Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Acenaphthene										4.9E+03	1.6E+04	1.4E+04			2.4E+02	1.2E+02	2.4E+04	1.2E+04	
Acenaphthylene										4.9E+03	1.6E+04				4.1E+02	2.0E+02	4.1E+04	2.0E+04	
Acetaldehyde	1.7E+02	8.7E+01				1.7E+02	8.7E+01	1.4E+02	7.4E+01	8.2E+03			1.4E+02	7.4E+01	5.0E+00	2.5E+00	5.0E+02	2.5E+02	4.8E+03
Acetate, 2-ethoxyethanol								6.0E+03	3.1E+03	8.2E+03			6.0E+03	3.1E+03	5.3E+00	2.7E+00	5.3E+02	2.7E+02	9.8E+05
Acetate, isoamyl										5.9E+03					8.7E+00	4.4E+00	8.7E+02	4.4E+02	
Acetate, isobutyl										3.9E+03					3.7E+00	1.8E+00	3.7E+02	1.8E+02	
Acetate, sec-butyl										3.9E+03					4.0E+00	2.0E+00	4.0E+02	2.0E+02	
Acetic acid*																			
Acetone (2-propanone)								6.0E+05	3.1E+05	7.4E+04			6.0E+05	3.1E+05	4.3E+01	2.1E+01	4.3E+03	2.1E+03	2.6E+07
Acetone cyanohydrin								4.3E+03	2.2E+03	2.5E+02	1.1E+03		4.3E+03	2.2E+03	1.4E-01	7.1E-02	1.4E+01	7.1E+00	6.6E+05
Acetonitrile								1.3E+03	6.7E+02	2.6E+03			1.3E+03	6.7E+02	1.5E+00	7.6E-01	1.5E+02	7.6E+01	6.2E+04
Acetophenone										8.2E+03	3.6E+04				8.2E+00	4.1E+00	8.2E+02	4.1E+02	
Acetylaminofluorene, 2-	1.9E+01	9.5E+00	1.6E+00	5.5E+00		1.9E+01	9.5E+00								4.5E-03	2.3E-03	4.5E-01	2.3E-01	1.2E+04
Acifluorfen, sodium										1.1E+03	4.6E+03				2.0E+00	1.0E+00	2.0E+02	1.0E+02	
Acridine										2.5E+02	1.1E+03				7.5E+00	3.8E+00	7.5E+02	3.8E+02	
Acrolein								2.8E+01	1.5E+01	4.1E+01			2.8E+01	1.5E+01	2.4E-02	1.2E-02	2.4E+00	1.2E+00	3.4E+03
Acrylamide	2.8E+01	1.4E+01	1.2E+01	4.2E+01		2.8E+01	1.4E+01	7.2E+02	3.7E+02	1.6E+02	7.1E+02		7.2E+02	3.7E+02	3.5E-03	1.8E-03	3.5E-01	1.8E-01	7.2E+03
Acrylic acid								1.2E+02	6.2E+01	4.1E+04			1.2E+02	6.2E+01	2.4E+01	1.2E+01	2.4E+03	1.2E+03	3.0E+04
Acrylonitrile	5.3E+00	2.7E+00	1.1E+01			5.3E+00	2.7E+00	3.1E+01	1.6E+01	8.2E+01			3.1E+01	1.6E+01	3.3E-03	1.7E-03	3.3E-01	1.7E-01	1.1E+02
Adipic acid (hexanedioic acid)										1.6E+05	7.1E+05				9.4E+01	4.7E+01	9.4E+03	4.7E+03	
Alachlor			7.6E+01	2.6E+02						8.2E+02	3.6E+03				1.9E-02	9.5E-03	1.9E+00	9.5E-01	
Aldicarb										8.2E+01	3.6E+02				1.8E-02	8.9E-03	1.8E+00	8.9E-01	
Aldicarb sulfone										8.2E+01	3.6E+02				1.4E-02	6.9E-03	1.4E+00	6.9E-01	
Aldrin	8.3E+00	4.3E+00	3.6E-01	1.2E+00	6.2E-02	8.3E+00	4.3E+00			2.5E+00	1.1E+01	8.4E-01			1.0E-01	5.1E-02	1.0E+01	5.1E+00	8.5E+03
Allyl alcohol								5.7E+00	2.9E+00	4.1E+02			5.7E+00	2.9E+00	2.5E-01	1.3E-01	2.5E+01	1.3E+01	6.1E+02
Allyl chloride								1.5E+01	7.9E+00	8.2E+02			1.5E+01	7.9E+00	1.0E+00	5.1E-01	1.0E+02	5.1E+01	3.8E+01
Aluminum								4.8E+06	2.5E+06	8.2E+04	3.6E+05	3.7E+06			1.7E+05	8.6E+04	1.7E+07	8.6E+06	
Ametryn										7.4E+02	3.2E+03				7.2E+00	3.6E+00	7.2E+02	3.6E+02	
Amino-2,6-dinitrotoluene, 4-			6.1E+02	2.1E+03						1.4E+01	5.9E+01				6.7E-02	3.3E-02	6.7E+00	3.3E+00	
Amino-4,6-dinitrotoluene, 2-			6.1E+02	2.1E+03						1.4E+01	5.9E+01				9.9E-02	5.0E-02	9.9E+00	5.0E+00	
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)			1.0E+00	3.4E+00											1.1E-02	5.4E-03	1.1E+00	5.4E-01	
Aminopyridine, 4-										1.6E+00	7.1E+00				9.5E-04	4.7E-04	9.5E-02	4.7E-02	
Ammonia								1.5E+03	7.9E+02				1.5E+03	7.9E+02					5.7E+03
Ammonium polyphosphate*																			
Ammonium salts*																			
Aniline			1.1E+03	3.6E+03				1.3E+02	6.7E+01	5.7E+02	2.5E+03		1.3E+02	6.7E+01	3.7E-01	1.8E-01	3.7E+01	1.8E+01	2.5E+04
Anthracene										2.5E+04	8.2E+04	2.9E+05			6.9E+03	3.4E+03	6.9E+05	3.4E+05	
Anthraquinone, 9,10-			1.6E+02	5.3E+02						1.6E+03	7.1E+03				1.1E+00	5.7E-01	1.1E+02	5.7E+01	
Antimony										3.3E+01	2.1E+02	3.2E+01			5.4E+00	2.7E+00	5.4E+02	2.7E+02	
Aramite	3.2E+06	1.6E+06	2.4E+02	8.3E+02	2.7E+02					4.1E+03	1.8E+04	8.9E+03							
Arsenic	5.3E+03	2.7E+03	5.2E+01	4.6E+02	1.3E+02					3.1E+01	3.6E+02	1.5E+02			5.0E+00	2.5E+00	5.0E+02	2.5E+02	
Arsine								7.7E-01	3.9E-01				7.7E-01	3.9E-01					
Asbestos[4]																			
Atrazine			2.7E+01	9.4E+01						2.9E+03	1.2E+04				2.5E-02	1.2E-02	2.5E+00	1.2E+00	
Azinphos-methyl (guthion)										1.2E+02	5.3E+02				4.4E-01	2.2E-01	4.4E+01	2.2E+01	
Azobenzene	1.4E+03	7.1E+02	5.5E+01	1.9E+02	3.5E+02	1.4E+03	7.1E+02								1.8E+01	8.8E+00	1.8E+03	8.8E+02	1.4E+06
Barium										1.6E+04	5.0E+04	2.4E+04			4.4E+02	2.2E+02	4.4E+04	2.2E+04	
Bayleton										2.5E+03	1.1E+04				7.4E+00	3.7E+00	7.4E+02	3.7E+02	
Benefin (benfluralin)										2.5E+04	1.1E+05	4.2E+05			4.9E+04	2.4E+04	4.9E+06	2.4E+06	
Benomyl										4.1E+03	1.8E+04				3.1E+00	1.5E+00	3.1E+02	1.5E+02	
Benz-a-anthracene	3.7E+03	1.9E+03	8.3E+00	2.2E+01	9.4E+01	3.7E+03	1.9E+03								1.8E+01	8.9E+00	1.8E+03	8.9E+02	2.9E+07
Benzaldehyde										8.2E+03					1.1E+01	5.3E+00	1.1E+03	5.3E+02	
Benzene	1.6E+02	8.4E+01	4.0E+02			1.6E+02	8.4E+01	4.3E+03	2.2E+03	3.3E+02			4.3E+03	2.2E+03	2.6E-02	1.3E-02	2.6E+00	1.3E+00	9.2E+02
Benzenedicarbonitrile, 1,3-										4.9E+02	2.1E+03				3.3E-01	1.6E-01	3.3E+01	1.6E+01	
Benzenedicarboxylic acid, 1,2-disodecyl ester								4.3E+06	2.2E+06	3.3E+03		6.6E+05	3.6E+07	1.9E+07	9.6E+08	4.8E+08	9.6E+10	4.8E+10	1.4E+14
Benzenethiol										8.2E+01					6.8E-02	3.4E-02	6.8E+00	3.4E+00	
Benzidine	6.3E-02	3.2E-02	2.6E-02	9.0E-02		6.3E-02	3.2E-02			2.5E+02	1.1E+03				1.1E-05	5.5E-06	1.1E-03	5.5E-04	1.4E+01
Benzo-a-pyrene	8.2E+02	4.2E+02	8.3E-01	2.2E+00	8.9E+00	8.5E+02	4.4E+02								7.6E+00	3.8E+00	7.6E+02	3.8E+02	1.5E+07
Benzo-b-fluoranthene	6.0E+03	3.1E+03	8.3E+00	2.2E+01	1.1E+02	6.1E+03	3.2E+03								6.0E+01	3.0E+01	6.0E+03	3.0E+03	7.9E+07
Benzo-e-pyrene										2.5E+03	8.2E+03	7.4E+04			1.1E+05	5.7E+04	1.1E+07	5.7E+06	
Benzo-g,h,i-perylene										2.5E+03	8.2E+03	3.0E+04			4.6E+04	2.3E+04	4.6E+06	2.3E+06	
Benzoic acid										3.3E+05	1.4E+06				1.9E+02	9.5E+01	1.9E+04	9.5E+03	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Benzo-j-fluoranthene	3.2E+03	1.6E+03	8.3E+00	2.2E+01	4.9E+01	3.2E+03	1.7E+03								2.6E+01	1.3E+01	2.6E+03	1.3E+03	2.2E+07
Benzo-k-fluoranthene	1.4E+05	7.4E+04	8.3E+01	2.2E+02	1.1E+03	1.5E+05	7.8E+04								6.2E+02	3.1E+02	6.2E+04	3.1E+04	4.8E+09
Benzophenone										5.5E+02	2.4E+03				1.7E+01	8.5E+00	1.7E+03	8.5E+02	
Benzotrichloride			4.7E-01	1.6E+00											4.2E-03	2.1E-03	4.2E-01	2.1E-01	
Benzoyl peroxide										4.1E+03	1.8E+04				5.4E+01	2.7E+01	5.4E+03	2.7E+03	
Benzyl alcohol										8.2E+03	3.6E+04				5.9E+00	2.9E+00	5.9E+02	2.9E+02	
Benzyl chloride			3.6E+01					3.1E+01	1.6E+01	1.6E+02			3.1E+01	1.6E+01	5.0E-02	2.5E-02	5.0E+00	2.5E+00	9.3E+02
Benzyl dichloride			3.6E+01	1.2E+02				5.5E+01	2.8E+01	1.6E+02	7.1E+02		5.5E+01	2.8E+01	6.3E-02	3.2E-02	6.3E+00	3.2E+00	2.3E+03
Beryllium	9.4E+03	4.8E+03						1.9E+04	1.0E+04	1.6E+02	5.0E+01	3.1E+03			1.8E+00	9.2E-01	1.8E+02	9.2E+01	
Biphenyl, 1,1-										4.1E+03	1.8E+04				2.5E+02	1.3E+02	2.5E+04	1.3E+04	
Biphenyl, 1,1'-, 2-phenoxy-										4.1E+03		1.0E+05			7.5E+04	3.7E+04	7.5E+06	3.7E+06	
Biquinoline, 2,2'-										2.5E+02	1.1E+03	1.9E+03			2.7E+01	1.3E+01	2.7E+03	1.3E+03	
Bis (2-chloroethoxy) methane	1.1E+01	5.8E+00	5.5E+00	1.9E+01		1.1E+01	5.8E+00			2.5E+02	1.1E+03				1.2E-02	5.9E-03	1.2E+00	5.9E-01	1.1E+03
Bis (2-chloroethyl) ether	3.6E+00	1.8E+00	5.5E+00			3.6E+00	1.8E+00								2.1E-03	1.1E-03	2.1E-01	1.1E-01	2.4E+02
Bis (2-chloroisopropyl) ether	2.1E+02	1.1E+02	8.7E+01	3.0E+02		2.1E+02	1.1E+02			3.3E+03	1.4E+04				1.9E-01	9.5E-02	1.9E+01	9.5E+00	1.3E+04
Bis (2-chloromethyl) ether	5.8E-03	3.0E-03	2.8E-02			5.8E-03	3.0E-03								8.2E-06	4.1E-06	8.2E-04	4.1E-04	1.7E-01
Bis (2-ethyl-hexyl) phthalate			4.3E+02	2.8E+02	5.8E+01					1.6E+03	1.4E+03	4.3E+02			1.6E+02	8.2E+01	1.6E+04	8.2E+03	
Bismuth										4.1E+04	3.6E+05								
Bisphenol A										4.1E+03	1.8E+04				2.9E+01	1.5E+01	2.9E+03	1.5E+03	
Boron[2]								1.9E+07	1.0E+07	1.6E+04	7.1E+05								
Bromacil										8.2E+03	3.6E+04				1.7E+01	8.6E+00	1.7E+03	8.6E+02	
Bromo-2-chloroethane, 1-										3.3E+03					3.5E+00	1.7E+00	3.5E+02	1.7E+02	
Bromobenzene								9.7E+02	5.0E+02	6.6E+02			9.7E+02	5.0E+02	2.3E+00	1.2E+00	2.3E+02	1.2E+02	2.7E+04
Bromodichloromethane			9.8E+01							1.6E+03					6.5E-02	3.3E-02	6.5E+00	3.3E+00	
Bromoform	8.4E+02	4.3E+02	7.7E+02			8.4E+02	4.3E+02			1.6E+03					6.3E-01	3.2E-01	6.3E+01	3.2E+01	2.8E+04
Bromomethane								7.7E+01	3.9E+01	1.1E+02			7.7E+01	3.9E+01	1.3E-01	6.5E-02	1.3E+01	6.5E+00	1.8E+02
Bromophenyl phenylether, 4-	9.7E+00	5.0E+00	4.0E-01	1.4E+00	3.0E+00	9.8E+00	5.0E+00								3.5E-01	1.8E-01	3.5E+01	1.8E+01	9.2E+03
Butadiene, 1,3-	7.2E+02	3.7E+02				7.2E+02	3.7E+02	5.1E+02	2.6E+02				5.1E+02	2.6E+02					5.0E+02
Butadiene, 2-methyl-1,3- (isoprene)								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	1.1E+01	5.5E+00	1.1E+03	5.5E+02	6.2E+05
Butanal (butyraldehyde)										4.9E+03					3.2E+00	1.6E+00	3.2E+02	1.6E+02	
Butane, 2,3-dimethyl-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	2.8E+02	1.4E+02	2.8E+04	1.4E+04	4.6E+05
Butanoic acid (butyric acid)								1.3E+02	6.6E+01	4.1E+04	1.8E+05		1.3E+02	6.6E+01	2.3E+01	1.2E+01	2.3E+03	1.2E+03	3.6E+04
Butanol, 1-, 2-Me-										8.2E+02					6.0E-01	3.0E-01	6.0E+01	3.0E+01	
Butanol, 2-								1.4E+06	7.2E+05	1.6E+05			1.4E+06	7.2E+05	1.0E+02	5.2E+01	1.0E+04	5.2E+03	1.1E+08
Butanol, 2-methyl-2-										8.2E+02					5.9E-01	2.9E-01	5.9E+01	2.9E+01	
Butanol, n-										8.2E+03					5.3E+00	2.6E+00	5.3E+02	2.6E+02	
Butene, 1-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	4.4E+01	2.2E+01	4.4E+03	2.2E+03	3.0E+05
Butene, cis-2-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	3.2E+01	1.6E+01	3.2E+03	1.6E+03	3.2E+05
Butene, trans-2-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	3.2E+01	1.6E+01	3.2E+03	1.6E+03	3.2E+05
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)								2.9E+05	1.5E+05	8.2E+03	3.6E+04		2.9E+05	1.5E+05	5.9E+00	2.9E+00	5.9E+02	2.9E+02	7.4E+07
Butyl acetate								1.1E+04	5.7E+03	1.1E+04			1.1E+04	5.7E+03	1.0E+01	5.1E+00	1.0E+03	5.1E+02	2.8E+05
Butyl acrylate										7.4E+02					1.0E+00	5.2E-01	1.0E+02	5.2E+01	
Butyl benzyl phthalate			3.2E+03	1.1E+04	4.6E+03					1.6E+04	7.1E+04	4.7E+04			2.6E+02	1.3E+02	2.6E+04	1.3E+04	
Butyl ether, n- (dibutyl ether)										8.2E+03					4.3E+01	2.2E+01	4.3E+03	2.2E+03	
Butyl methacrylate										7.4E+03					2.6E+01	1.3E+01	2.6E+03	1.3E+03	
Butylate										4.1E+03	1.8E+04				8.5E+00	4.3E+00	8.5E+02	4.3E+02	
Butylbenzene, n-										4.1E+03	1.8E+04				1.5E+02	7.6E+01	1.5E+04	7.6E+03	
Butylbenzene, sec-										3.3E+03					8.5E+01	4.2E+01	8.5E+03	4.2E+03	
Butylbenzene, tert-										3.3E+03					1.0E+02	5.0E+01	1.0E+04	5.0E+03	
Cacodylic acid										2.5E+02	1.1E+03				1.5E-01	7.4E-02	1.5E+01	7.4E+00	
Cadmium	1.3E+04	6.5E+03								2.6E+02	2.2E+03	6.8E+01			1.5E+00	7.5E-01	1.5E+02	7.5E+01	
Calcium*																			
Caprolactam										4.1E+04	1.8E+05				4.7E+01	2.3E+01	4.7E+03	2.3E+03	
Captan			1.7E+03	5.9E+03						1.1E+04	4.6E+04				6.7E+01	3.4E+01	6.7E+03	3.4E+03	
Carbaryl										8.2E+03	3.6E+04				2.8E+01	1.4E+01	2.8E+03	1.4E+03	
Carbazole			3.0E+02	1.0E+03											4.6E+00	2.3E+00	4.6E+02	2.3E+02	
Carbofuran										4.1E+02	1.8E+03				1.2E-01	6.2E-02	1.2E+01	6.2E+00	
Carbon disulfide								1.1E+04	5.5E+03	8.2E+03			1.1E+04	5.5E+03	1.4E+01	6.8E+00	1.4E+03	6.8E+02	2.7E+04
Carbon tetrachloride	6.0E+01	3.1E+01	8.7E+01			6.0E+01	3.1E+01	1.5E+03	7.9E+02	3.3E+02			1.5E+03	7.9E+02	6.2E-02	3.1E-02	6.2E+00	3.1E+00	2.4E+02
Carbophenothion										1.1E+03	4.6E+03	1.6E+04			1.5E+03	7.4E+02	1.5E+05	7.4E+04	
Carbosulfan										8.2E+02	3.6E+03	1.2E+03			2.5E+02	1.3E+02	2.5E+04	1.3E+04	

