271	CRC89	0.027787	WATER9	7.2479E-06	WATER9	54340	EPI	0.135	EPI	0.201	EPI
Prochloraz	67747-09-5	376.67	EPI	6.7048E-07	1.64E-08	EPI			0.036429	WATER9	4.2564E-06	WATER9	2425	EPI	34	EPI	0.0064	EPI
Profluralin	26399-36-0	347.3	EPI	0.0118561	0.00029	EPI			0.038455	WATER9	4.4931E-06	WATER9	30520	EPI	0.1	EPI	0.09	EPI
Prometon	1610-18-0	225.3	EPI	3.7163E-08	9.09E-10	EPI			0.051315	WATER9	5.9958E-06	WATER9	137.4	EPI	750	EPI	0.00827	EPI
Prometryn	7287-19-6	241.36	EPI	4.8651E-07	1.19E-08	EPI	1.157	CRC89	0.024246	WATER9	6.1613E-06	WATER9	656.4	EPI	33	EPI	0.0149	EPI
Propachlor	1918-16-7	211.69	EPI	0.0000147	0.00000036	EPI	1.242	CRC89	0.026846	WATER9	6.9554E-06	WATER9	204.5	EPI	580	EPI	0.00286	EPI
Propanil	709-98-8	218.08	EPI	6.991E-08	1.71E-09	EPI	1.25	CRC89	0.026511	WATER9	6.8588E-06	WATER9	175.9	EPI	152	EPI	0.0103	EPI
Propargite	2312-35-8	350.48	EPI	0.0000262	0.00000064	EPI	1.1	CRC89	0.01944	WATER9	4.7787E-06	WATER9	36650	EPI	0.215	EPI	0.0356	EPI
Propargyl Alcohol	107-19-7	56.06	EPI	0.000047	0.00000115	EPI	0.9478	CRC89	0.117395	WATER9	0.0000131	WATER9	1.904	EPI	1000000	EPI	0.000424	EPI
Propazine	139-40-2	229.71	EPI	1.8806E-07	4.6E-09	EPI	1.162	CRC89	0.024935	WATER9	6.3634E-06	WATER9	344.1	EPI	8.6	EPI	0.00713	EPI
Propham	122-42-9	179.22	EPI	7.5225E-06	0.000000184	EPI	1.09	CRC89	0.03575	WATER9	7.1072E-06	WATER9	218.6	EPI	179	EPI	0.00826	EPI
Propiconazole	60207-90-1	342.23	EPI	7.0319E-08	1.72E-09	EPI	1.27	CRC89	0.021111	WATER9	5.284E-06	WATER9	1556	EPI	110	EPI	0.00558	EPI
Propionaldehyde	123-38-6	58.08	EPI	0.0030008	0.0000734	EPI	0.8657	CRC89	0.110378	WATER9	0.0000122	WATER9	1	EPI	306000	EPI	0.00182	EPI
Propyl benzene	103-65-1	120.2	EPI	0.4292723	0.0105	EPI	0.8593	CRC89	0.060156	WATER9	7.831E-06	WATER9	813.1	EPI	52.2	EPI	0.0939	EPI
Propylene	115-07-1	42.08	EPI	8.0130826	0.196	EPI	0.505	CRC89	0.109699	WATER9	0.0000107	WATER9	21.73	EPI	200	EPI	0.0136	EPI
Propylene Glycol	57-55-6	76.1	EPI	5.2739E-07	1.29E-08	EPI	1.0361	CRC89	0.098065	WATER9	0.0000115	WATER9	1	EPI	1000000	EPI	0.000143	EPI
Propylene Glycol Dinitrate	6423-43-4	166.09	EPI	0.0000385	0.000000942	EPI			0.062882	WATER9	7.3472E-06	WATER9	60.7	EPI	3261.9	EPI	0.00208	EPI
Propylene Glycol Monoethyl Ether	1569-02-4	104.15	EPI	1.0016E-06	2.45E-08	EPI			0.085832	WATER9	0.00001	WATER9	1.303	EPI	789970	EPI	0.000409	EPI