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Carboxin										8.2E+03	3.6E+04				8.7E+01	4.4E+01	8.7E+03	4.4E+03	
Chloral										8.2E+03					5.3E+00	2.7E+00	5.3E+02	2.7E+02	
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-										8.2E+03	3.6E+04				5.2E+00	2.6E+00	5.2E+02	2.6E+02	
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)										1.2E+03	5.3E+03				3.8E+00	1.9E+00	3.8E+02	1.9E+02	
Chlordane (technical)	1.2E+03	6.4E+02	1.7E+01	1.5E+02	9.7E+00	1.2E+03	6.4E+02	3.7E+03	1.9E+03	4.1E+01	4.4E+02	4.6E+01	3.7E+03	1.9E+03	9.6E+00	4.8E+00	9.6E+02	4.8E+02	3.7E+06
Chlordane, cis- (alpha chlordane)	4.0E+03	2.1E+03	1.7E+01	5.9E+01	3.0E+02	4.1E+03	2.1E+03	1.2E+04	6.2E+03	4.1E+01	1.8E+02	1.4E+03	1.2E+04	6.3E+03	7.4E+02	3.7E+02	7.4E+04	3.7E+04	4.4E+07
Chlordane, gamma	9.6E+02	5.0E+02	1.7E+01	5.9E+01	1.7E+01	9.7E+02	5.0E+02	2.9E+03	1.5E+03	4.1E+01	1.8E+02	7.8E+01	2.9E+03	1.5E+03	4.1E+01	2.1E+01	4.1E+03	2.1E+03	2.4E+06
Chlorfenvinphos								3.1E+01	1.6E+01	5.7E+01	2.5E+02	5.2E+01	3.1E+01	1.6E+01	9.1E-01	4.6E-01	9.1E+01	4.6E+01	
Chloride*																			
Chlorine								2.3E+00	1.2E+00	8.2E+03	7.1E+04		2.3E+00	1.2E+00					
Chloro-1,3-butadiene, 2-	1.2E+00	6.1E-01				1.2E+00	6.1E-01	3.1E+02	1.6E+02				3.1E+02	1.6E+02					2.6E+00
Chloro-2-propanol, 1-										1.6E+03					1.1E+00	5.3E-01	1.1E+02	5.3E+01	
Chloro-3-methylphenol, 4-										4.1E+02	1.8E+03				4.5E+00	2.3E+00	4.5E+02	2.3E+02	
Chloroaniline, p-			3.0E+01	1.0E+02						3.3E+02	1.4E+03				2.1E-02	1.0E-02	2.1E+00	1.0E+00	
Chlorobenzene								7.7E+02	3.9E+02	1.6E+03			7.7E+02	3.9E+02	1.1E+00	5.5E-01	1.1E+02	5.5E+01	1.3E+04
Chlorobenzilate	3.5E+02	1.8E+02	2.2E+01	7.7E+01		3.5E+02	1.8E+02			1.6E+03	7.1E+03				1.1E-01	5.7E-02	1.1E+01	5.7E+00	2.4E+05
Chlorobromomethane (bromochloromethane)										3.3E+03					3.0E+00	1.5E+00	3.0E+02	1.5E+02	
Chlorodifluoromethane								7.7E+05	3.9E+05				7.7E+05	3.9E+05					8.9E+05
Chloroethane (ethyl chloride)								1.5E+05	7.9E+04	3.3E+04			1.5E+05	7.9E+04	3.1E+01	1.5E+01	3.1E+03	1.5E+03	3.7E+05
Chloroethanol, 2-										3.3E+04					1.9E+01	9.7E+00	1.9E+03	9.7E+02	
Chloroethoxy ethene, 2- (2-chloroethylvinylether)			5.5E+00					4.6E+00	2.4E+00	1.6E+02			4.6E+00	2.4E+00	2.9E-03	1.4E-03	2.9E-01	1.4E-01	6.8E+01
Chloroform	1.6E+01	8.0E+00				1.6E+01	8.0E+00	1.5E+03	7.7E+02	8.2E+02			1.5E+03	7.7E+02	1.0E+00	5.1E-01	1.0E+02	5.1E+01	8.3E+01
Chlorohexane, 1-								1.5E+04	7.9E+03	3.3E+03			1.5E+04	7.9E+03	3.9E+01	2.0E+01	3.9E+03	2.0E+03	2.9E+05
Chloromethane (methyl chloride)	2.0E+02	1.0E+02	4.7E+02			2.0E+02	1.0E+02	1.4E+03	7.1E+02				1.4E+03	7.1E+02	4.1E-01	2.0E-01	4.1E+01	2.0E+01	2.1E+02
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)										6.6E+03	2.2E+04	5.2E+04			7.4E+02	3.7E+02	7.4E+04	3.7E+04	
Chloronaphthalene, 2- (chloronaphthalene, beta)										6.6E+03	2.2E+04				6.7E+02	3.3E+02	6.7E+04	3.3E+04	
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)			9.6E+02	3.3E+03				6.3E+01	3.2E+01	8.2E+01	3.6E+02		6.3E+01	3.2E+01	1.5E-01	7.6E-02	1.5E+01	7.6E+00	4.8E+03
Chlorophenol, 2-										4.1E+02					1.6E+00	8.2E-01	1.6E+02	8.2E+01	
Chlorophenol, 3-										4.1E+02	1.8E+03				7.8E-01	3.9E-01	7.8E+01	3.9E+01	
Chlorophenol, 4-										4.1E+02	1.8E+03				8.4E-01	4.2E-01	8.4E+01	4.2E+01	
Chlorophenyl phenylether, 4-	2.5E+00	1.3E+00	4.0E-01	1.4E+00	3.9E-01	2.5E+00	1.3E+00								3.2E-02	1.6E-02	3.2E+00	1.6E+00	6.5E+02
Chloropropane, 2-								1.5E+03	7.9E+02	2.5E+03			1.5E+03	7.9E+02	5.4E+00	2.7E+00	5.4E+02	2.7E+02	3.5E+03
Chlorothalonil			5.5E+02	1.9E+03						1.2E+03	5.3E+03				8.1E+00	4.1E+00	8.1E+02	4.1E+02	
Chlorotoluene, o- (2-chlorotoluene)								1.3E+04	6.8E+03	1.6E+03	7.1E+03		1.3E+04	6.8E+03	9.1E+00	4.5E+00	9.1E+02	4.5E+02	4.4E+05
Chlorotoluene, p- (4-chlorotoluene)										1.6E+03					1.1E+01	5.4E+00	1.1E+03	5.4E+02	
Chlorpyrifos										2.5E+02	1.1E+03	3.6E+02			1.5E+01	7.4E+00	1.5E+03	7.4E+02	
Chromium (III)								1.4E+05	7.0E+04	1.2E+05	6.9E+04	1.4E+06			2.4E+03	1.2E+03	2.4E+05	1.2E+05	
Chromium (total)								1.4E+05	7.0E+04	1.2E+05	6.9E+04	1.4E+06			2.4E+03	1.2E+03	2.4E+05	1.2E+05	
Chromium (VI)	1.9E+03	9.7E+02						9.7E+04	5.0E+04	2.5E+02	2.7E+02	2.8E+03			2.8E+01	1.4E+01	2.8E+03	1.4E+03	
Chrysene	5.8E+05	3.0E+05	8.3E+02	2.2E+03	8.1E+03	5.9E+05	3.0E+05								1.5E+03	7.7E+02	1.5E+05	7.7E+04	7.2E+09
Cobalt	2.5E+03	1.3E+03						5.8E+03	3.0E+03	2.5E+01	1.1E+03	1.5E+02			6.6E+00	3.3E+00	6.6E+02	3.3E+02	
Copolymer acrylamide										1.6E+01	7.1E+01				9.4E-03	4.7E-03	9.4E-01	4.7E-01	
Copper										3.3E+03	1.4E+05	6.6E+02			1.0E+03	5.2E+02	1.0E+05	5.2E+04	
Coronene										1.6E+02	7.1E+02	7.6E+03			5.6E+04	2.8E+04	5.6E+06	2.8E+06	
Coumaphos										5.7E+02	2.5E+03	5.3E+03			1.1E+02	5.5E+01	1.1E+04	5.5E+03	
Cresol										4.1E+03	1.8E+04				6.6E+00	3.3E+00	6.6E+02	3.3E+02	
Cresol, m- (3-methylphenol)										4.1E+03	1.8E+04				6.6E+00	3.3E+00	6.6E+02	3.3E+02	
Cresol, o- (2-methylphenol)										4.1E+03	1.8E+04				7.1E+00	3.6E+00	7.1E+02	3.6E+02	
Cresol, p- (4-methylphenol)										4.1E+02	1.8E+03				6.3E-01	3.2E-01	6.3E+01	3.2E+01	
Crotonaldehyde			3.2E+00							8.2E+01					9.5E-04	4.8E-04	9.5E-02	4.8E-02	
Cumene (isopropylbenzene)								9.2E+03	4.8E+03	8.2E+03			9.2E+03	4.8E+03	3.5E+02	1.7E+02	3.5E+04	1.7E+04	6.2E+05
Cyanazine			7.2E+00	2.5E+01						1.6E+02	7.1E+02				4.2E-03	2.1E-03	4.2E-01	2.1E-01	
Cyanide								7.7E+05	4.0E+05	4.9E+01	2.1E+03				4.0E+01	2.0E+01	4.0E+03	2.0E+03	
Cyanogen								1.2E+01	6.3E+00	8.2E+01			1.2E+01	6.3E+00	6.1E-02	3.0E-02	6.1E+00	3.0E+00	1.8E+01
Cycloate										4.5E+03	2.0E+04				1.5E+02	7.6E+01	1.5E+04	7.6E+03	
Cyclohexane								9.2E+04	4.7E+04	4.1E+05			9.2E+04	4.7E+04	5.9E+03	2.9E+03	5.9E+05	2.9E+05	2.9E+05
Cyclohexanol										4.1E+05	1.8E+06				2.9E+02	1.5E+02	2.9E+04	1.5E+04	
Cyclohexanone								3.5E+04	1.8E+04	4.1E+05			3.5E+04	1.8E+04	2.6E+02	1.3E+02	2.6E+04	1.3E+04	3.0E+06
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)								5.1E+03	2.6E+03	1.8E+03			5.1E+03	2.6E+03	3.1E+01	1.5E+01	3.1E+03	1.5E+03	6.2E+04
Cyclohexene-1-methanol, 3-										1.6E+03					3.8E+00	1.9E+00	3.8E+02	1.9E+02	
Cyclopentane								3.7E+05	1.9E+05	4.9E+03			3.7E+05	1.9E+05	2.8E+01	1.4E+01	2.8E+03	1.4E+03	7.0E+05

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Cyclopentane, methyl-								1.5E+04	7.9E+03	8.2E+03			1.5E+04	7.9E+03	1.4E+02	6.8E+01	1.4E+04	6.8E+03	3.8E+04
Cyclopentene										4.1E+05					1.1E+03	5.3E+02	1.1E+05	5.3E+04	
Cyclotetramethylenetetranitramine (HMX)										4.1E+03	2.7E+03				2.3E+00	1.2E+00	2.3E+02	1.2E+02	
Cyclotrimethylenetrinitramine (RDX)			5.5E+01	1.9E+02						2.5E+02	1.1E+03				3.7E-02	1.8E-02	3.7E+00	1.8E+00	
Cymene (isopropyltoluene)										8.2E+03					2.3E+02	1.2E+02	2.3E+04	1.2E+04	
Cymoxanil										1.1E+03	4.6E+03				6.1E-01	3.0E-01	6.1E+01	3.0E+01	
Dacthal (DCPA)										8.2E+02	3.6E+03	1.0E+04			4.5E+02	2.3E+02	4.5E+04	2.3E+04	
Dalapon, sodium salt (2,2-dichloropropanoic acid)										2.5E+03	1.1E+04				5.8E-01	2.9E-01	5.8E+01	2.9E+01	
DDD			2.5E+01	2.9E+02	3.7E+01										1.3E+01	6.5E+00	1.3E+03	6.5E+02	
DDE			1.8E+01	2.0E+02	2.7E+01										1.2E+01	5.9E+00	1.2E+03	5.9E+02	
DDT	1.2E+03	6.2E+02	1.8E+01	2.0E+02	8.1E+00	1.2E+03	6.2E+02			4.1E+01	5.9E+02	3.7E+01			1.5E+01	7.4E+00	1.5E+03	7.4E+02	3.4E+06
Demeton										3.3E+00	1.4E+01				1.2E-02	6.2E-03	1.2E+00	6.2E-01	
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)										3.3E+03	1.4E+04				1.9E+00	9.7E-01	1.9E+02	9.7E+01	
Diallate			1.0E+02	3.4E+02	7.6E+01										1.2E+00	5.8E-01	1.2E+02	5.8E+01	
Diazinon								6.5E+01	3.3E+01	7.4E+01	3.2E+02		6.5E+01	3.3E+01	1.6E-01	7.9E-02	1.6E+01	7.9E+00	2.9E+04
Dibenz(a,h)acridine	1.4E+04	7.4E+03	5.1E+00	1.7E+01	6.6E+01	1.5E+04	7.9E+03								5.8E+01	2.9E+01	5.8E+03	2.9E+03	6.2E+08
Dibenz(a,j)acridine	1.9E+04	1.0E+04	8.3E+00	2.2E+01	1.4E+02	2.1E+04	1.1E+04								1.1E+02	5.6E+01	1.1E+04	5.6E+03	9.1E+08
Dibenz-a,h-anthracene	1.8E+03	9.4E+02	8.3E-01	2.2E+00	6.3E+00	2.0E+03	1.0E+03								1.5E+01	7.6E+00	1.5E+03	7.6E+02	7.9E+07
Dibenzo(a,e)pyrene	5.6E+03	2.9E+03	8.3E-01	2.8E+00	1.1E+01	7.2E+03	3.7E+03								1.3E+02	6.5E+01	1.3E+04	6.5E+03	1.1E+09
Dibenzo(a,h)pyrene	5.5E+02	2.8E+02	8.3E-02	2.8E-01	1.1E+00	7.0E+02	3.6E+02								1.2E+01	6.0E+00	1.2E+03	6.0E+02	1.0E+08
Dibenzo(a,i)pyrene	5.5E+02	2.8E+02	8.3E-02	2.8E-01	1.1E+00	7.0E+02	3.6E+02								1.2E+01	6.0E+00	1.2E+03	6.0E+02	1.0E+08
Dibenzofuran										3.3E+02	1.4E+03				3.3E+01	1.7E+01	3.3E+03	1.7E+03	
Dibenzothiophene										2.5E+02	1.1E+03	2.6E+03			1.0E+02	5.0E+01	1.0E+04	5.0E+03	
Dibromo-3-chloropropane, 1,2-	1.6E-01	8.1E-02	7.6E+00	2.6E+01		1.6E-01	8.1E-02	8.1E+00	4.2E+00	1.6E+01	7.1E+01		8.1E+00	4.2E+00	1.7E-03	8.7E-04	1.7E-01	8.7E-02	5.4E+00
Dibromochloromethane (chlorodibromomethane)			7.2E+01							1.6E+03					4.9E-02	2.5E-02	4.9E+00	2.5E+00	
Dibromofluoromethane										1.6E+04					1.6E+01	7.8E+00	1.6E+03	7.8E+02	
Dicamba										2.5E+03	1.1E+04				1.5E+00	7.3E-01	1.5E+02	7.3E+01	
Dichlormid										2.0E+03	8.9E+03				2.6E+00	1.3E+00	2.6E+02	1.3E+02	
Dichloro-2-butene, 1,4-	2.0E-01	1.0E-01				2.0E-01	1.0E-01												6.2E+00
Dichloro-2-butene, 1,4- trans	2.0E-01	1.1E-01				2.0E-01	1.1E-01												6.6E+00
Dichlorobenzene, 1,2-								8.0E+02	4.1E+02	7.4E+03			8.0E+02	4.1E+02	1.8E+01	8.9E+00	1.8E+03	8.9E+02	3.5E+04
Dichlorobenzene, 1,3-								1.2E+02	6.3E+01	2.5E+03			1.2E+02	6.3E+01	6.7E+00	3.4E+00	6.7E+02	3.4E+02	1.7E+03
Dichlorobenzene, 1,4-			2.5E+02					2.4E+03	1.3E+03				2.4E+03	1.3E+03	2.1E+00	1.1E+00	2.1E+02	1.1E+02	1.0E+05
Dichlorobenzidine, 3,3-			1.3E+01	4.6E+01											6.3E-02	3.1E-02	6.3E+00	3.1E+00	
Dichlorobutane, 2,3-								1.1E+02	5.5E+01	8.2E+02			1.1E+02	5.5E+01	2.6E+00	1.3E+00	2.6E+02	1.3E+02	1.5E+03
Dichlorodifluoromethane								1.5E+03	7.9E+02	1.6E+04			1.5E+03	7.9E+02	2.4E+02	1.2E+02	2.4E+04	1.2E+04	2.9E+03
Dichloroethane, 1,1-								3.7E+04	1.9E+04	1.6E+04			3.7E+04	1.9E+04	1.8E+01	9.2E+00	1.8E+03	9.2E+02	1.6E+05
Dichloroethane, 1,2-	1.4E+01	7.1E+00	6.7E+01			1.4E+01	7.1E+00	1.1E+02	5.5E+01	4.9E+02			1.1E+02	5.5E+01	1.4E-02	6.9E-03	1.4E+00	6.9E-01	9.1E+01
Dichloroethylene, 1,1-								5.2E+03	2.7E+03	4.1E+03			5.2E+03	2.7E+03	5.0E-02	2.5E-02	5.0E+00	2.5E+00	1.2E+04
Dichloroethylene, cis-1,2-								9.2E+02	4.7E+02	1.6E+02			9.2E+02	4.7E+02	2.5E-01	1.2E-01	2.5E+01	1.2E+01	4.4E+03
Dichloroethylene, trans-1,2								9.2E+02	4.7E+02	1.6E+03			9.2E+02	4.7E+02	4.9E-01	2.5E-01	4.9E+01	2.5E+01	3.8E+03
Dichlorofluoromethane										1.6E+04					1.4E+01	7.1E+00	1.4E+03	7.1E+02	
Dichlorophenol, 2,3-										2.5E+02	1.1E+03				5.4E-01	2.7E-01	5.4E+01	2.7E+01	
Dichlorophenol, 2,4-										2.5E+02	1.1E+03				3.5E-01	1.8E-01	3.5E+01	1.8E+01	
Dichlorophenol, 2,5-										2.5E+02	1.1E+03				5.0E-01	2.5E-01	5.0E+01	2.5E+01	
Dichlorophenol, 2,6-										8.2E+01	3.6E+02				6.9E-02	3.4E-02	6.9E+00	3.4E+00	
Dichlorophenol, 3,4-										2.5E+02	1.1E+03				2.0E+00	1.0E+00	2.0E+02	1.0E+02	
Dichlorophenol, 3,5-										2.5E+02	1.1E+03				1.3E+00	6.6E-01	1.3E+02	6.6E+01	
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)										6.6E+02	2.8E+03				3.9E-01	1.9E-01	3.9E+01	1.9E+01	
Dichlorophenoxyacetic acid, 2,4- (2,4-D)										8.2E+02	7.1E+03				2.6E+00	1.3E+00	2.6E+02	1.3E+02	
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)										8.2E+02	3.6E+03				4.7E-01	2.3E-01	4.7E+01	2.3E+01	
Dichloropropane, 1,2-			8.9E+01					6.1E+01	3.2E+01	7.4E+03			6.1E+01	3.2E+01	2.3E-02	1.1E-02	2.3E+00	1.1E+00	5.3E+02
Dichloropropane, 1,3-	9.0E+01	4.6E+01	6.1E+01			9.0E+01	4.6E+01	3.1E+02	1.6E+02	1.6E+03			3.1E+02	1.6E+02	6.4E-02	3.2E-02	6.4E+00	3.2E+00	1.8E+03
Dichloropropane, 2,2-			8.9E+01					6.1E+01	3.2E+01	7.4E+03			6.1E+01	3.2E+01	1.2E-01	6.0E-02	1.2E+01	6.0E+00	5.1E+02
Dichloropropanol, 2,3-										2.5E+02	1.1E+03				2.4E-01	1.2E-01	2.4E+01	1.2E+01	
Dichloropropene, 1,1-	9.0E+01	4.6E+01	6.1E+01			9.0E+01	4.6E+01	3.1E+02	1.6E+02	2.5E+03			3.1E+02	1.6E+02	1.3E-01	6.7E-02	1.3E+01	6.7E+00	2.8E+02
Dichloropropene, 1,3- (mixed isomers)	9.0E+01	4.6E+01	6.1E+01			9.0E+01	4.6E+01	3.1E+02	1.6E+02	2.5E+03			3.1E+02	1.6E+02	3.9E-02	2.0E-02	3.9E+00	2.0E+00	7.7E+02
Dichloropropene, cis 1,3-			1.1E+01					3.1E+02	1.6E+02	8.2E+00			3.1E+02	1.6E+02	6.6E-03	3.3E-03	6.6E-01	3.3E-01	2.7E+03
Dichloropropene, trans 1,3-	9.0E+01	4.6E+01	6.1E+01			9.0E+01	4.6E+01	3.1E+02	1.6E+02	2.5E+03			3.1E+02	1.6E+02	3.6E-02	1.8E-02	3.6E+00	1.8E+00	7.5E+02
Dichlorvos			2.1E+01	7.2E+01				3.4E+05	1.8E+05	4.1E+01	1.8E+02		1.2E+06	6.2E+05	4.9E+05	2.4E+05	4.9E+07	2.4E+07	1.6E+12
Dicrotophos (bidrin)										8.2E+00	3.6E+01				4.7E-03	2.3E-03	4.7E-01	2.3E-01	
Dicyclopentadiene								6.8E+06	3.5E+06	6.6E+02									

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Dieldrin	3.2E+01	1.6E+01	3.8E-01	1.3E+00	2.9E-01	3.2E+01	1.6E+01			4.1E+00	1.8E+01	6.3E+00			4.9E-02	2.4E-02	4.9E+00	2.4E+00	1.1E+05
Diethanolamine										4.1E+01	1.8E+02				2.3E-02	1.2E-02	2.3E+00	1.2E+00	
Diethyl phthalate										6.6E+04	2.8E+05				1.6E+02	7.8E+01	1.6E+04	7.8E+03	
Diethylene glycol										1.6E+05	7.1E+05				9.4E+01	4.7E+01	9.4E+03	4.7E+03	
Diethylene glycol monobutyl ether								2.0E+01	1.0E+01	2.5E+03	1.1E+04		2.0E+01	1.0E+01	1.6E+00	7.8E-01	1.6E+02	7.8E+01	6.9E+03
Diethylhexyl adipate			5.1E+03	1.7E+04						4.9E+04	2.1E+05				6.1E+03	3.0E+03	6.1E+05	3.0E+05	
Diethylstilbestrol			1.3E-03	4.4E-03	2.5E-03										5.8E-04	2.9E-04	5.8E-02	2.9E-02	
Diisobutylene (trimethyl-1-pentene, 2,4,4-)								3.1E+03	1.6E+03	4.9E+03			3.1E+03	1.6E+03	6.1E+02	3.0E+02	6.1E+04	3.0E+04	9.5E+03
Diisopropylbenzene, p-										8.2E+02					9.5E+01	4.7E+01	9.5E+03	4.7E+03	
Diisopropyl ether (2,2'-oxybis-propane)								1.1E+04	5.5E+03	8.2E+03			1.1E+04	5.5E+03	1.2E+01	6.0E+00	1.2E+03	6.0E+02	9.6E+04
Dimethenamid										1.2E+03	5.3E+03				1.0E+00	5.2E-01	1.0E+02	5.2E+01	
Dimethoate										1.6E+01	7.1E+01				1.0E-02	5.1E-03	1.0E+00	5.1E-01	
Dimethoxybenzidine, 3,3'-			4.3E+02	1.5E+03											2.8E-01	1.4E-01	2.8E+01	1.4E+01	
Dimethylphenethylamine, alpha, alpha-										1.6E+02	7.1E+02				3.8E-01	1.9E-01	3.8E+01	1.9E+01	
Dimethyl phenol, 2,4-										1.6E+03	7.1E+03				3.2E+00	1.6E+00	3.2E+02	1.6E+02	
Dimethylaminoazobenzene, p-										8.2E-01	3.6E+00	1.5E+01			1.1E+00	5.6E-01	1.1E+02	5.6E+01	
Dimethylbenz-a-anthracene, 7,12-	1.2E+02	6.3E+01	2.4E-02	6.4E-02	3.7E-01	1.4E+02	7.3E+01								1.2E+00	6.2E-01	1.2E+02	6.2E+01	1.1E+07
Dimethylbenzidine, 3,3'-			5.5E-01	1.9E+00											8.2E-04	4.1E-04	8.2E-02	4.1E-02	
Dimethylnaphthalene, 1,3-										3.3E+03	1.1E+04	3.1E+04			7.9E+02	3.9E+02	7.9E+04	3.9E+04	
Dimethylphthalate										6.6E+04	2.8E+05				6.2E+01	3.1E+01	6.2E+03	3.1E+03	
Di-n-butyl phthalate										8.2E+03	3.6E+04	8.7E+04			3.3E+03	1.7E+03	3.3E+05	1.7E+05	
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)										8.2E+00	3.6E+01				4.7E-03	2.3E-03	4.7E-01	2.3E-01	
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)										8.2E+00	3.6E+01				7.6E-03	3.8E-03	7.6E-01	3.8E-01	
Dinitrobenzene, 1,4-										8.2E+00	3.6E+01				7.2E-03	3.6E-03	7.2E-01	3.6E-01	
Dinitrophenol, 2,4-										1.6E+02	7.1E+02				9.4E-02	4.7E-02	9.4E+00	4.7E+00	
Dinitrophenol, 2,5-										1.6E+02	7.1E+02				9.6E-02	4.8E-02	9.6E+00	4.8E+00	
Dinitrotoluene, 2,4-			8.9E+00	3.1E+01						1.6E+02	7.1E+02				5.3E-03	2.7E-03	5.3E-01	2.7E-01	
Dinitrotoluene, 2,6-			8.9E+00	3.1E+01						8.2E+01	3.6E+02				4.8E-03	2.4E-03	4.8E-01	2.4E-01	
Di-n-octyl phthalate										3.3E+03	1.4E+04	8.1E+04			3.3E+06	1.6E+06	3.3E+08	1.6E+08	
Dinoseb										8.2E+01	3.6E+02				3.5E-01	1.8E-01	3.5E+01	1.8E+01	
Dioxane 1,4-			6.1E+01					1.4E+05	7.1E+04	2.5E+03			1.4E+05	7.1E+04	1.8E-02	8.8E-03	1.8E+00	8.8E-01	1.2E+07
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)										1.0E-03					1.7E-02	8.5E-03	1.7E+00	8.5E-01	
Diphenyl ether										5.1E+02	2.2E+03	4.5E+03			9.2E+01	4.6E+01	9.2E+03	4.6E+03	
Diphenylamine										2.0E+03	8.9E+03				9.6E+00	4.8E+00	9.6E+02	4.8E+02	
Diphenylhydrazine, 1,2-	1.4E+02	7.2E+01	7.6E+00	2.6E+01		1.4E+02	7.2E+01								3.2E-02	1.6E-02	3.2E+00	1.6E+00	1.1E+05
Dipropylene glycol										9.8E+03	4.3E+04				5.7E+00	2.8E+00	5.7E+02	2.8E+02	
Diquat										1.8E+02	7.8E+02				2.0E-01	1.0E-01	2.0E+01	1.0E+01	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)										8.2E+02	3.6E+03				4.7E-01	2.3E-01	4.7E+01	2.3E+01	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)										8.2E+02	3.6E+03				4.7E-01	2.3E-01	4.7E+01	2.3E+01	
Disulfoton										3.3E+00	1.4E+01				3.5E-01	1.8E-01	3.5E+01	1.8E+01	
Diuron										1.6E+02	7.1E+02				9.3E-01	4.6E-01	9.3E+01	4.6E+01	
Dodecylphenol, 4-										4.1E+03	1.8E+04	3.9E+05			1.2E+07	6.1E+06	1.2E+09	6.1E+08	
Dodecylphenol, 4-										4.1E+03	1.8E+04	3.9E+05			1.2E+07	6.1E+06	1.2E+09	6.1E+08	
Endosulfan										4.9E+02	2.1E+03				4.6E+00	2.3E+00	4.6E+02	2.3E+02	
Endosulfan I										1.6E+02	7.1E+02	2.9E+02			3.1E+01	1.5E+01	3.1E+03	1.5E+03	
Endosulfan II										4.9E+02	2.1E+03	8.6E+02			9.2E+01	4.6E+01	9.2E+03	4.6E+03	
Endosulfan sulfate										4.9E+02	2.1E+03	1.0E+04			4.7E+03	2.3E+03	4.7E+05	2.3E+05	
Endothall										1.6E+03	7.1E+03				5.3E-01	2.7E-01	5.3E+01	2.7E+01	
Endrin										2.5E+01	1.1E+02	1.6E+01			7.5E-01	3.8E-01	7.5E+01	3.8E+01	
Endrin aldehyde										2.5E+01	1.1E+02	6.5E+02			6.3E+02	3.1E+02	6.3E+04	3.1E+04	
Endrin ketone										2.5E+01	1.1E+02	3.8E+02			5.1E+01	2.5E+01	5.1E+03	2.5E+03	
Epichlorohydrin	5.1E+02	2.6E+02	6.1E+02			5.1E+02	2.6E+02	2.6E+01	1.4E+01	4.9E+02			2.6E+01	1.4E+01	1.8E-01	9.2E-02	1.8E+01	9.2E+00	1.4E+03
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)										8.2E-01	3.6E+00				5.5E-02	2.7E-02	5.5E+00	2.7E+00	
Esfenvalerate										1.6E+02	7.1E+02	1.7E+02			1.2E+02	6.2E+01	1.2E+04	6.2E+03	
Ethalfluralin (sonolan)			6.8E+01	2.3E+02	4.5E+02					3.3E+03	1.4E+04	4.3E+04			2.5E+01	1.2E+01	2.5E+03	1.2E+03	
Ethanol										2.7E+06					1.6E+03	7.9E+02	1.6E+05	7.9E+04	
Ethanol, 2-amino-										1.4E+02					8.0E-02	4.0E-02	8.0E+00	4.0E+00	
Ethanol, 2-(2-aminoethoxy)-										4.1E+01					2.3E-02	1.2E-02	2.3E+00	1.2E+00	
Ethanol, 2-(2-ethoxyethoxy)-										1.6E+05					1.6E+02	8.2E+01	1.6E+04	8.2E+03	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Ethanol, 2-(methylamino)-								6.4E+03	3.3E+03	1.3E+03			6.4E+03	3.3E+03	7.5E-01	3.8E-01	7.5E+01	3.8E+01	2.0E+06
Ethion										4.1E+01	1.8E+02	1.6E+02			7.6E+00	3.8E+00	7.6E+02	3.8E+02	
Ethoprop			2.2E+02	7.4E+02						8.2E+00	3.6E+01				1.2E-01	6.2E-02	1.2E+01	6.2E+00	
Ethoxy ethanol, 2-								3.1E+03	1.6E+03	3.3E+04			3.1E+03	1.6E+03	7.1E+01	3.6E+01	7.1E+03	3.6E+03	3.6E+03
Ethyl acetate										7.4E+04					4.7E+01	2.4E+01	4.7E+03	2.4E+03	
Ethyl acrylate			1.3E+02												1.2E-01	5.9E-02	1.2E+01	5.9E+00	
Ethyl benzene								2.9E+04	1.5E+04	8.2E+03			2.9E+04	1.5E+04	7.6E+00	3.8E+00	7.6E+02	3.8E+02	3.2E+05
Ethyl dipropylthiocarbamate, S-										2.0E+03	8.9E+03				7.0E+00	3.5E+00	7.0E+02	3.5E+02	
Ethyl ether										1.6E+04					1.1E+01	5.6E+00	1.1E+03	5.6E+02	
Ethyl methacrylate								7.1E+03	3.6E+03	7.4E+03			7.1E+03	3.6E+03	7.5E+00	3.8E+00	7.5E+02	3.8E+02	1.9E+05
Ethyl methanesulfonate	1.2E+02	6.1E+01	6.1E+01	2.1E+02		1.2E+02	6.1E+01								1.8E-02	8.9E-03	1.8E+00	8.9E-01	3.6E+04
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)								4.6E+03	2.4E+03	8.2E+01			4.6E+03	2.4E+03	8.9E-02	4.5E-02	8.9E+00	4.5E+00	4.0E+04
Ethyl-1-hexanol, 2-										1.2E+04	5.3E+04				7.6E+01	3.8E+01	7.6E+03	3.8E+03	
Ethyl-2-hexenal, 2-										1.2E+04					2.8E+01	1.4E+01	2.8E+03	1.4E+03	
Ethyl-2-methyl benzene, 1-								8.4E+03	4.3E+03	4.1E+03			8.4E+03	4.3E+03	5.6E+01	2.8E+01	5.6E+03	2.8E+03	4.2E+05
Ethyl-4-methyl benzene, 1-								7.2E+03	3.7E+03	4.1E+03			7.2E+03	3.7E+03	6.0E+01	3.0E+01	6.0E+03	3.0E+03	3.4E+05
Ethylene*																			
Ethylene dibromide (dibromoethane, 1,2-)	9.7E-01	5.0E-01	3.0E+00			9.7E-01	5.0E-01	2.2E+02	1.2E+02	7.4E+02			2.2E+02	1.2E+02	2.1E-04	1.0E-04	2.1E-02	1.0E-02	2.3E+01
Ethylene glycol										1.6E+05	7.1E+05				9.4E+01	4.7E+01	9.4E+03	4.7E+03	
Ethylene oxide	3.6E+00	1.8E+00	6.0E+00			3.6E+00	1.8E+00								1.8E-03	9.0E-04	1.8E-01	9.0E-02	8.4E+01
Ethylene thiourea			5.5E+01	1.9E+02						6.6E+00	2.8E+01				3.8E-03	1.9E-03	3.8E-01	1.9E-01	
Ethylenediamine										7.4E+03					4.6E+00	2.3E+00	4.6E+02	2.3E+02	
Ethylenimine	1.3E-01	6.8E-02	9.3E-02			1.3E-01	6.8E-02								2.8E-05	1.4E-05	2.8E-03	1.4E-03	2.8E+01
Ethylhexyl acrylate, 2-			1.3E+02	4.3E+02											7.7E+00	3.8E+00	7.7E+02	3.8E+02	
Famphur										2.5E+00	1.1E+01				1.8E-03	9.1E-04	1.8E-01	9.1E-02	
Fensulfothion										8.2E+01	3.6E+02				3.5E-01	1.8E-01	3.5E+01	1.8E+01	
Fenthion										5.7E+00	2.5E+01				7.9E-02	3.9E-02	7.9E+00	3.9E+00	
Fluoranthene										3.3E+03	1.1E+04	2.9E+04			1.9E+03	9.6E+02	1.9E+05	9.6E+04	
Fluorene										3.3E+03	1.1E+04	2.2E+04			3.0E+02	1.5E+02	3.0E+04	1.5E+04	
Fluorine (soluble fluoride)								2.6E+07	1.3E+07	4.9E+03	2.1E+05								
Fluorochloridone										6.1E+02	2.7E+03				4.0E+00	2.0E+00	4.0E+02	2.0E+02	
Fonofos										1.6E+02	7.1E+02				7.1E+00	3.6E+00	7.1E+02	3.6E+02	
Formaldehyde								9.9E+02	5.1E+02	1.6E+04			9.9E+02	5.1E+02	9.8E+00	4.9E+00	9.8E+02	4.9E+02	1.7E+05
Formic acid								2.1E+02	1.1E+02	7.4E+04			2.1E+02	1.1E+02	4.2E+01	2.1E+01	4.2E+03	2.1E+03	3.4E+04
Furan										8.2E+01					8.1E-02	4.1E-02	8.1E+00	4.1E+00	
Furfural										2.5E+02					1.5E-01	7.4E-02	1.5E+01	7.4E+00	
Glycidylaldehyde								1.5E+02	7.7E+01	3.3E+01			1.5E+02	7.7E+01	2.2E-02	1.1E-02	2.2E+00	1.1E+00	3.3E+04
Glyphosate										8.2E+03	3.6E+04				2.9E+01	1.5E+01	2.9E+03	1.5E+03	
Heptachlor	9.1E+00	4.7E+00	1.3E+00	4.6E+00	1.5E-01	9.1E+00	4.7E+00			4.1E+01	1.8E+02	9.0E+00			1.9E-01	9.4E-02	1.9E+01	9.4E+00	3.0E+03
Heptachlor epoxide	2.4E+01	1.2E+01	6.7E-01	2.3E+00	4.5E-01	2.4E+01	1.2E+01			1.1E+00	4.6E+00	1.4E+00			5.8E-02	2.9E-02	5.8E+00	2.9E+00	3.5E+04
Heptane, n-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	7.2E+02	3.6E+02	7.2E+04	3.6E+04	8.5E+05
Heptanoic acid, n-								1.2E+02	6.3E+01	4.1E+04	1.8E+05		1.2E+02	6.3E+01	2.4E+01	1.2E+01	2.4E+03	1.2E+03	3.2E+04
Hexachlorobenzene	1.9E+01	9.8E+00	3.8E+00	1.3E+01	1.9E+00	1.9E+01	9.8E+00			6.6E+01	2.8E+02	6.4E+01			1.1E+00	5.6E-01	1.1E+02	5.6E+01	6.4E+03
Hexachlorobutadiene	2.9E+01	1.5E+01	7.8E+01	2.7E+02		2.9E+01	1.5E+01			8.2E+01	3.6E+02				3.3E+00	1.6E+00	3.3E+02	1.6E+02	2.5E+03
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E+01	7.2E+00	9.6E-01	8.2E+00	3.7E-01	1.4E+01	7.2E+00			6.6E+02	7.1E+03	5.0E+02			7.9E-03	4.0E-03	7.9E-01	4.0E-01	8.4E+03
Hexachlorocyclohexane, beta (beta-BHC)	7.2E+01	3.7E+01	3.4E+00	2.9E+01	1.4E+00	7.2E+01	3.7E+01								2.9E-02	1.4E-02	2.9E+00	1.4E+00	6.6E+04
Hexachlorocyclohexane, delta (delta-BHC)	1.0E+02	5.2E+01	3.4E+00	2.9E+01		1.0E+02	5.2E+01			2.5E+01	2.7E+02				1.7E-01	8.7E-02	1.7E+01	8.7E+00	1.2E+05
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)			4.7E+00	4.0E+01	1.5E+00					2.5E+01	2.7E+02	1.6E+01			9.2E-03	4.6E-03	9.2E-01	4.6E-01	
Hexachlorocyclohexane, techn (technical-BHC)	8.9E+01	4.6E+01	3.4E+00	2.9E+01	2.4E+00	8.9E+01	4.6E+01								5.0E-02	2.5E-02	5.0E+00	2.5E+00	9.7E+04
Hexachlorocyclopentadiene								1.4E+01	7.3E+00	4.9E+02	2.1E+03		1.4E+01	7.3E+00	1.9E+01	9.6E+00	1.9E+03	9.6E+02	2.1E+03
Hexachloroethane			1.5E+02	5.2E+02				4.9E+03	2.5E+03	5.7E+01	2.5E+02		5.0E+03	2.5E+03	1.3E+00	6.4E-01	1.3E+02	6.4E+01	5.5E+05
Hexachlorophene										2.5E+01	1.1E+02	2.6E+03			5.9E+03	2.9E+03	5.9E+05	2.9E+05	
Hexachloropropylene	9.9E+02	5.1E+02	4.3E+02	1.5E+03		9.9E+02	5.1E+02			8.2E+01	3.6E+02				1.0E+01	5.2E+00	1.0E+03	5.2E+02	1.8E+05
Hexanal, 2-ethyl-										1.2E+04	5.3E+04				2.6E+01	1.3E+01	2.6E+03	1.3E+03	
Hexane, n-								1.0E+04	5.3E+03	4.9E+03			1.0E+04	5.3E+03	2.0E+02	1.0E+02	2.0E+04	1.0E+04	5.3E+03
Hexanediamine, 1,6-										4.1E+02					2.5E-01	1.2E-01	2.5E+01	1.2E+01	
Hexanedinitrile								9.8E+02	5.1E+02	1.1E+02			9.8E+02	5.1E+02	6.8E-02	3.4E-02	6.8E+00	3.4E+00	3.2E+05
Hexanediol, 1,6-								3.4E+06	1.7E+06	4.1E+05	1.8E+06		3.4E+06	1.7E+06	2.6E+02	1.3E+02	2.6E+04	1.3E+04	1.0E+09
Hexanoic acid								1.4E+02	7.0E+01	5.2E+03	2.3E+04		1.4E+02	7.0E+01	3.0E+00	1.5E+00	3.0E+02	1.5E+02	4.0E+04
Hexanone, 2-								8.3E+02	4.2E+02	4.1E+02			8.3E+02	4.2E+02	3.2E-01	1.6E-01	3.2E+01	1.6E+01	3.0E+04
Hexazinone										2.7E+03	1.2E+04				2.7E+00	1.4E+00	2.7E+02	1.4E+02	
Hexene, 1-								1.7E+03	8.7E+02	2.7E+04			1.7E+03	8.7E+02	7.4E+02	3.7E+02	7.4E+04	3.7E+04	3.1E+03