Propylene Glycol Monomethyl Ether	107-98-2	90.12	EPI	0.0000376	0.00000092	EPI	0.962	CRC89	0.083147	WATER9	9.9606E-06	WATER9	1	EPI	1000000	EPI	0.0003717	RAGSE
Propylene Oxide	75-56-9	58.08	EPI	0.0028455	0.0000696	EPI	0.831	PERRY	0.108512	WATER9	0.0000119	WATER9	5.194	EPI	590000	EPI	0.000774	EPI
Pursuit	81335-77-5	289.34	EPI	4.252E-15	1.04E-16	EPI			0.043433	WATER9	5.0747E-06	WATER9	339.1	EPI	1400	EPI	0.002	EPI
Pydrin	51630-58-1	419.91	EPI	1.4105E-06	3.45E-08	EPI	1.15	CRC89	0.018059	WATER9	4.4035E-06	WATER9	317000	EPI	0.024	EPI	0.0938	EPI
Pyridine	110-86-1	79.1	EPI	0.0004497	0.000011	EPI	0.9819	CRC89	0.09309	WATER9	0.0000109	WATER9	71.72	EPI	1000000	EPI	0.00152	EPI
Quinalphos	13593-03-8	298.3	EPI	1.897E-06	4.64E-08	EPI			0.042558	WATER9	4.9726E-06	WATER9	4185	EPI	22	EPI	0.0296	EPI
Quinoline	91-22-5	129.16	EPI	0.0000683	0.00000167	EPI	1.0977	CRC89	0.0618	WATER9	8.6873E-06	WATER9	1544	EPI	6110	EPI	0.00659	EPI
Refractory Ceramic Fibers	NA																0.001	RAGSE
Resmethrin	10453-86-8	338.45	EPI	5.4374E-06	0.000000133	EPI			0.039122	WATER9	4.5711E-06	WATER9	311400	EPI	0.0379	EPI	0.238	EPI
Ronnel	299-84-3	321.54	EPI	0.0013083	0.000032	EPI	1.44	CRC89	0.023158	WATER9	5.9149E-06	WATER9	4457	EPI	1	EPI	0.043	EPI
Rotenone	83-79-4	394.43	EPI	4.579E-12	1.12E-13	EPI			0.035327	WATER9	4.1277E-06	WATER9	261100	EPI	0.2	EPI	0.00509	EPI
Safrole	94-59-7	162.19	EPI	0.0003708	0.00000907	EPI	1.1	CRC89	0.044227	WATER9	7.5874E-06	WATER9	207.2	EPI	5.8996	EPI	0.011285	RAGSE
Savey	78587-05-0	352.88	EPI	9.6893E-07	2.37E-08	EPI			0.038048	WATER9	4.4456E-06	WATER9	2120	EPI	0.5	EPI	0.0828	EPI
Selenious Acid	7783-00-8	128.97	EPI				3	CRC89							900000	PERRY	0.001	RAGSE
Selenium	7782-49-2	78.96	CRC89				4.809	CRC89									0.001	RAGSE
Selenium Sulfide	7446-34-6	111.02	EPI														0.001	RAGSE
Sethoxydim	74051-80-2	327.49	EPI	8.831E-10	2.16E-11	EPI	1.043	CRC89	0.019633	WATER9	4.8208E-06	WATER9	4374	EPI	25	EPI	0.0185	EPI
Silica (crystalline, respirable)	7631-86-9	60.08	EPI				2.32	PERRY									0.001	RAGSE
Silver	7440-22-4	107.87	EPI				10.5	CRC89									0.0006	RAGSE
Simazine	122-34-9	201.66	EPI	3.8512E-08	9.42E-10	EPI	1.302	CRC89	0.028139	WATER9	7.3666E-06	WATER9	146.5	EPI	6.2	EPI	0.00325	EPI
Sodium Acifluorfen	62476-59-9	383.65	EPI	2.4734E-09	6.05E-11	EPI			0.035986	WATER9	4.2046E-06	WATER9	3880	EPI	250000	EPI	0.0000195	EPI
Sodium Azide	26628-22-8	65.01	EPI				1.846	CRC89							408000	CRC89	0.001	RAGSE