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Hexene, cis-2-								1.7E+03	8.7E+02	2.7E+04			1.7E+03	8.7E+02	6.2E+02	3.1E+02	6.2E+04	3.1E+04	3.7E+03
Hexylene glycol (2-methyl-2,4-pentanediol)										2.5E+04	1.1E+05				1.5E+01	7.4E+00	1.5E+03	7.4E+02	
Hydrazine	4.6E-01	2.4E-01	2.0E+00			4.6E-01	2.4E-01	2.9E+00	1.5E+00				2.9E+00	1.5E+00	5.8E-04	2.9E-04	5.8E-02	2.9E-02	9.8E+01
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)								1.6E+02	8.3E+01	5.2E+03	2.3E+04		1.6E+02	8.3E+01	3.0E+00	1.5E+00	3.0E+02	1.5E+02	5.6E+04
Hydrogen chloride (hydrochloric acid)*																			
Hydroquinone			1.0E+02	3.5E+02						3.3E+03	1.4E+04				3.1E-02	1.6E-02	3.1E+00	1.6E+00	
Indene								1.1E+02	5.8E+01	1.6E+03			1.1E+02	5.8E+01	7.1E+00	3.6E+00	7.1E+02	3.6E+02	4.0E+03
Indeno-1,2,3-cd-pyrene	2.3E+04	1.2E+04	8.3E+00	2.2E+01	1.1E+02	2.5E+04	1.3E+04								1.7E+02	8.7E+01	1.7E+04	8.7E+03	1.3E+09
Iron*																			
Isoamyl alcohol										4.1E+02					3.2E-01	1.6E-01	3.2E+01	1.6E+01	
Isobutyl alcohol										2.5E+04					1.6E+01	7.9E+00	1.6E+03	7.9E+02	
Isobutylene (2-methyl-1-propene)								1.7E+06	8.7E+05				1.7E+06	8.7E+05					1.8E+06
Isobutyric acid (2-methylpropanoic acid)										4.1E+04	1.8E+05				2.3E+01	1.2E+01	2.3E+03	1.2E+03	
Isodecanol										1.3E+02	5.7E+02	2.1E+02			3.0E+00	1.5E+00	3.0E+02	1.5E+02	
Isodrin	1.7E+00	8.9E-01	3.6E-02	1.2E-01		1.7E+00	9.0E-01			2.5E-01	1.1E+00				1.5E+00	7.4E-01	1.5E+02	7.4E+01	9.4E+03
Isopentane								3.7E+05	1.9E+05	4.9E+03			3.7E+05	1.9E+05	2.7E+02	1.3E+02	2.7E+04	1.3E+04	4.5E+05
Isophorone			6.4E+03	2.2E+04						1.6E+04	7.1E+04				3.0E+00	1.5E+00	3.0E+02	1.5E+02	
Isopropyl acetate										5.7E+03					4.0E+00	2.0E+00	4.0E+02	2.0E+02	
Isopropyl alcohol										1.6E+04					1.0E+01	5.0E+00	1.0E+03	5.0E+02	
Isosafrole	9.1E+01	4.7E+01	2.8E+01	9.4E+01		9.1E+01	4.7E+01								1.3E-01	6.5E-02	1.3E+01	6.5E+00	1.3E+04
Kelthane (dicofol)										4.9E+02	2.1E+03	8.2E+02			7.4E+01	3.7E+01	7.4E+03	3.7E+03	
Kepone (chlordecone)	4.8E+01	2.5E+01	6.1E-01	2.1E+00	1.5E+00	4.9E+01	2.5E+01			2.5E+01	1.1E+02	1.2E+02			9.9E-02	4.9E-02	9.9E+00	4.9E+00	2.5E+05
Lead (inorganic)										5.0E+02					3.0E+00	1.5E+00	3.0E+02	1.5E+02	
Leptophos								3.3E+01	1.7E+01	4.1E-01		3.1E-01	3.3E+01	1.7E+01	6.4E-01	3.2E-01	6.4E+01	3.2E+01	3.4E+05
Limonene, d-*																			
Lithium[2]										1.6E+02	7.1E+03	6.0E+02							
Magnesium*																			
Malathion								2.0E+02	1.0E+02	1.6E+03	7.1E+03		2.0E+02	1.0E+02	6.6E+00	3.3E+00	6.6E+02	3.3E+02	1.2E+05
Maleic anhydride										8.2E+03	3.6E+04				7.2E+00	3.6E+00	7.2E+02	3.6E+02	
Maleic hydrazide										4.1E+04	1.8E+05				3.6E+01	1.8E+01	3.6E+03	1.8E+03	
Malononitrile										8.2E+00	3.6E+01				5.2E-03	2.6E-03	5.2E-01	2.6E-01	
Mancozeb										2.5E+03	1.1E+04				1.8E+00	9.0E-01	1.8E+02	9.0E+01	
Manganese								4.8E+04	2.5E+04	1.1E+04	3.0E+04	7.6E+03			1.2E+03	5.8E+02	1.2E+05	5.8E+04	
MCPA (4-(chloro-2-methylphenoxy) acetic acid)										4.1E+01	1.8E+02				2.3E-02	1.2E-02	2.3E+00	1.2E+00	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)										8.2E+01	3.6E+02				4.7E-02	2.3E-02	4.7E+00	2.3E+00	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)										8.2E+01	3.6E+02				4.7E-02	2.3E-02	4.7E+00	2.3E+00	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)										8.2E+01	3.6E+02				4.7E-02	2.3E-02	4.7E+00	2.3E+00	
Mercuric chloride (pH = 4.9)								4.6E+00	2.4E+00	2.5E+01	7.5E+01	3.6E+02	4.6E+00	2.4E+00	7.8E-03	3.9E-03	7.8E-01	3.9E-01	2.8E+01
Mercuric chloride (pH = 6.8)								1.6E+01	8.0E+00	2.5E+01	7.5E+01	3.6E+02	1.6E+01	8.0E+00	2.1E+00	1.0E+00	2.1E+02	1.0E+02	7.6E+03
Mercury (pH = 4.9)[3]								4.6E+00	2.4E+00	2.5E+01	7.5E+01	3.6E+02	4.6E+00	2.4E+00	7.8E-03	3.9E-03	7.8E-01	3.9E-01	2.8E+01
Merphos										2.5E+00	1.1E+01				6.5E+00	3.2E+00	6.5E+02	3.2E+02	
Methacrylic acid (2-methyl-2-propenoic acid)										8.2E+02					4.7E-01	2.3E-01	4.7E+01	2.3E+01	
Methacrylonitrile										8.2E+00					5.0E-03	2.5E-03	5.0E-01	2.5E-01	
Methanol										4.1E+04					2.4E+01	1.2E+01	2.4E+03	1.2E+03	
Methapyrilene			1.3E+00	4.4E+00											5.3E-04	2.6E-04	5.3E-02	2.6E-02	
Methomyl										2.0E+03	8.9E+03				5.1E+00	2.5E+00	5.1E+02	2.5E+02	
Methoxychlor										4.1E+02	1.8E+03	1.5E+03			1.2E+02	6.2E+01	1.2E+04	6.2E+03	
Methoxyethanol, 2-								3.1E+02	1.6E+02	4.1E+02			3.1E+02	1.6E+02	6.7E-01	3.4E-01	6.7E+01	3.4E+01	4.5E+02
Methyl acetate (acetic acid, methyl ester)										8.2E+04					4.9E+01	2.4E+01	4.9E+03	2.4E+03	
Methyl acrylate										1.6E+02					1.0E-01	5.2E-02	1.0E+01	5.2E+00	
Methyl amyl ketone (2-heptanone)								1.1E+05	5.7E+04	4.1E+03			1.1E+05	5.7E+04	4.7E+00	2.4E+00	4.7E+02	2.4E+02	4.3E+06
Methyl chrysene, 1-	2.4E+06	1.2E+06	8.3E+02	2.2E+03	1.3E+04	2.6E+06	1.4E+06								2.2E+04	1.1E+04	2.2E+06	1.1E+06	1.4E+11
Methyl chrysene, 2-	2.4E+06	1.2E+06	8.3E+02	2.2E+03	1.3E+04	2.6E+06	1.4E+06								2.2E+04	1.1E+04	2.2E+06	1.1E+06	1.4E+11
Methyl chrysene, 6-	2.1E+05	1.1E+05	8.3E+01	2.2E+02	1.0E+03	2.3E+05	1.2E+05								1.8E+03	8.8E+02	1.8E+05	8.8E+04	1.1E+10
Methyl cyclohexane								4.6E+04	2.4E+04	4.1E+05			4.6E+04	2.4E+04	1.6E+04	7.8E+03	1.6E+06	7.8E+05	1.8E+05
Methyl ethyl ketone (2-butanone)								2.0E+05	1.0E+05	4.9E+04			2.0E+05	1.0E+05	2.9E+01	1.5E+01	2.9E+03	1.5E+03	9.6E+06
Methyl iodide (iodomethane)										1.1E+02					1.1E-01	5.7E-02	1.1E+01	5.7E+00	
Methyl isobutyl ketone (4-methyl-2-pentanone)								5.8E+04	3.0E+04	6.6E+03			5.8E+04	3.0E+04	4.9E+00	2.5E+00	4.9E+02	2.5E+02	1.7E+06
Methyl mercury										8.2E+00	3.6E+02								

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Methyl methacrylate								1.1E+04	5.5E+03	1.1E+05			1.1E+04	5.5E+03	9.8E+01	4.9E+01	9.8E+03	4.9E+03	2.3E+05
Methyl methanesulfonate	1.1E+02	5.7E+01	6.1E+01	2.1E+02		1.1E+02	5.7E+01								1.8E-02	8.9E-03	1.8E+00	8.9E-01	3.2E+04
Methyl parathion										2.0E+01	8.9E+01				1.7E-01	8.5E-02	1.7E+01	8.5E+00	
Methyl-1-butene, 2-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	6.5E+01	3.2E+01	6.5E+03	3.2E+03	3.4E+05
Methyl-1-propanal, 2- (isobutyraldehyde)										3.3E+03					2.1E+00	1.0E+00	2.1E+02	1.0E+02	
Methyl-2-butene, 2-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	3.9E+01	1.9E+01	3.9E+03	1.9E+03	4.0E+05
Methyl-2-pentenal, 2-			3.2E+00												1.5E-03	7.3E-04	1.5E-01	7.3E-02	
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)			6.7E+02	2.3E+03											5.2E-01	2.6E-01	5.2E+01	2.6E+01	
Methylcholanthrene, 3-	1.5E+03	7.8E+02	2.8E-01	7.3E-01	5.0E+00	1.8E+03	9.0E+02								1.5E+01	7.6E+00	1.5E+03	7.6E+02	1.5E+08
Methylene bromide (dibromomethane)			8.1E+02					8.2E+01	4.2E+01	4.9E+03			8.2E+01	4.2E+01	1.1E+00	5.6E-01	1.1E+02	5.6E+01	2.2E+03
Methylene chloride (dichloromethane)	1.3E+04	6.6E+03	3.0E+03			1.3E+04	6.6E+03	2.0E+04	1.0E+04	4.9E+02			2.0E+04	1.0E+04	1.3E-02	6.5E-03	1.3E+00	6.5E-01	5.6E+04
Methylene-bis (2-chloroaniline) 4,4'-	2.7E+03	1.4E+03	6.1E+01	2.1E+02		2.7E+03	1.4E+03			1.6E+02	7.1E+02				2.9E+00	1.4E+00	2.9E+02	1.4E+02	6.3E+06
Methylmecury hydroxide										8.2E+00	3.6E+01				4.8E-03	2.4E-03	4.8E-01	2.4E-01	
Methylnaphthalene, 1-			2.1E+02	5.5E+02						5.7E+03	1.9E+04				2.9E+00	1.5E+00	2.9E+02	1.5E+02	
Methylnaphthalene, 2-										3.3E+02	1.1E+03				1.7E+01	8.5E+00	1.7E+03	8.5E+02	
Methylpyrrolidone, N-										1.6E+03	7.1E+03				9.6E-01	4.8E-01	9.6E+01	4.8E+01	
Methylsytrene, alpha-								4.8E+02	2.5E+02	6.8E+02			4.8E+02	2.5E+02	6.5E+00	3.3E+00	6.5E+02	3.3E+02	2.1E+04
Methyltetrahydrofuran, 2-	1.9E+02	9.7E+01	8.0E+02			1.9E+02	9.7E+01			1.6E+04					2.7E-01	1.4E-01	2.7E+01	1.4E+01	4.2E+03
Methyltetrahydropyran, 2-	2.2E+02	1.1E+02	8.0E+02			2.2E+02	1.1E+02			1.6E+04					3.3E-01	1.6E-01	3.3E+01	1.6E+01	5.7E+03
Metolachlor										1.2E+04	5.3E+04				1.1E+02	5.5E+01	1.1E+04	5.5E+03	
Metribuzin										2.0E+03	8.9E+03				1.2E+00	6.1E-01	1.2E+02	6.1E+01	
Mirex										1.6E+01	7.1E+01				4.5E+03	2.2E+03	4.5E+05	2.2E+05	
Molinate										1.6E+02	7.1E+02				1.9E-01	9.6E-02	1.9E+01	9.6E+00	
Molybdenum										4.1E+02	6.8E+03	2.6E+02			4.9E+01	2.5E+01	4.9E+03	2.5E+03	
Monocrotophos										4.9E+01	2.1E+02				2.9E-02	1.5E-02	2.9E+00	1.5E+00	
Morpholine										4.1E+07					2.4E+04	1.2E+04	2.4E+06	1.2E+06	
Morpholine, N-butyl-										1.9E+02					2.3E-01	1.2E-01	2.3E+01	1.2E+01	
MTBE (methyl tert-butyl ether)	1.4E+03	7.1E+02	3.4E+03			1.4E+03	7.1E+02	4.6E+04	2.4E+04	8.2E+02			4.6E+04	2.4E+04	6.2E-01	3.1E-01	6.2E+01	3.1E+01	1.0E+04
Naled										1.6E+02	7.1E+02				3.5E-01	1.8E-01	3.5E+01	1.8E+01	
Naphthalene								2.7E+02	1.4E+02	1.6E+03	5.5E+03		2.7E+02	1.4E+02	3.1E+01	1.6E+01	3.1E+03	1.6E+03	2.0E+04
Naphthoquinone, 1,4-										5.7E+02	2.5E+03				4.6E-01	2.3E-01	4.6E+01	2.3E+01	
Naphthylamine, 1-										1.6E+03	7.1E+03				9.4E+00	4.7E+00	9.4E+02	4.7E+02	
Naphthylamine, 2-			3.4E+00	1.2E+01											1.3E-02	6.4E-03	1.3E+00	6.4E-01	
Napropamide										8.2E+03	3.6E+04				5.5E+02	2.7E+02	5.5E+04	2.7E+04	
Neopentyl glycol										2.5E+04	1.1E+05				1.5E+01	7.3E+00	1.5E+03	7.3E+02	
Nickel and compounds	1.3E+05	6.8E+04						2.2E+05	1.1E+05	1.6E+03	2.8E+03	4.6E+03			1.6E+02	7.9E+01	1.6E+04	7.9E+03	
Nitrate										1.3E+05	5.7E+06				1.9E+01	9.6E+00	1.9E+03	9.6E+02	
Nitrite										8.2E+03	3.6E+05								
Nitroaniline, 2-								4.8E+01	2.4E+01	2.5E+01	1.1E+02		4.8E+01	2.4E+01	2.2E-02	1.1E-02	2.2E+00	1.1E+00	1.2E+04
Nitroaniline, 3-			1.6E+02	5.5E+02				6.0E+01	3.1E+01	2.5E+01	1.1E+02		6.0E+01	3.1E+01	2.6E-02	1.3E-02	2.6E+00	1.3E+00	1.7E+04
Nitroaniline, 4-			3.0E+02	1.0E+03				1.2E+03	6.2E+02	3.3E+02	1.4E+03		1.2E+03	6.2E+02	1.1E-01	5.4E-02	1.1E+01	5.4E+00	3.4E+05
Nitrobenzene	6.6E+01	3.4E+01				6.6E+01	3.4E+01	1.0E+03	5.2E+02	1.6E+02	7.1E+02		1.0E+03	5.2E+02	3.5E-01	1.8E-01	3.5E+01	1.8E+01	5.2E+03
Nitroglycerin			3.6E+02	1.2E+03						8.2E+00	3.6E+01				1.4E-02	6.9E-03	1.4E+00	6.9E-01	
Nitrophenol, 2-										1.6E+02	7.1E+02				1.3E-01	6.7E-02	1.3E+01	6.7E+00	
Nitrophenol, 3-										1.6E+02	7.1E+02				2.3E-01	1.1E-01	2.3E+01	1.1E+01	
Nitrophenol, 4-										1.6E+02	7.1E+02				1.0E-01	5.0E-02	1.0E+01	5.0E+00	
Nitropropane, 2-	1.3E-01	6.8E-02				1.3E-01	6.8E-02	3.1E+02	1.6E+02	1.1E+01			3.1E+02	1.6E+02	7.1E-03	3.5E-03	7.1E-01	3.5E-01	3.6E+00
Nitroquinoline-N-oxide, 4-	1.9E+00	9.7E-01	6.5E-01	2.2E+00		1.9E+00	9.7E-01								2.3E-04	1.2E-04	2.3E-02	1.2E-02	2.7E+04
Nitrosodiethanolamine			2.2E+00	7.4E+00											6.6E-04	3.3E-04	6.6E-02	3.3E-02	
Nitrosodiethylamine, n-	6.6E-02	3.4E-02	4.0E-02			6.6E-02	3.4E-02								1.2E-05	6.2E-06	1.2E-03	6.2E-04	1.5E+01
Nitrosodimethylamine, n-	2.0E-01	1.0E-01	1.2E-01			2.0E-01	1.0E-01	4.7E+00	2.4E+00	6.6E-01			4.7E+00	2.4E+00	3.7E-05	1.8E-05	3.7E-03	1.8E-03	4.2E+01
Nitrosodi-n-butylamine, n-	1.0E+00	5.3E-01	1.1E+00	3.8E+00		1.0E+00	5.3E-01								1.9E-03	9.4E-04	1.9E-01	9.4E-02	5.2E+01
Nitrosodi-n-propylamine, n-			8.7E-01	7.4E-01											3.5E-04	1.8E-04	3.5E-02	1.8E-02	
Nitrosodiphenylamine			1.2E+03	1.1E+03											2.8E+00	1.4E+00	2.8E+02	1.4E+02	
Nitroso-methyl-ethyl-amine, n-			2.8E-01												1.1E-04	5.7E-05	1.1E-02	5.7E-03	
Nitrosomorpholine, N-	1.7E+00	8.8E-01	9.1E-01	3.1E+00		1.7E+00	8.8E-01								2.6E-04	1.3E-04	2.6E-02	1.3E-02	5.2E+02
Nitroso-n-ethylurea, n-			4.3E-02	1.5E-01											2.1E-05	1.0E-05	2.1E-03	1.0E-03	
Nitrosopiperidine, N-	1.3E+00	6.9E-01	6.5E-01	2.2E+00		1.3E+00	6.9E-01								2.1E-04	1.0E-04	2.1E-02	1.0E-02	3.5E+02
Nitrosopyrrolidine, n-	5.8E+00	3.0E+00	2.9E+00	9.9E+00		5.8E+00	3.0E+00								8.4E-04	4.2E-04	8.4E-02	4.2E-02	1.9E+03
Nitrotoluene, m-										8.2E+02	3.6E+03				1.8E+00	9.2E-01	1.8E+02	9.2E+01	
Nitrotoluene, o-			2.8E+01	9.4E+01						7.4E+01	3.2E+02				3.1E-02	1.6E-02	3.1E+00	1.6E+00	
Nitrotoluene, p-			3.8E+02	1.3E+03						3.3E+02	1.4E+03				4.3E-01	2.2E-01	4.3E+01	2.2E+01	
Nonachlor, cis-	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.2E+03	6.4E+02	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	3.7E+03	1.9E+03	1.3E+01	6.3E+00	1.3E+03	6.3E+02	3.7E+06