Sodium Diethyldithiocarbamate	148-18-5	171.25	EPI						0.061612	WATER9	7.1989E-06	WATER9	204.5	EPI	427890	EPI	0.0000192	EPI
Sodium Fluoride	7681-49-4	41.99	EPI				2.78	CRC89							42200	EPI	0.001	RAGSE
Sodium Fluoroacetate	62-74-8	100.03	EPI	0.0000446	0.00000109	EPI			0.088173	WATER9	0.0000103	WATER9	1.44	EPI	1110000	EPI	0.00000132	EPI
Sodium Metavanadate	13718-26-8	121.93	CRC89												210000	CRC89	0.001	RAGSE
Stirofos (Tetrachlorovinphos)	961-11-5	365.97	EPI	7.5225E-08	1.84E-09	EPI			0.037136	WATER9	4.339E-06	WATER9	1375	EPI	11	EPI	0.00307	EPI
Strontium, Stable	7440-24-6	87.62	EPI				2.64	CRC89									0.001	RAGSE
Strychnine	57-24-9	334.42	EPI	2.437E-12	5.96E-14	EPI	1.36	CRC89	0.022082	WATER9	5.5824E-06	WATER9	5403	EPI	160	EPI	0.000399	EPI
Styrene	100-42-5	104.15	EPI	0.1124285	0.00275	EPI	0.9016	CRC89	0.071114	WATER9	8.7838E-06	WATER9	446.1	EPI	310	EPI	0.0372	EPI
Sulfolane	126-33-0	120.17	EPI	0.000198	0.00000485	EPI	1.2723	CRC89	0.0716	WATER9	9.9117E-06	WATER9	9.079	EPI	292860	EPI	0.000102	EPI
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	287.16	EPI	5.601E-06	0.000000137	EPI			0.043652	WATER9	5.1004E-06	WATER9	2855	EPI	0.51209	EPI	0.0149	EPI
Sulfuric Acid	7664-93-9	98.07	EPI				1.8302	CRC89							1000000	EPI	0.001	RAGSE
Systhane	88671-89-0	288.78	EPI	1.7498E-07	4.28E-09	EPI			0.043489	WATER9	5.0813E-06	WATER9	6075	EPI	142	EPI	0.00337	EPI
TCMTB	21564-17-0	238.34	EPI	2.653E-10	6.49E-12	EPI			0.049426	WATER9	5.775E-06	WATER9	3374	EPI	125	EPI	0.0112	EPI
Tebuthiuron	34014-18-1	228.31	EPI	4.906E-09	1.2E-10	EPI			0.050863	WATER9	5.943E-06	WATER9	42.35	EPI	2500	EPI	0.00127	EPI
Temephos	3383-96-8	466.46	EPI	8.0131E-08	1.96E-09	EPI	1.32	CRC89	0.018295	WATER9	4.4908E-06	WATER9	95060	EPI	0.27	EPI	0.0345	EPI
Terbacil	5902-51-2	216.67	EPI	4.906E-09	1.2E-10	EPI	1.34	CRC89	0.027468	WATER9	7.1789E-06	WATER9	50.1	EPI	710	EPI	0.00172	EPI
Terbufos	13071-79-9	288.42	EPI	0.0009812	0.000024	EPI	1.105	CRC89	0.021596	WATER9	5.3861E-06	WATER9	998.9	EPI	5.07	EPI	0.0358	EPI
Terbutryn	886-50-0	241.36	EPI	8.7899E-07	2.15E-08	EPI	1.115	CRC89	0.023826	WATER9	6.0261E-06	WATER9	607	EPI	25	EPI	0.0212	EPI
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	485.8	EPI	0.0003467	0.00000848	EPI			0.030746	WATER9	3.5924E-06	WATER9	13230	EPI	0.054234	EPI	0.0929	EPI
Tetrachlorobenzene, 1,2,4,5-	95-94-3	215.89	EPI	0.0408831	0.001	EPI	1.858	CRC89	0.031896	WATER9	8.7531E-06	WATER9	2220	EPI	0.595	EPI	0.117	EPI
Tetrachloroethane, 1,1,1,2-	630-20-6	167.85	EPI	0.1022077	0.0025	EPI	1.5406	CRC89	0.048176	WATER9	9.0977E-06	WATER9	86.03	EPI	1070	EPI	0.0159	EPI
Tetrachloroethane, 1,1,2,2-	79-34-5	167.85	EPI	0.0150041	0.000367	EPI	1.5953	CRC89	0.048921	WATER9	9.2902E-06	WATER9	94.94	EPI	2830	EPI	0.00694	EPI
Tetrachloroethylene	127-18-4	165.83	EPI	0.7236304	0.0177	EPI	1.623	CRC89	0.050466	WATER9	9.4551E-06	WATER9	94.94	EPI	206	EPI	0.0334	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Tetrachlorophenol, 2,3,4,6-	58-90-2	231.89	EPI	0.0003614	0.00000884	EPI			0.050338	WATER9	5.8816E-06	WATER9	2969	EPI	23	EPI	0.071	EPI
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	229.92	EPI	0.0078904	0.000193	EPI	1.4463	CRC89	0.027587	WATER9	7.2524E-06	WATER9	1606	EPI	6.1149	EPI	0.0836	EPI
Tetraethyl Dithiopyrophosphate	3689-24-5	322.31	EPI	0.0001819	0.00000445	EPI	1.196	CRC89	0.021162	WATER9	5.2838E-06	WATER9	265.6	EPI	30	EPI	0.0109	EPI
Tetrafluoroethane, 1,1,1,2-	811-97-2	102.03	EPI	2.0441537	0.05	EPI	1.2072	CRC89	0.082307	WATER9	0.0000106	WATER9	86.03	EPI	1089.7	EPI	0.00548	EPI
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	287.15	EPI	1.1079E-07	2.71E-09	EPI	1.57	CRC89	0.025563	WATER9	6.6672E-06	WATER9	4605	EPI	74	EPI	0.000474	EPI
Thallium (I) Nitrate	10102-45-1	266.39	EPI				5.55	CRC89							95500	EPI	0.001	RAGSE
Thallium (Soluble Salts)	7440-28-0	204.38	EPI				11.8	CRC89									0.001	RAGSE
Thallium Acetate	563-68-8	263.43	EPI				3.68	CRC89							10000	EPI	0.001	RAGSE
Thallium Carbonate	6533-73-9	468.78	EPI				7.11	CRC89							52000	EPI	0.001	RAGSE
Thallium Chloride	7791-12-0	239.84	EPI				7	CRC89							2900	EPI	0.001	RAGSE
Thallium Sulfate	7446-18-6	504.82	EPI				6.77	CRC89							54700	CRC89	0.001	RAGSE
Thiobencarb	28249-77-6	257.78	EPI	0.0000109	0.000000267	EPI	1.16	CRC89	0.02345	WATER9	5.9319E-06	WATER9	1628	EPI	28	EPI	0.0102	EPI
Thiodiglycol	111-48-8	122.18	EPI	1.12E-11	2.74E-13	EPI	1.1793	CRC89	0.068021	WATER9	9.3766E-06	WATER9	1	EPI	1000000	EPI	0.000123	EPI
Thiofanox	39196-18-4	218.32	EPI	3.8389E-07	9.39E-09	EPI			0.052403	WATER9	6.1229E-06	WATER9	72.4	EPI	5200	EPI	0.00627	EPI
Thiophanate, Methyl	23564-05-8	342.39	EPI	4.9469E-08	1.21E-09	EPI			0.038822	WATER9	4.536E-06	WATER9	327.4	EPI	26.6	EPI	0.00016	EPI
Thiram	137-26-8	240.42	EPI	7.4407E-06	0.000000182	EPI	1.29	PERRY	0.025567	WATER9	6.5924E-06	WATER9	611.4	EPI	30	EPI	0.00099	EPI