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Nonachlor, trans-	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.2E+03	6.4E+02	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	3.7E+03	1.9E+03	1.3E+01	6.3E+00	1.3E+03	6.3E+02	3.7E+06
Nonanal										1.6E+04	7.1E+04				1.5E+02	7.4E+01	1.5E+04	7.4E+03	
Nonene, 1-n										8.2E+03					3.3E+03	1.6E+03	3.3E+05	1.6E+05	
Nonylphenol										8.2E+03	3.6E+04	2.8E+05			3.0E+05	1.5E+05	3.0E+07	1.5E+07	
Nonylphenol										8.2E+03	3.6E+04	2.8E+05			3.0E+05	1.5E+05	3.0E+07	1.5E+07	
Nonylphenol										8.2E+03	3.6E+04	2.8E+05			3.0E+05	1.5E+05	3.0E+07	1.5E+07	
Nonylphenol ethoxylate										8.2E+03		2.9E+05			7.5E+05	3.7E+05	7.5E+07	3.7E+07	
Octamethylpyrophosphoramide										1.6E+02	7.1E+02				9.4E-02	4.7E-02	9.4E+00	4.7E+00	
Octanone								9.0E+05	4.6E+05	4.9E+03			9.0E+05	4.6E+05	1.1E+01	5.5E+00	1.1E+03	5.5E+02	3.6E+07
Oxamyl										2.0E+03	8.9E+03				4.2E-01	2.1E-01	4.2E+01	2.1E+01	
Oxychlordane	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.2E+03	6.4E+02	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	3.7E+03	1.9E+03	1.3E+01	6.3E+00	1.3E+03	6.3E+02	3.7E+06
Paraquat										3.7E+02	1.6E+03				2.1E-01	1.1E-01	2.1E+01	1.1E+01	
Parathion (ethyl parathion)										4.9E+02	2.1E+03				3.3E+01	1.7E+01	3.3E+03	1.7E+03	
Pebulate										4.1E+03	1.8E+04				2.3E+01	1.2E+01	2.3E+03	1.2E+03	
Pendimethalin										3.3E+03	1.4E+04	5.1E+04			7.5E+03	3.7E+03	7.5E+05	3.7E+05	
Pentachlorobenzene										6.6E+01	2.8E+02				2.5E+01	1.2E+01	2.5E+03	1.2E+03	
Pentachloroethane	9.4E+01	4.8E+01	6.7E+01			9.4E+01	4.8E+01			2.5E+03					9.7E-02	4.8E-02	9.7E+00	4.8E+00	2.8E+03
Pentachloronitrobenzene			2.3E+01	8.0E+01	2.3E+01					2.5E+02	1.1E+03	4.8E+02			1.8E+00	9.2E-01	1.8E+02	9.2E+01	
Pentachlorophenol			1.5E+01	2.1E+01	7.9E-01					4.1E+02	7.1E+02	4.2E+01			1.8E-02	9.2E-03	1.8E+00	9.2E-01	
Pentadiene, 1,3-cis-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	1.9E+01	9.4E+00	1.9E+03	9.4E+02	5.5E+05
Pentadiene, 1,3-trans-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	1.3E+01	6.5E+00	1.3E+03	6.5E+02	6.7E+05
Pentaerythritol tetranitrate (PETN)										1.6E+02	7.1E+02				1.2E+01	6.2E+00	1.2E+03	6.2E+02	
Pentane								3.7E+05	1.9E+05	5.7E+04			3.7E+05	1.9E+05	4.0E+03	2.0E+03	4.0E+05	2.0E+05	8.1E+04
Pentane, 2-methyl-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	3.8E+02	1.9E+02	3.8E+04	1.9E+04	4.5E+05
Pentane, 3-methyl-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	3.1E+02	1.6E+02	3.1E+04	1.6E+04	4.7E+05
Pentanediol, 1,5-								2.8E+06	1.4E+06	4.1E+05	1.8E+06		2.8E+06	1.4E+06	2.4E+02	1.2E+02	2.4E+04	1.2E+04	8.7E+08
Pentanol, 1-										2.7E+03					2.3E+00	1.1E+00	2.3E+02	1.1E+02	
Pentanol, 4-methyl-2-										2.1E+03					1.8E+00	8.8E-01	1.8E+02	8.8E+01	
Pentanone, 2-										3.3E+03					2.2E+00	1.1E+00	2.2E+02	1.1E+02	
Pentene, 2-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	4.7E+01	2.3E+01	4.7E+03	2.3E+03	4.5E+05
Pentyne, 1-								2.8E+05	1.4E+05	4.9E+03			2.8E+05	1.4E+05	1.3E+01	6.3E+00	1.3E+03	6.3E+02	6.2E+05
Perchlorate										5.7E+01	5.0E+02				1.4E-01	7.0E-02	1.4E+01	7.0E+00	
Perylene										1.6E+03	7.1E+03	4.9E+04			7.6E+04	3.8E+04	7.6E+06	3.8E+06	
Phenacetin	1.1E+04	5.6E+03	2.8E+03	9.4E+03		1.1E+04	5.6E+03								1.2E+00	6.2E-01	1.2E+02	6.2E+01	3.4E+06
Phenanthrene										2.5E+03	8.2E+03	1.7E+04			4.2E+02	2.1E+02	4.2E+04	2.1E+04	
Phenanthridine										2.5E+02	1.1E+03				5.3E+00	2.6E+00	5.3E+02	2.6E+02	
Phenol										2.5E+04	1.1E+05				1.9E+01	9.6E+00	1.9E+03	9.6E+02	
Phenol, 4-tert-butyl-										4.1E+02	1.8E+03				4.5E+00	2.3E+00	4.5E+02	2.3E+02	
Phenothiazine										4.1E+01	1.8E+02	2.0E+02			3.6E+00	1.8E+00	3.6E+02	1.8E+02	
Phenyl mercuric acetate										6.6E+00	2.8E+01				1.6E-02	8.1E-03	1.6E+00	8.1E-01	
Phenylene diamine, m-										4.9E+02	2.1E+03				2.9E-01	1.4E-01	2.9E+01	1.4E+01	
Phenylene diamine, p-										1.6E+04	6.8E+04				9.1E+00	4.6E+00	9.1E+02	4.6E+02	
Phorate										1.6E+01	7.1E+01				1.1E+00	5.4E-01	1.1E+02	5.4E+01	
Phosalone										1.6E+02	7.1E+02				2.3E+00	1.2E+00	2.3E+02	1.2E+02	
Phosdrin (mevinphos)										2.0E+00	8.9E+00				1.2E-03	5.9E-04	1.2E-01	5.9E-02	
Phosmet										1.6E+03	7.1E+03				4.1E+00	2.0E+00	4.1E+02	2.0E+02	
Phosphine								4.6E+00	2.4E+00	2.5E+01	2.1E+02		4.6E+00	2.4E+00					
Phosphorotrithioic acid, S,S,S-tributyl ester			7.2E+01		8.1E+02					8.2E+01		1.8E+03			4.3E+02	2.2E+02	4.3E+04	2.2E+04	
Phosphorus, total*																			
Phosphorus, white										1.6E+00	1.4E+01				2.3E-02	1.1E-02	2.3E+00	1.1E+00	
Phthalic anhydride								5.0E+04	2.6E+04	1.6E+05	7.1E+05		5.0E+04	2.6E+04	2.5E+02	1.2E+02	2.5E+04	1.2E+04	1.6E+07
Picloram										5.7E+03	2.5E+04				9.8E-01	4.9E-01	9.8E+01	4.9E+01	
Picoline, 2- (2-methylpyridine)										7.4E+02					5.6E-01	2.8E-01	5.6E+01	2.8E+01	
Polybrominated biphenyls (PBBs)			6.8E-01	2.3E+00	9.9E-03					5.7E-01	2.5E+00	1.7E-02			9.0E-03	4.5E-03	9.0E-01	4.5E-01	
Polychlorinated biphenyls (PCBs)	5.4E+01	2.8E+01	3.0E+00	7.4E+00	1.3E+01	5.4E+01	2.8E+01			1.6E+00	5.1E+00	1.4E+01			1.1E+01	5.3E+00	1.1E+03	5.3E+02	6.2E+04
Potassium*																			
Primene										4.9E+02	2.1E+03	3.9E+03			5.4E+01	2.7E+01	5.4E+03	2.7E+03	
Prometon (pramitol)										1.2E+03	5.3E+03				9.6E+00	4.8E+00	9.6E+02	4.8E+02	
Pronamide										6.1E+03	2.7E+04				1.8E+01	9.1E+00	1.8E+03	9.1E+02	
Propanal (propionaldehyde)								1.2E+02	6.3E+01	6.6E+02			1.2E+02	6.3E+01	3.9E-01	2.0E-01	3.9E+01	2.0E+01	3.3E+03
Propane, 1-bromo-										2.9E+03					3.4E+00	1.7E+00	3.4E+02	1.7E+02	
Propanil										4.1E+02	1.8E+03				4.7E+00	2.3E+00	4.7E+02	2.3E+02	
Propanoic acid (propionic acid)										4.1E+04					2.3E+01	1.2E+01	2.3E+03	1.2E+03	

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Propanol, 1-										1.6E+04					1.0E+01	5.0E+00	1.0E+03	5.0E+02	
Propargite										1.6E+03	7.1E+03				1.1E+02	5.5E+01	1.1E+04	5.5E+03	
Propargyl alcohol										1.6E+02					1.0E-01	5.2E-02	1.0E+01	5.2E+00	
Propazine			1.4E+02	4.7E+02						1.6E+03	7.1E+03				9.5E-01	4.7E-01	9.5E+01	4.7E+01	
Propham										1.6E+03	7.1E+03				1.9E+00	9.7E-01	1.9E+02	9.7E+01	
Propionitrile (propane nitrile)										3.3E+01					1.9E-02	9.7E-03	1.9E+00	9.7E-01	
Propyl acetate, n-										7.4E+03					5.3E+00	2.7E+00	5.3E+02	2.7E+02	
Propylbenzene, n-								6.3E+03	3.3E+03	3.3E+03			6.3E+03	3.3E+03	4.5E+01	2.2E+01	4.5E+03	2.2E+03	2.8E+05
Propylene glycol								3.7E+02	1.9E+02	1.6E+06	7.1E+06		3.7E+02	1.9E+02	9.4E+02	4.7E+02	9.4E+04	4.7E+04	9.6E+04
Propylene glycol monomethyl ether								2.3E+05	1.2E+05	5.7E+04			2.3E+05	1.2E+05	3.3E+01	1.7E+01	3.3E+03	1.7E+03	5.6E+07
Propylene oxide	9.7E+01	5.0E+01	2.5E+01			9.7E+01	5.0E+01	4.6E+02	2.4E+02				4.6E+02	2.4E+02	7.5E-03	3.8E-03	7.5E-01	3.8E-01	3.1E+03
Propylene tetramer								1.5E+04	7.9E+03	8.2E+03	3.6E+04		1.5E+04	7.9E+03	2.5E+04	1.3E+04	2.5E+06	1.3E+06	4.6E+05
Prothiofos (Tokuthion)										8.2E+00	3.6E+01	4.9E+02			2.4E+03	1.2E+03	2.4E+05	1.2E+05	
Pyrene										2.5E+03	8.2E+03	1.7E+04			1.1E+03	5.6E+02	1.1E+05	5.6E+04	
Pyridine										8.2E+01					6.9E-02	3.5E-02	6.9E+00	3.5E+00	
Quinoline			2.0E+00	6.9E+00											7.5E-03	3.8E-03	7.5E-01	3.8E-01	
Ronnel										4.1E+03	1.8E+04	7.0E+03			4.2E+02	2.1E+02	4.2E+04	2.1E+04	
Safrole	6.7E+01	3.4E+01	2.8E+01	9.4E+01		6.7E+01	3.4E+01								1.6E-01	8.2E-02	1.6E+01	8.2E+00	7.5E+03
Selenium										4.1E+02	1.8E+04	1.3E+03			2.3E+00	1.1E+00	2.3E+02	1.1E+02	
Selenourea										4.1E+02									
Silver										4.1E+02	7.1E+02	1.5E+02			4.8E-01	2.4E-01	4.8E+01	2.4E+01	
Simazine			5.1E+01	1.7E+02						4.1E+02	1.8E+03				5.5E-02	2.8E-02	5.5E+00	2.8E+00	
Sodium*																			
Sodium diethyldithiocarbamate			2.2E+01							2.5E+03									
Sodium hypochlorite								3.0E+05	1.5E+05	1.7E+04	1.5E+05								
Sodium polyacrylate								1.2E+02	6.2E+01	4.1E+04			1.2E+02	6.2E+01	2.4E+01	1.2E+01	2.4E+03	1.2E+03	3.0E+04
Strontium										4.9E+04	4.3E+05				6.1E+02	3.1E+02	6.1E+04	3.1E+04	
Strychnine										2.5E+01	1.1E+02				3.7E-02	1.9E-02	3.7E+00	1.9E+00	
Styrene								1.1E+04	5.8E+03	1.6E+04			1.1E+04	5.8E+03	3.3E+00	1.6E+00	3.3E+02	1.6E+02	4.9E+05
Sulfate*																			
Sulfide*																			
Sulfolane								8.6E+02	4.4E+02	1.1E+03	4.6E+03		8.6E+02	4.4E+02	6.1E-01	3.1E-01	6.1E+01	3.1E+01	2.5E+05
Sulfur*																			
Sulprofos (Bolstar)										2.5E+02	1.1E+03	8.4E+03			7.5E+03	3.8E+03	7.5E+05	3.8E+05	
Tebuconazole										2.5E+03	1.1E+04				3.1E+01	1.6E+01	3.1E+03	1.6E+03	
Tebuthiuron										5.7E+03	2.5E+04				5.4E+00	2.7E+00	5.4E+02	2.7E+02	
Terbufos										2.0E+00	8.9E+00				3.4E-01	1.7E-01	3.4E+01	1.7E+01	
Tert-amyl ethyl ether (TAEE)										3.3E+03					9.5E+00	4.7E+00	9.5E+02	4.7E+02	
Tert-amyl-methyl ether (TAME)										3.3E+03					3.8E+00	1.9E+00	3.8E+02	1.9E+02	
Tert-butyl alcohol (2-methyl-2-propanol)										7.4E+03					4.6E+00	2.3E+00	4.6E+02	2.3E+02	
Tetrachlorobenzene, 1,2,3,4-										2.5E+01	1.1E+02				1.2E+01	6.0E+00	1.2E+03	6.0E+02	
Tetrachlorobenzene, 1,2,3,5-										2.5E+01	1.1E+02	4.2E+01			1.9E+00	9.4E-01	1.9E+02	9.4E+01	
Tetrachlorobenzene, 1,2,4,5-										2.5E+01	1.1E+02				4.8E-01	2.4E-01	4.8E+01	2.4E+01	
Tetrachloroethane, 1,1,1,2-	9.1E+01	4.7E+01	2.3E+02			9.1E+01	4.7E+01			2.5E+03					1.4E+00	7.1E-01	1.4E+02	7.1E+01	4.5E+03
Tetrachloroethane, 1,1,2,2-			3.0E+01							1.6E+03					2.3E-02	1.2E-02	2.3E+00	1.2E+00	
Tetrachloroethylene	9.4E+02	4.8E+02	2.9E+03			9.4E+02	4.8E+02	5.7E+03	2.9E+03	4.9E+02			5.7E+03	2.9E+03	5.0E-02	2.5E-02	5.0E+00	2.5E+00	5.0E+03
Tetrachlorophenol, 2,3,4,5-										2.5E+03	1.1E+04	5.0E+02			1.5E+01	7.4E+00	1.5E+03	7.4E+02	
Tetrachlorophenol, 2,3,4,6-										2.5E+03	1.1E+04	2.0E+02			4.5E+00	2.2E+00	4.5E+02	2.2E+02	
Tetrachlorophenol, 2,3,5,6-										2.5E+03	1.1E+04	2.3E+01			2.2E+00	1.1E+00	2.2E+02	1.1E+02	
Tetrachlorvinphos (Stirophos)										3.4E+03	1.5E+04	4.5E+04			2.4E+03	1.2E+03	2.4E+05	1.2E+05	
Tetradifon										1.6E+03	7.1E+03	4.9E+03			8.7E+01	4.4E+01	8.7E+03	4.4E+03	
Tetraethyl dithiopyrophosphate (sulfotep)										4.1E+01	1.8E+02				3.9E-01	1.9E-01	3.9E+01	1.9E+01	
Tetraethyl lead										8.2E-03	3.6E-02				5.0E-04	2.5E-04	5.0E-02	2.5E-02	
Tetraethyl pyrophosphate (TEPP)										9.0E-01	3.9E+00				9.3E-03	4.6E-03	9.3E-01	4.6E-01	
Tetraethylene glycol										2.7E+04	1.2E+05				1.6E+01	7.8E+00	1.6E+03	7.8E+02	
Tetrahydrofuran	1.9E+02	9.7E+01	8.0E+02			1.9E+02	9.7E+01	3.1E+04	1.6E+04	7.4E+04			3.1E+04	1.6E+04	2.5E-01	1.2E-01	2.5E+01	1.2E+01	4.6E+03
Tetrahydropyran	2.0E+02	1.0E+02	8.0E+02			2.0E+02	1.0E+02			1.6E+04					2.7E-01	1.4E-01	2.7E+01	1.4E+01	5.9E+03
Tetraoxadodecane, 2,5,8,11-										2.0E+03					1.7E+00	8.6E-01	1.7E+02	8.6E+01	
Thallium and compounds (as thallium chloride)										6.6E+00	2.8E+02	4.5E+02			1.7E+00	8.7E-01	1.7E+02	8.7E+01	
Thiofanox										2.5E+01	1.1E+02				3.1E-02	1.6E-02	3.1E+00	1.6E+00	
Thionazin										5.7E+00	2.5E+01				1.1E-02	5.5E-03	1.1E+00	5.5E-01	
Thiophanate-methyl										6.6E+03	2.8E+04				4.5E+00	2.2E+00	4.5E+02	2.2E+02	
Thiram										4.1E+02	1.8E+03				3.5E+00	1.8E+00	3.5E+02	1.8E+02	