Tin	7440-31-5	118.71	CRC89				7.287	CRC89									0.001	RAGSE
Titanium Tetrachloride	7550-45-0	189.68	EPI				1.73	CRC89									0.001	RAGSE
Toluene	108-88-3	92.14	EPI	0.2714636	0.00664	EPI	0.8623	CRC89	0.077805	WATER9	9.2045E-06	WATER9	233.9	EPI	526	EPI	0.0311	EPI
Toluene-2,5-diamine	95-70-5	122.17	EPI	3.8921E-08	9.52E-10	EPI			0.077169	WATER9	9.0166E-06	WATER9	55.39	EPI	13847	EPI	0.00041	EPI
Toluidine, p-	106-49-0	107.16	EPI	0.0000826	0.00000202	EPI	0.9619	CRC89	0.071219	WATER9	8.977E-06	WATER9	112.7	EPI	6500	EPI	0.00329	EPI
Total Petroleum Hydrocarbons (Aliphatic High)	NA	170.34	EPI	334.42355	8.18	EPI			0.061831	WATER9	7.2245E-06	WATER9	4818	EPI	0.0037	EPI	1.96	EPI
Total Petroleum Hydrocarbons (Aliphatic Low)	NA	86.18	EPI	73.589534	1.8	EPI	0.6606	CRC89	0.073106	WATER9	8.1657E-06	WATER9	131.5	EPI	9.5	EPI	0.201	EPI
Total Petroleum Hydrocarbons (Aliphatic Medium)	NA	128.26	EPI	139.00245	3.4	EPI	0.719	CRC89	0.051425	WATER9	6.7679E-06	WATER9	796	EPI	0.22	EPI	1.7	EPI
Total Petroleum Hydrocarbons (Aromatic High)	NA	202.26	EPI	0.0003622	0.00000886	EPI	1.252	CRC89	0.027596	WATER9	7.1827E-06	WATER9	55450	EPI	0.26	EPI	0.308	EPI
Total Petroleum Hydrocarbons (Aromatic Low)	NA	78.11	EPI	0.2269011	0.00555	EPI	0.8765	CRC89	0.089538	WATER9	0.0000103	WATER9	145.8	EPI	1790	EPI	0.0149	EPI
Total Petroleum Hydrocarbons (Aromatic Medium)	NA	135.19	EPI	0.019583	0.000479	EPI	1.01555	CRC89	0.056382	WATER9	8.0673E-06	WATER9	2011	EPI	27.8	EPI	0.06915	EPI
Toxaphene	8001-35-2	413.82	EPI	0.0002453	0.000006	EPI			0.034215	WATER9	3.9977E-06	WATER9	77200	EPI	0.74	SSL	0.0518	EPI
Tralomethrin	66841-25-6	665.02	EPI	1.6108E-08	3.94E-10	EPI			0.024938	WATER9	2.9138E-06	WATER9	191100	EPI	0.08	EPI	0.0305	EPI
Tri-n-butyltin	688-73-3	291.07	EPI	62.142273	1.52	EPI	1.103	CRC89	0.021473	WATER9	5.3508E-06	WATER9	8091	EPI	0.82457	EPI	0.0193	EPI
Triacetin	102-76-1	218.21	EPI	5.03E-07	1.23E-08	EPI	1.1583	CRC89	0.02558	WATER9	0.00000655	WATER9	40.73	EPI	58000	EPI	0.000137	EPI
Triallate	2303-17-5	304.66	EPI	0.0004906	0.000012	EPI	1.273	CRC89	0.022458	WATER9	5.6739E-06	WATER9	1008	EPI	4	EPI	0.0349	EPI
Triasulfuron	82097-50-5	401.83	EPI	1.321E-11	3.23E-13	EPI			0.034892	WATER9	4.0769E-06	WATER9	427.2	EPI	32	EPI	0.0000469	EPI
Tribromobenzene, 1,2,4-	615-54-3	314.8	EPI	0.0158626	0.000388	EPI			0.041058	WATER9	4.7973E-06	WATER9	614.3	EPI	4.9	EPI	0.0337	EPI
Tributyl Phosphate	126-73-8	266.32	EPI	0.0000576	0.00000141	EPI	0.9727	CRC89	0.021184	WATER9	5.2338E-06	WATER9	2350	EPI	280	EPI	0.0228	EPI
Tributyltin Compounds	NA																	
Tributyltin Oxide	56-35-9	596.12	EPI	0.0000123	0.000000302	EPI	1.17	CRC89	0.015124	WATER9	3.6056E-06	WATER9	25930000	EPI	19.5	EPI	0.000252	EPI
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	187.38	EPI	21.504497	0.526	EPI	1.5635	CRC89	0.037566	WATER9	8.592E-06	WATER9	196.8	EPI	170	EPI	0.0175	EPI
Trichloroacetic Acid	76-03-9	163.39	EPI	5.5192E-07	1.35E-08	EPI	1.6126	CRC89	0.051749	WATER9	9.5028E-06	WATER9	3.231	EPI	54600	EPI	0.00145	EPI
Trichloroaniline HCl, 2,4,6-	33663-50-2	232.93	EPI	2.935E-12	7.18E-14	EPI			0.050188	WATER9	5.8641E-06	WATER9	1271	EPI	20.964	EPI	0.0000276	EPI
Trichloroaniline, 2,4,6-	634-93-5	196.46	EPI	0.0000548	0.00000134	EPI			0.056222	WATER9	6.5691E-06	WATER9	4440	EPI	40	EPI	0.027	EPI
Trichlorobenzene, 1,2,3-	87-61-6	181.45	EPI	0.0511038	0.00125	EPI	1.4533	CRC89	0.03953	WATER9	8.3836E-06	WATER9	1383	EPI	18	EPI	0.0738	EPI
Trichlorobenzene, 1,2,4-	120-82-1	181.45	EPI	0.058054	0.00142	EPI	1.459	CRC89	0.039599	WATER9	8.4033E-06	WATER9	1356	EPI	49	EPI	0.0705	EPI
Trichloroethane, 1,1,1-	71-55-6	133.41	EPI	0.7031889	0.0172	EPI	1.339	CRC89	0.064817	WATER9	9.599E-06	WATER9	43.89	EPI	1290	EPI	0.0126	EPI
Trichloroethane, 1,1,2-	79-00-5	133.41	EPI	0.0336877	0.000824	EPI	1.4397	CRC89	0.06689	WATER9	0.00001	WATER9	60.7	EPI	4590	EPI	0.00504	EPI
Trichloroethylene	79-01-6	131.39	EPI	0.4026983	0.00985	EPI	1.4642	CRC89	0.068662	WATER9	0.0000102	WATER9	60.7	EPI	1280	EPI	0.0116	EPI
Trichlorofluoromethane	75-69-4	137.37	EPI	3.9656582	0.097	EPI	1.4879	CRC89	0.065356	WATER9	0.00001	WATER9	43.89	EPI	1100	EPI	0.0127	EPI
Trichlorophenol, 2,4,5-	95-95-4	197.45	EPI	0.0000662	0.00000162	EPI	1.49	PERRY	0.031394	WATER9	8.0893E-06	WATER9	1777	EPI	1200	EPI	0.0362	EPI
Trichlorophenol, 2,4,6-	88-06-2	197.45	EPI	0.0001063	0.0000026	EPI	1.4901	CRC89	0.031395	WATER9	8.0896E-06	WATER9	1777	EPI	800	EPI	0.0346	EPI
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	255.49	EPI	1.9052E-06	4.66E-08	EPI			0.047189	WATER9	5.5136E-06	WATER9	107	EPI	278	EPI	0.00914	EPI
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	269.51	EPI	3.704E-07	9.06E-09	EPI			0.045538	WATER9	5.3207E-06	WATER9	175.3	EPI	71	EPI	0.0161	EPI