Last update: June 29, 2012

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)
Tin										4.9E+04	2.1E+05	3.1E+05			3.7E+04	1.8E+04	3.7E+06	1.8E+06	
Titanium										4.1E+05	5.3E+05	6.6E+06							
Toluene								6.3E+04	3.2E+04	6.6E+03			6.3E+04	3.2E+04	8.2E+00	4.1E+00	8.2E+02	4.1E+02	5.2E+05
Toluene diisocyanate, 2,4/2,6-								1.5E+02	7.5E+01				1.5E+02	7.5E+01					1.7E+05
Toluenediamine, 2,4-			1.9E+00	6.5E+00											1.5E-02	7.6E-03	1.5E+00	7.6E-01	
Toluenediamine, 2,6-										2.5E+03	1.1E+04				1.4E+00	7.2E-01	1.4E+02	7.2E+01	
Toluidine, o-	1.4E+02	7.1E+01	2.5E+01	8.7E+01		1.4E+02	7.1E+01								3.8E-02	1.9E-02	3.8E+00	1.9E+00	2.7E+04
Toluidine, p-			3.2E+01	1.1E+02											1.4E-02	7.0E-03	1.4E+00	7.0E-01	
Toxaphene	9.4E+02	4.8E+02	5.5E+00	1.9E+01	1.8E+00	9.6E+02	4.9E+02								1.2E+01	5.8E+00	1.2E+03	5.8E+02	6.9E+06
TPH, TX1005, C6-C12								3.1E+03	1.6E+03	3.3E+03			3.1E+03	1.6E+03	6.5E+01	3.3E+01	6.5E+03	3.3E+03	1.2E+05
TPH, TX1005, >C12-C28								1.5E+04	7.8E+03	3.3E+03	1.4E+04		1.5E+04	7.8E+03	2.0E+02	9.9E+01	2.0E+04	9.9E+03	1.5E+06
TPH, TX1005, >C12-C35								1.5E+04	7.8E+03	3.3E+03	1.4E+04		1.5E+04	7.8E+03	2.0E+02	9.9E+01	2.0E+04	9.9E+03	1.5E+06
TPH, TX1005, >C28-C35								1.5E+04	7.8E+03	3.3E+03	1.4E+04		1.5E+04	7.8E+03	2.0E+02	9.9E+01	2.0E+04	9.9E+03	1.5E+06
TP Silvex, 2,4,5-										6.6E+02	2.8E+03				5.3E+00	2.6E+00	5.3E+02	2.6E+02	
Triademenol										2.5E+03	1.1E+04				8.4E+00	4.2E+00	8.4E+02	4.2E+02	
Triallate										1.1E+03	4.6E+03	5.2E+02			1.9E+01	9.5E+00	1.9E+03	9.5E+02	
Triaminotrinitrobenzene (TATB)			2.0E+02	6.9E+02						2.5E+02	1.1E+03				6.4E-02	3.2E-02	6.4E+00	3.2E+00	
Tributyltin oxide										2.5E+01	1.1E+02								
Trichloro-1,2,2-trifluoroethane, 1,1,2-								4.6E+05	2.4E+05	2.5E+06			4.6E+05	2.4E+05	8.0E+04	4.0E+04	8.0E+06	4.0E+06	1.0E+06
Trichlorobenzene, 1,2,3-								3.0E+02	1.6E+02	2.5E+02	1.1E+03		3.0E+02	1.6E+02	2.6E+01	1.3E+01	2.6E+03	1.3E+03	4.8E+04
Trichlorobenzene, 1,2,4-			2.1E+02	7.2E+02				1.5E+02	7.8E+01	8.2E+02	3.6E+03		1.5E+02	7.8E+01	4.8E+00	2.4E+00	4.8E+02	2.4E+02	1.1E+04
Trichlorobenzene, 1,3,5-								1.3E+02	6.5E+01	2.5E+02	1.1E+03		1.3E+02	6.5E+01	7.5E+00	3.7E+00	7.5E+02	3.7E+02	1.0E+04
Trichloroethane, 1,1,1-								7.8E+04	4.0E+04	1.6E+05			7.8E+04	4.0E+04	1.6E+00	8.1E-01	1.6E+02	8.1E+01	3.3E+05
Trichloroethane, 1,1,2-	2.2E+01	1.2E+01	1.1E+02			2.2E+01	1.2E+01			3.3E+02					2.0E-02	1.0E-02	2.0E+00	1.0E+00	3.2E+02
Trichloroethylene	8.7E+01	4.5E+01	1.3E+02			8.7E+01	4.5E+01	3.1E+01	1.6E+01	4.1E+01			3.1E+01	1.6E+01	3.4E-02	1.7E-02	3.4E+00	1.7E+00	1.6E+02
Trichlorofluoromethane										2.5E+04					1.3E+02	6.4E+01	1.3E+04	6.4E+03	
Trichloronate										2.5E+02	1.1E+03	4.4E+02			1.2E+02	6.2E+01	1.2E+04	6.2E+03	
Trichlorophenol, 2,3,4-										8.2E+03	3.6E+04				5.9E+01	3.0E+01	5.9E+03	3.0E+03	
Trichlorophenol, 2,3,5-										8.2E+03	3.6E+04				2.8E+01	1.4E+01	2.8E+03	1.4E+03	
Trichlorophenol, 2,3,6-										8.2E+03	3.6E+04	5.8E+02			2.9E+01	1.4E+01	2.9E+03	1.4E+03	
Trichlorophenol, 2,4,5-										8.2E+03	3.6E+04				3.4E+01	1.7E+01	3.4E+03	1.7E+03	
Trichlorophenol, 2,4,6-	2.0E+03	1.0E+03	5.5E+02	1.9E+03		2.0E+03	1.0E+03			8.2E+01	3.6E+02				1.7E-01	8.7E-02	1.7E+01	8.7E+00	3.5E+05
Trichlorophenol, 3,4,5-										8.2E+03	3.6E+04				3.3E+02	1.6E+02	3.3E+04	1.6E+04	
Trichlorophenoxyacetic acid, 2,4,5-										8.2E+02	3.6E+03				9.9E-01	4.9E-01	9.9E+01	4.9E+01	
Trichloropropane, 1,1,2-								4.6E+00	2.4E+00	4.1E+02			4.6E+00	2.4E+00	1.5E+00	7.3E-01	1.5E+02	7.3E+01	3.2E+01
Trichloropropane, 1,2,3-			2.0E-01					1.4E+01	7.2E+00	3.3E+02			1.4E+01	7.2E+00	5.3E-04	2.7E-04	5.3E-02	2.7E-02	5.7E+02
Triethanolamine										1.6E+04	7.1E+04				9.4E+00	4.7E+00	9.4E+02	4.7E+02	
Triethylamine								1.1E+02	5.5E+01				1.1E+02	5.5E+01					1.6E+03
Triethylene glycol										2.5E+05	1.1E+06				1.4E+02	7.0E+01	1.4E+04	7.0E+03	
Triethylphosphorothioate, O, O, O-										6.8E-01	3.0E+00				4.4E-03	2.2E-03	4.4E-01	2.2E-01	
Trifluralin			7.9E+02	2.7E+03	5.0E+02					6.1E+02	2.7E+03	7.7E+02			6.5E+01	3.3E+01	6.5E+03	3.3E+03	
Trimethylamine								1.5E+02	7.6E+01				1.5E+02	7.6E+01					4.4E+03
Trimethylbenzene, 1,2,3-								1.2E+02	6.2E+01	4.1E+03			1.2E+02	6.2E+01	3.2E+01	1.6E+01	3.2E+03	1.6E+03	4.9E+03
Trimethylbenzene, 1,2,4-								1.6E+02	8.1E+01	4.1E+03			1.6E+02	8.1E+01	4.9E+01	2.4E+01	4.9E+03	2.4E+03	7.5E+03
Trimethylbenzene, 1,3,5-								1.2E+02	6.0E+01	4.1E+03			1.2E+02	6.0E+01	5.3E+01	2.7E+01	5.3E+03	2.7E+03	5.5E+03
Trinitrobenzene, 1,3,5-										2.5E+03	1.1E+04				1.8E+00	9.1E-01	1.8E+02	9.1E+01	
Trinitrophenylmethylnitramine (tetryl; nitramine)										3.3E+02	1.4E+03				1.1E+00	5.5E-01	1.1E+02	5.5E+01	
Trinitrotoluene, 2,4,6-			2.0E+02	6.9E+02						4.1E+01	1.8E+02				1.7E-01	8.6E-02	1.7E+01	8.6E+00	
Uranium (soluble salts)								2.9E+05	1.5E+05	2.5E+02	1.1E+04	2.9E+03			1.8E+03	8.9E+02	1.8E+05	8.9E+04	
Valeric acid (pentanoic acid)								1.3E+02	6.8E+01	4.1E+04	1.8E+05		1.3E+02	6.8E+01	2.3E+01	1.2E+01	2.3E+03	1.2E+03	3.8E+04
Vanadium								2.9E+04	1.5E+04	1.5E+02	1.7E+02	2.4E+03			8.8E+02	4.4E+02	8.8E+04	4.4E+04	
Vernam										8.2E+01	3.6E+02				2.7E+00	1.4E+00	2.7E+02	1.4E+02	
Vinyl acetate								3.1E+03	1.6E+03	8.2E+04			3.1E+03	1.6E+03	5.3E+01	2.7E+01	5.3E+03	2.7E+03	3.1E+04
Vinyl chloride	4.3E+01	2.2E+01	4.0E+00			4.3E+01	2.2E+01	9.2E+02	4.7E+02	2.5E+02			9.2E+02	4.7E+02	2.2E-02	1.1E-02	2.2E+00	1.1E+00	4.2E+01
Vinylcyclohexane										4.1E+04					1.4E+03	7.1E+02	1.4E+05	7.1E+04	
Warfarin										2.5E+01	1.1E+02				2.8E-01	1.4E-01	2.8E+01	1.4E+01	
Xylene, m-								9.4E+03	4.8E+03	1.6E+05			9.4E+03	4.8E+03	1.1E+02	5.3E+01	1.1E+04	5.3E+03	1.1E+05
Xylene, o-								6.8E+04	3.5E+04	1.6E+05			6.8E+04	3.5E+04	7.1E+01	3.5E+01	7.1E+03	3.5E+03	5.4E+06
Xylene, p-								9.4E+03	4.8E+03	1.6E+05			9.4E+03	4.8E+03	1.5E+02	7.5E+01	1.5E+04	7.5E+03	1.4E+05
Xylenes								9.4E+03	4.8E+03	1.6E+04			9.4E+03	4.8E+03	1.2E+02	6.1E+01	1.2E+04	6.1E+03	1.3E+05
Zinc										2.5E+04	2.1E+05	1.8E+04			2.4E+03	1.2E+03	2.4E+05	1.2E+05	
Footnotes																			

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic							Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)

[1]For subsurface soils only

[2]Please contact the TCEQ for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

[3]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[4]Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

NA = not applicable

All values capped at 1E+06

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Acenaphthene	
Acenaphthylene	
Acetaldehyde	3.1E+02
Acetate, 2-ethoxyethanol	6.3E+04
Acetate, isoamyl	
Acetate, isobutyl	
Acetate, sec-butyl	
Acetic acid*	
Acetone (2-propanone)	1.7E+06
Acetone cyanohydrin	4.3E+04
Acetonitrile	4.0E+03
Acetophenone	
Acetylaminofluorene, 2-	9.9E+02
Acifluorfen, sodium	
Acridine	
Acrolein	2.2E+02
Acrylamide	4.8E+02
Acrylic acid	1.9E+03
Acrylonitrile	7.4E+00
Adipic acid (hexanedioic acid)	
Alachlor	
Aldicarb	
Aldicarb sulfone	
Aldrin	5.5E+02
Allyl alcohol	3.9E+01
Allyl chloride	2.5E+00
Aluminum	
Ametryn	
Amino-2,6-dinitrotoluene, 4-	
Amino-4,6-dinitrotoluene, 2-	
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	
Aminopyridine, 4-	
Ammonia	3.7E+02
Ammonium polyphosphate*	
Ammonium salts*	
Aniline	1.6E+03
Anthracene	
Anthraquinone, 9,10-	
Antimony	
Aramite	
Arsenic	
Arsine	
Asbestos[4]	
Atrazine	
Azinphos-methyl (guthion)	
Azobenzene	9.4E+04
Barium	
Bayleton	
Benefin (benfluralin)	
Benomyl	
Benz-a-anthracene	1.9E+06
Benzaldehyde	
Benzene	6.0E+01
Benzenedicarbonitrile, 1,3-	
Benzenedicarboxylic acid, 1,2-disodecyl ester	9.3E+12
Benzenethiol	
Benzidine	1.2E+00
Benzo-a-pyrene	9.6E+05
Benzo-b-fluoranthene	5.1E+06
Benzo-e-pyrene	
Benzo-g,h,i-perylene	
Benzoic acid	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Benzo-j-fluoranthene	1.4E+06
Benzo-k-fluoranthene	3.1E+08
Benzophenone	
Benzotrichloride	
Benzoyl peroxide	
Benzyl alcohol	
Benzyl chloride	6.0E+01
Benzyl dichloride	1.5E+02
Beryllium	
Biphenyl, 1,1-	
Biphenyl, 1,1'-, 2-phenoxy-	
Biquinoline, 2,2'-	
Bis (2-chloroethoxy) methane	7.4E+01
Bis (2-chloroethyl) ether	1.5E+01
Bis (2-chloroisopropyl) ether	8.2E+02
Bis (2-chloromethyl) ether	1.1E-02
Bis (2-ethyl-hexyl) phthalate	
Bismuth	
Bisphenol A	
Boron[2]	
Bromacil	
Bromo-2-chloroethane, 1-	
Bromobenzene	1.7E+03
Bromodichloromethane	
Bromoform	1.8E+03
Bromomethane	1.1E+01
Bromophenyl phenylether, 4-	5.9E+02
Butadiene, 1,3-	3.2E+01
Butadiene, 2-methyl-1,3- (isoprene)	4.0E+04
Butanal (butyraldehyde)	
Butane, 2,3-dimethyl-	3.0E+04
Butanoic acid (butyric acid)	2.4E+03
Butanol, 1-, 2-Me-	
Butanol, 2-	7.2E+06
Butanol, 2-methyl-2-	
Butanol, n-	
Butene, 1-	1.9E+04
Butene, cis-2-	2.0E+04
Butene, trans-2-	2.0E+04
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)	4.8E+06
Butyl acetate	1.8E+04
Butyl acrylate	
Butyl benzyl phthalate	
Butyl ether, n- (dibutyl ether)	
Butyl methacrylate	
Butylate	
Butylbenzene, n-	
Butylbenzene, sec-	
Butylbenzene, tert-	
Cacodylic acid	
Cadmium	
Calcium*	
Caprolactam	
Captan	
Carbaryl	
Carbazole	
Carbofuran	
Carbon disulfide	1.7E+03
Carbon tetrachloride	1.6E+01
Carbophenothion	
Carbosulfan	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Carboxin	
Chloral	
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-	
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	
Chlordane (technical)	2.4E+05
Chlordane, cis- (alpha chlordane)	2.8E+06
Chlordane, gamma	1.6E+05
Chlorfenvinphos	
Chloride*	
Chlorine	
Chloro-1,3-butadiene, 2-	1.7E-01
Chloro-2-propanol, 1-	
Chloro-3-methylphenol, 4-	
Chloroaniline, p-	
Chlorobenzene	8.2E+02
Chlorobenzilate	1.5E+04
Chlorobromomethane (bromochloromethane)	
Chlorodifluoromethane	5.8E+04
Chloroethane (ethyl chloride)	2.4E+04
Chloroethanol, 2-	
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	4.4E+00
Chloroform	5.4E+00
Chlorohexane, 1-	1.9E+04
Chloromethane (methyl chloride)	1.4E+01
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	
Chloronaphthalene, 2- (chloronaphthalene, beta)	
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	3.1E+02
Chlorophenol, 2-	
Chlorophenol, 3-	
Chlorophenol, 4-	
Chlorophenyl phenylether, 4-	4.2E+01
Chloropropane, 2-	2.2E+02
Chlorothalonil	
Chlorotoluene, o- (2-chlorotoluene)	2.8E+04
Chlorotoluene, p- (4-chlorotoluene)	
Chlorpyrifos	
Chromium (III)	
Chromium (total)	
Chromium (VI)	
Chrysene	4.7E+08
Cobalt	
Copolymer acrylamide	
Copper	
Coronene	
Coumaphos	
Cresol	
Cresol, m- (3-methylphenol)	
Cresol, o- (2-methylphenol)	
Cresol, p- (4-methylphenol)	
Crotonaldehyde	
Cumene (isopropylbenzene)	4.0E+04
Cyanazine	
Cyanide	
Cyanogen	1.2E+00
Cycloate	
Cyclohexane	1.8E+04
Cyclohexanol	
Cyclohexanone	1.9E+05
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)	4.0E+03
Cyclohexene-1-methanol, 3-	
Cyclopentane	4.6E+04