Trichloropropane, 1,1,2-	598-77-6	147.43	EPI	0.0129599	0.000317	EPI	1.372	CRC89	0.057158	WATER9	9.1735E-06	WATER9	94.94	EPI	1900	EPI	0.0096	EPI
Trichloropropane, 1,2,3-	96-18-4	147.43	EPI	0.0140229	0.000343	EPI	1.3889	CRC89	0.057466	WATER9	9.2411E-06	WATER9	115.8	EPI	1750	EPI	0.00752	EPI
Trichloropropene, 1,2,3-	96-19-5	145.42	EPI	0.7195421	0.0176	EPI	1.412	CRC89	0.059063	WATER9	9.4102E-06	WATER9	115.8	EPI	484.19	EPI	0.0169	EPI
Tricresyl Phosphate (TCP)	1330-78-5	368.37	EPI	0.000033	0.000000808	EPI	1.152	Yaws	0.036974	WATER9	4.3201E-06	WATER9	47110	EPI	0.36	EPI	0.0334	EPI
Tridiphane	58138-08-2	320.43	EPI	0.0000168	0.00000041	EPI			0.040576	WATER9	4.7409E-06	WATER9	3447	EPI	1.1696	EPI	0.0689	EPI
Triethylamine	121-44-8	101.19	EPI	0.0060916	0.000149	EPI	0.7275	CRC89	0.066363	WATER9	7.8576E-06	WATER9	50.81	EPI	68600	EPI	0.0039	EPI
Trifluralin	1582-09-8	335.29	EPI	0.004211	0.000103	EPI			0.039368	WATER9	4.5998E-06	WATER9	16390	EPI	0.184	EPI	0.0728	EPI
Trimethyl Phosphate	512-56-1	140.08	EPI	2.9436E-07	7.2E-09	EPI	1.2144	CRC89	0.058255	WATER9	8.7915E-06	WATER9	10.6	EPI	500000	EPI	0.0000948	EPI
Trimethylbenzene, 1,2,3-	526-73-8	120.2	EPI	0.178	0.00436	EPI	0.8944	CRC89	0.061254	WATER9	8.0214E-06	WATER9	626.9	EPI	75.2	EPI	0.0897	EPI
Trimethylbenzene, 1,2,4-	95-63-6	120.2	EPI	0.2518397	0.00616	EPI	0.8758	CRC89	0.060675	WATER9	7.9209E-06	WATER9	614.3	EPI	57	EPI	0.0857	EPI
Trimethylbenzene, 1,3,5-	108-67-8	120.2	EPI	0.3585446	0.00877	EPI	0.8615	CRC89	0.060225	WATER9	7.843E-06	WATER9	602.1	EPI	48.2	EPI	0.0621	EPI
Trinitrobenzene, 1,3,5-	99-35-4	213.11	EPI	2.6574E-07	6.5E-09	EPI	1.4775	CRC89	0.028969	WATER9	7.6882E-06	WATER9	1683	EPI	278	EPI	0.000607	EPI

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon		Water Solubility		Permeability	
Analyte	CAS No.	MW	MW Ref	H` (unitless)	HLC (atm-m^3/mole)	H` and HLC Ref	Density (g/cm^3)	Density Ref	Dia (cm^2/s)	Dia Ref	Diw (cm^2/s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	K_p (cm/hr)	KPREF
Trinitrotoluene, 2,4,6-	118-96-7	227.13	EPI	8.5037E-07	2.08E-08	EPI	1.654	CRC89	0.029509	WATER9	7.9182E-06	WATER9	2812	EPI	115	EPI	0.000963	EPI
Triphenylphosphine Oxide	791-28-6	278.29	EPI	2.1504E-08	5.26E-10	EPI	1.2124	CRC89	0.023005	WATER9	5.8178E-06	WATER9	1954	EPI	204.51	EPI	0.00327	EPI
Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	430.91	EPI	1.067E-07	2.61E-09	EPI			0.033304	WATER9	3.8913E-06	WATER9	11130	EPI	7	EPI	0.00159	EPI