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Cyclopentane, methyl-	2.5E+03
Cyclopentene	
Cyclotetramethylenetetranitramine (HMX)	
Cyclotrimethylenetrinitramine (RDX)	
Cymene (isopropyltoluene)	
Cymoxanil	
Dacthal (DCPA)	
Dalapon, sodium salt (2,2-dichloropropanoic acid)	
DDD	
DDE	
DDT	2.2E+05
Demeton	
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	
Diallate	
Diazinon	1.9E+03
Dibenz(a,h)acridine	4.1E+07
Dibenz(a,j)acridine	6.0E+07
Dibenz-a,h-anthracene	5.1E+06
Dibenzo(a,e)pyrene	7.0E+07
Dibenzo(a,h)pyrene	6.4E+06
Dibenzo(a,i)pyrene	6.4E+06
Dibenzofuran	
Dibenzothiophene	
Dibromo-3-chloropropane, 1,2-	3.5E-01
Dibromochloromethane (chlorodibromomethane)	
Dibromofluoromethane	
Dicamba	
Dichlormid	
Dichloro-2-butene, 1,4-	4.0E-01
Dichloro-2-butene, 1,4- trans	4.3E-01
Dichlorobenzene, 1,2-	2.2E+03
Dichlorobenzene, 1,3-	1.1E+02
Dichlorobenzene, 1,4-	6.5E+03
Dichlorobenzidine, 3,3-	
Dichlorobutane, 2,3-	9.9E+01
Dichlorodifluoromethane	1.9E+02
Dichloroethane, 1,1-	1.1E+04
Dichloroethane, 1,2-	5.9E+00
Dichloroethylene, 1,1-	7.7E+02
Dichloroethylene, cis-1,2-	2.8E+02
Dichloroethylene, trans-1,2	2.4E+02
Dichlorofluoromethane	
Dichlorophenol, 2,3-	
Dichlorophenol, 2,4-	
Dichlorophenol, 2,5-	
Dichlorophenol, 2,6-	
Dichlorophenol, 3,4-	
Dichlorophenol, 3,5-	
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	
Dichloropropane, 1,2-	3.4E+01
Dichloropropane, 1,3-	1.2E+02
Dichloropropane, 2,2-	3.3E+01
Dichloropropanol, 2,3-	
Dichloropropene, 1,1-	1.8E+01
Dichloropropene, 1,3- (mixed isomers)	5.0E+01
Dichloropropene, cis 1,3-	1.8E+02
Dichloropropene, trans 1,3-	4.8E+01
Dichlorvos	1.0E+11
Dicrotophos (bidrin)	
Dicyclopentadiene	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Dieldrin	7.0E+03
Diethanolamine	
Diethyl phthalate	
Diethylene glycol	
Diethylene glycol monobutyl ether	4.4E+02
Diethylhexyl adipate	
Diethylstilbestrol	
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	6.1E+02
Diisopropylbenzene, p-	
Diisopropyl ether (2,2'-oxybis-propane)	6.2E+03
Dimethenamid	
Dimethoate	
Dimethoxybenzidine, 3,3'-	
Dimethylphenethylamine, alpha, alpha-	
Dimethyl phenol, 2,4-	
Dimethylaminoazobenzene, p-	
Dimethylbenz-a-anthracene, 7,12-	7.3E+05
Dimethylbenzidine, 3,3'-	
Dimethylnaphthalene, 1,3-	
Dimethylphthalate	
Di-n-butyl phthalate	
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	
Dinitrobenzene, 1,4-	
Dinitrophenol, 2,4-	
Dinitrophenol, 2,5-	
Dinitrotoluene, 2,4-	
Dinitrotoluene, 2,6-	
Di-n-octyl phthalate	
Dinoseb	
Dioxane 1,4-	7.5E+05
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)	
Diphenyl ether	
Diphenylamine	
Diphenylhydrazine, 1,2-	7.0E+03
Dipropylene glycol	
Diquat	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	
Disulfoton	
Diuron	
Dodecylphenol, 4-	
Dodecylphenol, 4-	
Endosulfan	
Endosulfan I	
Endosulfan II	
Endosulfan sulfate	
Endothall	
Endrin	
Endrin aldehyde	
Endrin ketone	
Epichlorohydrin	9.1E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	
Esfenvalerate	
Ethalfluralin (sonolan)	
Ethanol	
Ethanol, 2-amino-	
Ethanol, 2-(2-aminoethoxy)-	
Ethanol, 2-(2-ethoxyethoxy)-	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Ethanol, 2-(methylamino)-	1.3E+05
Ethion	
Ethoprop	
Ethoxy ethanol, 2-	2.3E+02
Ethyl acetate	
Ethyl acrylate	
Ethyl benzene	2.1E+04
Ethyl dipropylthiocarbamate, S-	
Ethyl ether	
Ethyl methacrylate	1.3E+04
Ethyl methanesulfonate	2.3E+03
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	2.6E+03
Ethyl-1-hexanol, 2-	
Ethyl-2-hexenal, 2-	
Ethyl-2-methyl benzene, 1-	2.7E+04
Ethyl-4-methyl benzene, 1-	2.2E+04
Ethylene*	
Ethylene dibromide (dibromoethane, 1,2-)	1.5E+00
Ethylene glycol	
Ethylene oxide	5.5E+00
Ethylene thiourea	
Ethylenediamine	
Ethylenimine	1.8E+00
Ethylhexyl acrylate, 2-	
Famphur	
Fensulfothion	
Fenthion	
Fluoranthene	
Fluorene	
Fluorine (soluble fluoride)	
Fluorochloridone	
Fonofos	
Formaldehyde	1.1E+04
Formic acid	2.2E+03
Furan	
Furfural	
Glycidylaldehyde	2.1E+03
Glyphosate	
Heptachlor	1.9E+02
Heptachlor epoxide	2.2E+03
Heptane, n-	5.5E+04
Heptanoic acid, n-	2.1E+03
Hexachlorobenzene	4.2E+02
Hexachlorobutadiene	1.6E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	5.4E+02
Hexachlorocyclohexane, beta (beta-BHC)	4.2E+03
Hexachlorocyclohexane, delta (delta-BHC)	8.0E+03
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	
Hexachlorocyclohexane, techn (technical-BHC)	6.3E+03
Hexachlorocyclopentadiene	1.4E+02
Hexachloroethane	3.6E+04
Hexachlorophene	
Hexachloropropylene	1.2E+04
Hexanal, 2-ethyl-	
Hexane, n-	3.4E+02
Hexanediamine, 1,6-	
Hexanedinitrile	2.1E+04
Hexanediol, 1,6-	6.7E+07
Hexanoic acid	2.6E+03
Hexanone, 2-	2.0E+03
Hexazinone	
Hexene, 1-	2.0E+02

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Hexene, cis-2-	2.4E+02
Hexylene glycol (2-methyl-2,4-pentanediol)	
Hydrazine	6.4E+00
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)	4.1E+03
Hydrogen chloride (hydrochloric acid)*	
Hydroquinone	
Indene	2.6E+02
Indeno-1,2,3-cd-pyrene	8.4E+07
Iron*	
Isoamyl alcohol	
Isobutyl alcohol	
Isobutylene (2-methyl-1-propene)	1.2E+05
Isobutyric acid (2-methylpropanoic acid)	
Isodecanol	
Isodrin	6.1E+02
Isopentane	2.9E+04
Isophorone	
Isopropyl acetate	
Isopropyl alcohol	
Isosafrole	8.6E+02
Kelthane (dicofol)	
Kepone (chlordecone)	1.6E+04
Lead (inorganic)	
Leptophos	2.2E+04
Limonene, d-*	
Lithium[2]	
Magnesium*	
Malathion	8.0E+03
Maleic anhydride	
Maleic hydrazide	
Malononitrile	
Mancozeb	
Manganese	
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	
Mercuric chloride (pH = 4.9)	1.8E+00
Mercuric chloride (pH = 6.8)	4.9E+02
Mercury (pH = 4.9)[3]	1.8E+00
Merphos	
Methacrylic acid (2-methyl-2-propenoic acid)	
Methacrylonitrile	
Methanol	
Methapyrilene	
Methomyl	
Methoxychlor	
Methoxyethanol, 2-	2.9E+01
Methyl acetate (acetic acid, methyl ester)	
Methyl acrylate	
Methyl amyl ketone (2-heptanone)	2.8E+05
Methyl chrysene, 1-	9.2E+09
Methyl chrysene, 2-	9.2E+09
Methyl chrysene, 6-	7.3E+08
Methyl cyclohexane	1.2E+04
Methyl ethyl ketone (2-butanone)	6.2E+05
Methyl iodide (iodomethane)	
Methyl isobutyl ketone (4-methyl-2-pentanone)	1.1E+05
Methyl mercury	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Methyl methacrylate	1.5E+04
Methyl methanesulfonate	2.1E+03
Methyl parathion	
Methyl-1-butene, 2-	2.2E+04
Methyl-1-propanal, 2- (isobutyraldehyde)	
Methyl-2-butene, 2-	2.6E+04
Methyl-2-pentenal, 2-	
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	
Methylcholanthrene, 3-	9.8E+06
Methylene bromide (dibromomethane)	1.4E+02
Methylene chloride (dichloromethane)	3.6E+03
Methylene-bis (2-chloroaniline) 4,4'-	4.1E+05
Methylmecury hydroxide	
Methylnaphthalene, 1-	
Methylnaphthalene, 2-	
Methylpyrrolidone, N-	
Methylsytrene, alpha-	1.4E+03
Methyltetrahydrofuran, 2-	2.7E+02
Methyltetrahydropyran, 2-	3.7E+02
Metolachlor	
Metribuzin	
Mirex	
Molinate	
Molybdenum	
Monocrotophos	
Morpholine	
Morpholine, N-butyl-	
MTBE (methyl tert-butyl ether)	6.6E+02
Naled	
Naphthalene	1.3E+03
Naphthoquinone, 1,4-	
Naphthylamine, 1-	
Naphthylamine, 2-	
Napropamide	
Neopentyl glycol	
Nickel and compounds	
Nitrate	
Nitrite	
Nitroaniline, 2-	7.7E+02
Nitroaniline, 3-	1.1E+03
Nitroaniline, 4-	2.2E+04
Nitrobenzene	3.4E+02
Nitroglycerin	
Nitrophenol, 2-	
Nitrophenol, 3-	
Nitrophenol, 4-	
Nitropropane, 2-	2.3E-01
Nitroquinoline-N-oxide, 4-	1.3E+04
Nitrosodiethanolamine	
Nitrosodiethylamine, n-	9.7E-01
Nitrosodimethylamine, n-	2.7E+00
Nitrosodi-n-butylamine, n-	3.4E+00
Nitrosodi-n-propylamine, n-	
Nitrosodiphenylamine	
Nitroso-methyl-ethyl-amine, n-	
Nitrosomorpholine, N-	3.4E+01
Nitroso-n-ethylurea, n-	
Nitrosopiperidine, N-	2.3E+01
Nitrosopyrrolidine, n-	1.2E+02
Nitrotoluene, m-	
Nitrotoluene, o-	
Nitrotoluene, p-	
Nonachlor, cis-	2.4E+05

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Nonachlor, trans-	2.4E+05
Nonanal	
Nonene, 1-n	
Nonylphenol	
Nonylphenol	
Nonylphenol	
Nonylphenol ethoxylate	
Octamethylpyrophosphoramide	
Octanone	2.3E+06
Oxamyl	
Oxychlordane	2.4E+05
Paraquat	
Parathion (ethyl parathion)	
Pebulate	
Pendimethalin	
Pentachlorobenzene	
Pentachloroethane	1.8E+02
Pentachloronitrobenzene	
Pentachlorophenol	
Pentadiene, 1,3-cis-	3.6E+04
Pentadiene, 1,3-trans-	4.3E+04
Pentaerythritol tetranitrate (PETN)	
Pentane	5.2E+03
Pentane, 2-methyl-	2.9E+04
Pentane, 3-methyl-	3.1E+04
Pentanediol, 1,5-	5.7E+07
Pentanol, 1-	
Pentanol, 4-methyl-2-	
Pentanone, 2-	
Pentene, 2-	2.9E+04
Pentyne, 1-	4.0E+04
Perchlorate	
Perylene	
Phenacetin	2.3E+05
Phenanthrene	
Phenanthridine	
Phenol	
Phenol, 4-tert-butyl-	
Phenothiazine	
Phenyl mercuric acetate	
Phenylene diamine, m-	
Phenylene diamine, p-	
Phorate	
Phosalone	
Phosdrin (mevinphos)	
Phosmet	
Phosphine	
Phosphorotrithioic acid, S,S,S-tributyl ester	
Phosphorus, total*	
Phosphorus, white	
Phthalic anhydride	1.0E+06
Picloram	
Picoline, 2- (2-methylpyridine)	
Polybrominated biphenyls (PBBs)	
Polychlorinated biphenyls (PCBs)	4.0E+03
Potassium*	
Primene	
Prometon (pramitol)	
Pronamide	
Propanal (propionaldehyde)	2.1E+02
Propane, 1-bromo-	
Propanil	
Propanoic acid (propionic acid)	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Propanol, 1-	
Propargite	
Propargyl alcohol	
Propazine	
Propham	
Propionitrile (propane nitrile)	
Propyl acetate, n-	
Propylbenzene, n-	1.8E+04
Propylene glycol	6.2E+03
Propylene glycol monomethyl ether	3.6E+06
Propylene oxide	2.0E+02
Propylene tetramer	2.9E+04
Prothiofos (Tokuthion)	
Pyrene	
Pyridine	
Quinoline	
Ronnel	
Safrole	4.8E+02
Selenium	
Selenourea	
Silver	
Simazine	
Sodium*	
Sodium diethyldithiocarbamate	
Sodium hypochlorite	
Sodium polyacrylate	1.9E+03
Strontium	
Strychnine	
Styrene	3.2E+04
Sulfate*	
Sulfide*	
Sulfolane	1.6E+04
Sulfur*	
Sulprofos (Bolstar)	
Tebuconazole	
Tebuthiuron	
Terbufos	
Tert-amyl ethyl ether (TAEE)	
Tert-amyl-methyl ether (TAME)	
Tert-butyl alcohol (2-methyl-2-propanol)	
Tetrachlorobenzene, 1,2,3,4-	
Tetrachlorobenzene, 1,2,3,5-	
Tetrachlorobenzene, 1,2,4,5-	
Tetrachloroethane, 1,1,1,2-	2.9E+02
Tetrachloroethane, 1,1,2,2-	
Tetrachloroethylene	3.2E+02
Tetrachlorophenol, 2,3,4,5-	
Tetrachlorophenol, 2,3,4,6-	
Tetrachlorophenol, 2,3,5,6-	
Tetrachlorvinphos (Stirophos)	
Tetradifon	
Tetraethyl dithiopyrophosphate (sulfotep)	
Tetraethyl lead	
Tetraethyl pyrophosphate (TEPP)	
Tetraethylene glycol	
Tetrahydrofuran	3.0E+02
Tetrahydropyran	3.8E+02
Tetraoxadodecane, 2,5,8,11-	
Thallium and compounds (as thallium chloride)	
Thiofanox	
Thionazin	
Thiophanate-methyl	
Thiram	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
Tin	
Titanium	
Toluene	3.4E+04
Toluene diisocyanate, 2,4/2,6-	1.1E+04
Toluenediamine, 2,4-	
Toluenediamine, 2,6-	
Toluidine, o-	1.7E+03
Toluidine, p-	
Toxaphene	4.4E+05
TPH, TX1005, C6-C12	7.6E+03
TPH, TX1005, >C12-C28	9.8E+04
TPH, TX1005, >C12-C35	9.8E+04
TPH, TX1005, >C28-C35	9.8E+04
TP Silvex, 2,4,5-	
Triademenol	
Triallate	
Triaminotrinitrobenzene (TATB)	
Tributyltin oxide	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	6.5E+04
Trichlorobenzene, 1,2,3-	3.1E+03
Trichlorobenzene, 1,2,4-	6.9E+02
Trichlorobenzene, 1,3,5-	6.7E+02
Trichloroethane, 1,1,1-	2.1E+04
Trichloroethane, 1,1,2-	2.1E+01
Trichloroethylene	1.0E+01
Trichlorofluoromethane	
Trichloronate	
Trichlorophenol, 2,3,4-	
Trichlorophenol, 2,3,5-	
Trichlorophenol, 2,3,6-	
Trichlorophenol, 2,4,5-	
Trichlorophenol, 2,4,6-	2.3E+04
Trichlorophenol, 3,4,5-	
Trichlorophenoxyacetic acid, 2,4,5-	
Trichloropropane, 1,1,2-	2.1E+00
Trichloropropane, 1,2,3-	3.7E+01
Triethanolamine	
Triethylamine	1.0E+02
Triethylene glycol	
Triethylphosphorothioate, O, O, O-	
Trifluralin	
Trimethylamine	2.8E+02
Trimethylbenzene, 1,2,3-	3.1E+02
Trimethylbenzene, 1,2,4-	4.9E+02
Trimethylbenzene, 1,3,5-	3.5E+02
Trinitrobenzene, 1,3,5-	
Trinitrophenylmethylnitramine (tetryl; nitramine)	
Trinitrotoluene, 2,4,6-	
Uranium (soluble salts)	
Valeric acid (pentanoic acid)	2.5E+03
Vanadium	
Vernam	
Vinyl acetate	2.0E+03
Vinyl chloride	2.7E+00
Vinylcyclohexane	
Warfarin	
Xylene, m-	7.2E+03
Xylene, o-	3.5E+05
Xylene, p-	9.1E+03
Xylenes	8.1E+03
Zinc	
Footnotes	

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Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ 30 acre source area (mg/kg)
[1]For subsurface soils only	
[2]Please contact the TCEQ for assistance in determining a	
[3]Note that much higher PCLs for mercury may be obtaine	
[4]Asbestos URF and soil PCLs removed. Contact your TC	
*These compounds are not necessarily of concern from a Health PCL is Not Required" available on the TCEQ web	
NA = not applicable	
All values capped at 1E+06	