Tris(1-chloro-2-propyl)phosphate	13674-84-5	327.57	EPI	0.00000244	5.96E-08	EPI			0.039984	WATER9	4.6718E-06	WATER9	1604	EPI	1200	EPI	0.0012	EPI
Tris(2-chloroethyl)phosphate	115-96-8	285.49	EPI	0.0001345	0.00000329	EPI	1.39	CRC89	0.024218	WATER9	6.2191E-06	WATER9	388.3	EPI	7000	EPI	0.000355	EPI
Tris(2-ethylhexyl)phosphate	78-42-2	434.65	EPI	3.2134E-06	7.86E-08	EPI	0.99	CRC89	0.016451	WATER9	3.9425E-06	WATER9	2468000	EPI	0.6	EPI	11.6	EPI
Uranium (Soluble Salts)	NA	238.03	CRC89				19.1	CRC89									0.001	RAGSE
Urethane	51-79-6	89.09	EPI	2.6288E-06	6.43E-08	EPI	0.9862	CRC89	0.08485	WATER9	0.0000102	WATER9	12.13	EPI	480000	EPI	0.000394	EPI
Vanadium Pentoxide	1314-62-1	181.88	EPI				3.35	CRC89							700	CRC89	0.001	RAGSE
Vanadium and Compounds	7440-62-2	50.94	EPI				6	CRC89									0.001	RAGSE
Vernolate	1929-77-7	203.35	EPI	0.0012633	0.0000309	EPI	0.952	CRC89	0.024219	WATER9	6.0745E-06	WATER9	299.1	EPI	90	EPI	0.0403	EPI
Vinclozolin	50471-44-8	286.12	EPI	7.1137E-07	1.74E-08	EPI	1.51	CRC89	0.025149	WATER9	6.5272E-06	WATER9	283.6	EPI	2.6	EPI	0.00446	EPI
Vinyl Acetate	108-05-4	86.09	EPI	0.0208913	0.000511	EPI	0.9256	CRC89	0.084902	WATER9	0.00001	WATER9	5.583	EPI	20000	EPI	0.00157	EPI
Vinyl Bromide	593-60-2	106.95	EPI	0.5028618	0.0123	EPI	1.4933	CRC89	0.086224	WATER9	0.0000117	WATER9	21.73	EPI	10358	EPI	0.00435	EPI
Vinyl Chloride	75-01-4	62.5	EPI	1.1365495	0.0278	EPI	0.9106	CRC89	0.107119	WATER9	0.000012	WATER9	21.73	EPI	8800	EPI	0.00838	EPI
Warfarin	81-81-2	308.34	EPI	1.1325E-07	2.77E-09	EPI			0.041629	WATER9	4.8641E-06	WATER9	426.1	EPI	17	EPI	0.00182	EPI
Xylene, P-	106-42-3	106.17	EPI	0.2820932	0.0069	EPI	0.8565	CRC89	0.068249	WATER9	8.4199E-06	WATER9	375.3	EPI	162	EPI	0.0493	EPI
Xylene, m-	108-38-3	106.17	EPI	0.2935405	0.00718	EPI	0.8598	CRC89	0.068366	WATER9	8.4394E-06	WATER9	375.3	EPI	161	EPI	0.0532	EPI
Xylene, o-	95-47-6	106.17	EPI	0.2117743	0.00518	EPI	0.8755	CRC89	0.06892	WATER9	8.5315E-06	WATER9	382.9	EPI	178	EPI	0.0471	EPI
Xylenes	1330-20-7	106.17	EPI	0.2117743	0.00518	EPI			0.08474	WATER9	9.9011E-06	WATER9	382.9	EPI	106	EPI	0.05	EPI
Zinc Phosphide	1314-84-7	258.18	CRC89				4.55	CRC89									0.0006	RAGSE
Zinc and Compounds	7440-66-6	65.38	PERRY				7.134	CRC89									0.0006	RAGSE
Zineb	12122-67-7	275.74	EPI	6.5004E-09	1.59E-10	EPI			0.044849	WATER9	5.2403E-06	WATER9	1345	EPI	10	EPI	0.000325	EPI
Zirconium	7440-67-7	91.22	EPI				6.52	CRC89									0.001	RAGSE