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Acenaphthene									6.1E+04	9.4E+04			7.1E+02	3.5E+02	7.1E+04	3.5E+04
Acenaphthylene									6.1E+04	9.4E+04			1.2E+03	6.1E+02	1.2E+05	6.1E+04
Acetaldehyde	2.9E+02	1.5E+02			2.9E+02	1.5E+02	2.0E+02	1.0E+02	1.0E+05		2.0E+02	1.0E+02	1.5E+01	7.4E+00	1.5E+03	7.4E+02
Acetate, 2-ethoxyethanol							8.4E+03	4.3E+03	1.0E+05		8.4E+03	4.3E+03	1.6E+01	8.0E+00	1.6E+03	8.0E+02
Acetate, isoamyl									7.4E+04				2.6E+01	1.3E+01	2.6E+03	1.3E+03
Acetate, isobutyl									4.9E+04				1.1E+01	5.5E+00	1.1E+03	5.5E+02
Acetate, sec-butyl									4.9E+04				1.2E+01	5.9E+00	1.2E+03	5.9E+02
Acetic acid*																
Acetone (2-propanone)							8.4E+05	4.3E+05	9.2E+05		8.4E+05	4.3E+05	1.3E+02	6.4E+01	1.3E+04	6.4E+03
Acetone cyanohydrin							6.1E+03	3.1E+03	3.1E+03	6.1E+03	6.1E+03	3.1E+03	4.3E-01	2.1E-01	4.3E+01	2.1E+01
Acetonitrile							1.8E+03	9.4E+02	3.3E+04		1.8E+03	9.4E+02	4.5E+00	2.3E+00	4.5E+02	2.3E+02
Acetophenone									1.0E+05	2.0E+05			2.5E+01	1.2E+01	2.5E+03	1.2E+03
Acetylaminofluorene, 2-	3.1E+01	1.6E+01	7.5E+00	1.5E+01	3.1E+01	1.6E+01							1.0E-02	5.1E-03	1.0E+00	5.1E-01
Acifluorfen, sodium									1.3E+04	2.7E+04			6.1E+00	3.1E+00	6.1E+02	3.1E+02
Acridine									3.1E+03	6.1E+03			2.3E+01	1.1E+01	2.3E+03	1.1E+03
Acrolein							3.9E+01	2.0E+01	5.1E+02		4.0E+01	2.0E+01	7.1E-02	3.5E-02	7.1E+00	3.5E+00
Acrylamide	4.7E+01	2.4E+01	5.7E+01	1.1E+02	4.7E+01	2.4E+01	1.0E+03	5.2E+02	2.0E+03	4.1E+03	1.0E+03	5.2E+02	7.9E-03	3.9E-03	7.9E-01	3.9E-01
Acrylic acid							1.7E+02	8.7E+01	5.1E+05		1.7E+02	8.7E+01	7.2E+01	3.6E+01	7.2E+03	3.6E+03
Acrylonitrile	8.8E+00	4.6E+00	5.3E+01		8.8E+00	4.6E+00	4.3E+01	2.2E+01	1.0E+03		4.3E+01	2.2E+01	7.5E-03	3.7E-03	7.5E-01	3.7E-01
Adipic acid (hexanedioic acid)									2.0E+06	4.1E+06			2.8E+02	1.4E+02	2.8E+04	1.4E+04
Alachlor			3.6E+02	7.2E+02					1.0E+04	2.0E+04			1.9E-02	9.5E-03	1.9E+00	9.5E-01
Aldicarb									1.0E+03	2.0E+03			1.8E-02	8.9E-03	1.8E+00	8.9E-01
Aldicarb sulfone									1.0E+03	2.0E+03			1.4E-02	6.9E-03	1.4E+00	6.9E-01
Aldrin	1.4E+01	7.2E+00	1.7E+00	3.4E+00	1.4E+01	7.2E+00			3.1E+01	6.1E+01			2.3E-01	1.2E-01	2.3E+01	1.2E+01
Allyl alcohol							8.0E+00	4.1E+00	5.1E+03		8.0E+00	4.1E+00	7.5E-01	3.7E-01	7.5E+01	3.7E+01
Allyl chloride							2.1E+01	1.1E+01	1.0E+04		2.1E+01	1.1E+01	3.0E+00	1.5E+00	3.0E+02	1.5E+02
Aluminum							6.8E+06	3.5E+06	1.0E+06	2.0E+06			5.2E+05	2.6E+05	5.2E+07	2.6E+07
Ametryn									9.2E+03	1.8E+04			2.1E+01	1.1E+01	2.1E+03	1.1E+03
Amino-2,6-dinitrotoluene, 4-			2.9E+03	5.7E+03					1.7E+02	3.4E+02			2.0E-01	1.0E-01	2.0E+01	1.0E+01
Amino-4,6-dinitrotoluene, 2-			2.9E+03	5.7E+03					1.7E+02	3.4E+02			3.0E-01	1.5E-01	3.0E+01	1.5E+01
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)			4.7E+00	9.4E+00									2.4E-02	1.2E-02	2.4E+00	1.2E+00
Aminopyridine, 4-									2.0E+01	4.1E+01			2.8E-03	1.4E-03	2.8E-01	1.4E-01
Ammonia							2.1E+03	1.1E+03			2.1E+03	1.1E+03				
Ammonium polyphosphate*																
Ammonium salts*																
Aniline			5.0E+03	1.0E+04			1.8E+02	9.4E+01	7.2E+03	1.4E+04	1.8E+02	9.4E+01	8.2E-01	4.1E-01	8.2E+01	4.1E+01
Anthracene									3.1E+05	4.7E+05			2.1E+04	1.0E+04	2.1E+06	1.0E+06
Anthraquinone, 9,10-			7.3E+02	1.5E+03					2.0E+04	4.1E+04			2.5E+00	1.3E+00	2.5E+02	1.3E+02
Antimony									4.1E+02	1.2E+03			5.4E+00	2.7E+00	5.4E+02	2.7E+02
Aramite	5.3E+06	2.7E+06	1.1E+03	2.3E+03					5.1E+04	1.0E+05						
Arsenic	8.8E+03	4.5E+03	2.4E+02	1.3E+03					3.9E+02	2.0E+03			5.0E+00	2.5E+00	5.0E+02	2.5E+02
Arsine							1.1E+00	5.5E-01			1.1E+00	5.5E-01				
Asbestos[4]																
Atrazine			1.3E+02	2.6E+02					3.6E+04	7.2E+04			2.5E-02	1.2E-02	2.5E+00	1.2E+00
Azinphos-methyl (guthion)									1.5E+03	3.1E+03			1.3E+00	6.6E-01	1.3E+02	6.6E+01
Azobenzene	2.3E+03	1.2E+03	2.6E+02	5.2E+02	2.3E+03	1.2E+03							4.0E+01	2.0E+01	4.0E+03	2.0E+03
Barium									2.0E+05	2.9E+05			4.4E+02	2.2E+02	4.4E+04	2.2E+04
Bayleton									3.1E+04	6.1E+04			2.2E+01	1.1E+01	2.2E+03	1.1E+03
Benefin (benfluralin)									3.1E+05	6.1E+05			1.5E+05	7.3E+04	1.5E+07	7.3E+06
Benomyl									5.1E+04	1.0E+05			9.1E+00	4.6E+00	9.1E+02	4.6E+02

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Benz-a-anthracene	6.2E+03	3.2E+03	3.9E+01	6.0E+01	6.3E+03	3.2E+03							4.0E+01	2.0E+01	4.0E+03	2.0E+03
Benzaldehyde									1.0E+05				3.1E+01	1.6E+01	3.1E+03	1.6E+03
Benzene	2.7E+02	1.4E+02	1.9E+03		2.7E+02	1.4E+02	6.0E+03	3.1E+03	4.1E+03		6.0E+03	3.1E+03	2.6E-02	1.3E-02	2.6E+00	1.3E+00
Benzenedicarbonitrile, 1,3-									6.1E+03	1.2E+04			9.7E-01	4.9E-01	9.7E+01	4.9E+01
Benzenedicarboxylic acid, 1,2-disodecyl ester							6.0E+06	3.1E+06	4.1E+04		5.1E+07	2.6E+07	2.9E+09	1.4E+09	2.9E+11	1.4E+11
Benzenethiol									1.0E+03				2.0E-01	1.0E-01	2.0E+01	1.0E+01
Benzidine	1.1E-01	5.4E-02	1.2E-01	2.5E-01	1.1E-01	5.4E-02			3.1E+03	6.1E+03			2.4E-05	1.2E-05	2.4E-03	1.2E-03
Benzo-a-pyrene	1.4E+03	7.1E+02	3.9E+00	6.0E+00	1.4E+03	7.3E+02							7.6E+00	3.8E+00	7.6E+02	3.8E+02
Benzo-b-fluoranthene	1.0E+04	5.2E+03	3.9E+01	6.0E+01	1.0E+04	5.3E+03							1.3E+02	6.7E+01	1.3E+04	6.7E+03
Benzo-e-pyrene									3.1E+04	4.7E+04			3.4E+05	1.7E+05	3.4E+07	1.7E+07
Benzo-g,h,i-perylene									3.1E+04	4.7E+04			1.4E+05	6.9E+04	1.4E+07	6.9E+06
Benzoic acid									4.1E+06	8.2E+06			5.7E+02	2.8E+02	5.7E+04	2.8E+04
Benzo-j-fluoranthene	5.4E+03	2.8E+03	3.9E+01	6.0E+01	5.4E+03	2.8E+03							5.9E+01	2.9E+01	5.9E+03	2.9E+03
Benzo-k-fluoranthene	2.4E+05	1.2E+05	3.9E+02	6.0E+02	2.6E+05	1.3E+05							1.4E+03	6.9E+02	1.4E+05	6.9E+04
Benzophenone									6.8E+03	1.4E+04			5.1E+01	2.5E+01	5.1E+03	2.5E+03
Benzotrichloride			2.2E+00	4.4E+00									9.5E-03	4.7E-03	9.5E-01	4.7E-01
Benzoyl peroxide									5.1E+04	1.0E+05			1.6E+02	8.1E+01	1.6E+04	8.1E+03
Benzyl alcohol									1.0E+05	2.0E+05			1.7E+01	8.7E+00	1.7E+03	8.7E+02
Benzyl chloride			1.7E+02				4.3E+01	2.2E+01	2.0E+03		4.3E+01	2.2E+01	1.1E-01	5.6E-02	1.1E+01	5.6E+00
Benzyl dichloride			1.7E+02	3.4E+02			7.7E+01	4.0E+01	2.0E+03	4.1E+03	7.7E+01	4.0E+01	1.4E-01	7.1E-02	1.4E+01	7.1E+00
Beryllium	1.6E+04	8.1E+03					2.7E+04	1.4E+04	2.0E+03	2.9E+02			1.8E+00	9.2E-01	1.8E+02	9.2E+01
Biphenyl, 1,1-									5.1E+04	1.0E+05			7.6E+02	3.8E+02	7.6E+04	3.8E+04
Biphenyl, 1,1'-, 2-phenoxy-									5.1E+04				2.2E+05	1.1E+05	2.2E+07	1.1E+07
Biquinoline, 2,2'-									3.1E+03	6.1E+03			8.0E+01	4.0E+01	8.0E+03	4.0E+03
Bis (2-chloroethoxy) methane	1.9E+01	9.8E+00	2.6E+01	5.2E+01	1.9E+01	9.8E+00			3.1E+03	6.1E+03			2.6E-02	1.3E-02	2.6E+00	1.3E+00
Bis (2-chloroethyl) ether	6.0E+00	3.1E+00	2.6E+01		6.0E+00	3.1E+00							4.7E-03	2.4E-03	4.7E-01	2.4E-01
Bis (2-chloroisopropyl) ether	3.5E+02	1.8E+02	4.1E+02	8.2E+02	3.5E+02	1.8E+02			4.1E+04	8.2E+04			4.3E-01	2.1E-01	4.3E+01	2.1E+01
Bis (2-chloromethyl) ether	9.7E-03	5.0E-03	1.3E-01		9.7E-03	5.0E-03							1.8E-05	9.2E-06	1.8E-03	9.2E-04
Bis (2-ethyl-hexyl) phthalate			2.0E+03	7.8E+02					2.0E+04	7.8E+03			1.6E+02	8.2E+01	1.6E+04	8.2E+03
Bismuth									5.1E+05	2.0E+06						
Bisphenol A									5.1E+04	1.0E+05			8.7E+01	4.4E+01	8.7E+03	4.4E+03
Boron[2]							2.7E+07	1.4E+07	2.0E+05	4.1E+06						
Bromacil									1.0E+05	2.0E+05			5.1E+01	2.6E+01	5.1E+03	2.6E+03
Bromo-2-chloroethane, 1-									4.1E+04				1.0E+01	5.2E+00	1.0E+03	5.2E+02
Bromobenzene							1.4E+03	7.0E+02	8.2E+03		1.4E+03	7.0E+02	6.9E+00	3.4E+00	6.9E+02	3.4E+02
Bromodichloromethane			4.6E+02						2.0E+04				1.5E-01	7.3E-02	1.5E+01	7.3E+00
Bromoform	1.4E+03	7.2E+02	3.6E+03		1.4E+03	7.2E+02			2.0E+04				1.4E+00	7.1E-01	1.4E+02	7.1E+01
Bromomethane							1.1E+02	5.5E+01	1.4E+03		1.1E+02	5.5E+01	3.9E-01	2.0E-01	3.9E+01	2.0E+01
Bromophenyl phenylether, 4-	1.6E+01	8.4E+00	1.9E+00	3.8E+00	1.6E+01	8.4E+00							7.9E-01	4.0E-01	7.9E+01	4.0E+01
Butadiene, 1,3-	1.2E+03	6.2E+02			1.2E+03	6.2E+02	7.1E+02	3.6E+02			7.1E+02	3.6E+02				
Butadiene, 2-methyl-1,3- (isoprene)							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	3.3E+01	1.7E+01	3.3E+03	1.7E+03
Butanal (butyraldehyde)									6.1E+04				9.4E+00	4.7E+00	9.4E+02	4.7E+02
Butane, 2,3-dimethyl-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	8.5E+02	4.2E+02	8.5E+04	4.2E+04
Butanoic acid (butyric acid)							1.8E+02	9.3E+01	5.1E+05	1.0E+06	1.8E+02	9.3E+01	7.0E+01	3.5E+01	7.0E+03	3.5E+03
Butanol, 1-, 2-Me-									1.0E+04				1.8E+00	8.9E-01	1.8E+02	8.9E+01
Butanol, 2-							2.0E+06	1.0E+06	2.0E+06		2.0E+06	1.0E+06	3.1E+02	1.6E+02	3.1E+04	1.6E+04
Butanol, 2-methyl-2-									1.0E+04				1.8E+00	8.8E-01	1.8E+02	8.8E+01
Butanol, n-									1.0E+05				1.6E+01	7.9E+00	1.6E+03	7.9E+02
Butene, 1-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	1.3E+02	6.6E+01	1.3E+04	6.6E+03
Butene, cis-2-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	9.6E+01	4.8E+01	9.6E+03	4.8E+03

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Butene, trans-2-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	9.6E+01	4.8E+01	9.6E+03	4.8E+03
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)							4.1E+05	2.1E+05	1.0E+05	2.0E+05	4.1E+05	2.1E+05	1.8E+01	8.8E+00	1.8E+03	8.8E+02
Butyl acetate							1.5E+04	7.9E+03	1.4E+05		1.5E+04	7.9E+03	3.1E+01	1.5E+01	3.1E+03	1.5E+03
Butyl acrylate									9.2E+03				3.1E+00	1.5E+00	3.1E+02	1.5E+02
Butyl benzyl phthalate			1.5E+04	3.0E+04					2.0E+05	4.1E+05			5.9E+02	3.0E+02	5.9E+04	3.0E+04
Butyl ether, n- (dibutyl ether)									1.0E+05				1.3E+02	6.5E+01	1.3E+04	6.5E+03
Butyl methacrylate									9.2E+04				7.8E+01	3.9E+01	7.8E+03	3.9E+03
Butylate									5.1E+04	1.0E+05			2.5E+01	1.3E+01	2.5E+03	1.3E+03
Butylbenzene, n-									5.1E+04	1.0E+05			4.5E+02	2.3E+02	4.5E+04	2.3E+04
Butylbenzene, sec-									4.1E+04				2.5E+02	1.3E+02	2.5E+04	1.3E+04
Butylbenzene, tert-									4.1E+04				3.0E+02	1.5E+02	3.0E+04	1.5E+04
Cacodylic acid									3.1E+03	6.1E+03			4.4E-01	2.2E-01	4.4E+01	2.2E+01
Cadmium	2.1E+04	1.1E+04							1.0E+03	5.1E+03			1.5E+00	7.5E-01	1.5E+02	7.5E+01
Calcium*																
Caprolactam									5.1E+05	1.0E+06			1.4E+02	7.0E+01	1.4E+04	7.0E+03
Captan			8.2E+03	1.6E+04					1.3E+05	2.7E+05			1.5E+02	7.5E+01	1.5E+04	7.5E+03
Carbaryl									1.0E+05	2.0E+05			8.2E+01	4.1E+01	8.2E+03	4.1E+03
Carbazole			1.4E+03	2.9E+03									1.0E+01	5.1E+00	1.0E+03	5.1E+02
Carbofuran									5.1E+03	1.0E+04			1.2E-01	6.2E-02	1.2E+01	6.2E+00
Carbon disulfide							1.5E+04	7.7E+03	1.0E+05		1.5E+04	7.7E+03	4.1E+01	2.0E+01	4.1E+03	2.0E+03
Carbon tetrachloride	1.0E+02	5.2E+01	4.1E+02		1.0E+02	5.2E+01	2.1E+03	1.1E+03	4.1E+03		2.1E+03	1.1E+03	6.2E-02	3.1E-02	6.2E+00	3.1E+00
Carbophenothion									1.3E+04	2.7E+04			4.4E+03	2.2E+03	4.4E+05	2.2E+05
Carbosulfan									1.0E+04	2.0E+04			7.5E+02	3.8E+02	7.5E+04	3.8E+04
Carboxin									1.0E+05	2.0E+05			2.6E+02	1.3E+02	2.6E+04	1.3E+04
Chloral									1.0E+05				1.6E+01	7.9E+00	1.6E+03	7.9E+02
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)									1.0E+05	2.0E+05			1.6E+01	7.8E+00	1.6E+03	7.8E+02
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)									1.5E+04	3.1E+04			1.1E+01	5.6E+00	1.1E+03	5.6E+02
Chlordane (technical)	2.1E+03	1.1E+03	8.2E+01	4.1E+02	2.1E+03	1.1E+03	5.2E+03	2.7E+03	5.1E+02	2.6E+03	5.2E+03	2.7E+03	9.6E+00	4.8E+00	9.6E+02	4.8E+02
Chlordane, cis- (alpha chlordane)	6.8E+03	3.5E+03	8.2E+01	1.6E+02	6.9E+03	3.5E+03	1.7E+04	8.7E+03	5.1E+02	1.0E+03	1.7E+04	8.9E+03	1.7E+03	8.3E+02	1.7E+05	8.3E+04
Chlordane, gamma	1.6E+03	8.3E+02	8.2E+01	1.6E+02	1.6E+03	8.4E+02	4.0E+03	2.1E+03	5.1E+02	1.0E+03	4.1E+03	2.1E+03	9.2E+01	4.6E+01	9.2E+03	4.6E+03
Chlorfenvinphos							4.3E+01	2.2E+01	7.2E+02	1.4E+03	4.3E+01	2.2E+01	2.7E+00	1.4E+00	2.7E+02	1.4E+02
Chloride*																
Chlorine							3.2E+00	1.7E+00	1.0E+05	4.1E+05	3.2E+00	1.7E+00				
Chloro-1,3-butadiene, 2-	2.0E+00	1.0E+00			2.0E+00	1.0E+00	4.3E+02	2.2E+02			4.3E+02	2.2E+02				
Chloro-2-propanol, 1-									2.0E+04				3.2E+00	1.6E+00	3.2E+02	1.6E+02
Chloro-3-methylphenol, 4-									5.1E+03	1.0E+04			1.4E+01	6.8E+00	1.4E+03	6.8E+02
Chloroaniline, p-			1.4E+02	2.9E+02					4.1E+03	8.2E+03			4.7E-02	2.3E-02	4.7E+00	2.3E+00
Chlorobenzene							1.1E+03	5.5E+02	2.0E+04		1.1E+03	5.5E+02	1.1E+00	5.5E-01	1.1E+02	5.5E+01
Chlorobenzilate	5.9E+02	3.0E+02	1.1E+02	2.1E+02	5.9E+02	3.0E+02			2.0E+04	4.1E+04			2.6E-01	1.3E-01	2.6E+01	1.3E+01
Chlorobromomethane (bromochloromethane)									4.1E+04				9.1E+00	4.5E+00	9.1E+02	4.5E+02
Chlorodifluoromethane							1.1E+06	5.5E+05			1.1E+06	5.5E+05				
Chloroethane (ethyl chloride)							2.1E+05	1.1E+05	4.1E+05		2.1E+05	1.1E+05	9.2E+01	4.6E+01	9.2E+03	4.6E+03
Chloroethanol, 2-									4.1E+05				5.8E+01	2.9E+01	5.8E+03	2.9E+03
Chloroethoxy ethene, 2- (2-chloroethylvinylether)			2.6E+01				6.4E+00	3.3E+00	2.0E+03		6.4E+00	3.3E+00	6.5E-03	3.2E-03	6.5E-01	3.2E-01
Chloroform	2.6E+01	1.3E+01			2.6E+01	1.3E+01	2.1E+03	1.1E+03	1.0E+04		2.1E+03	1.1E+03	3.0E+00	1.5E+00	3.0E+02	1.5E+02
Chlorohexane, 1-							2.1E+04	1.1E+04	4.1E+04		2.1E+04	1.1E+04	1.2E+02	5.9E+01	1.2E+04	5.9E+03

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	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Chloromethane (methyl chloride)	3.3E+02	1.7E+02	2.2E+03		3.3E+02	1.7E+02	1.9E+03	9.9E+02			1.9E+03	9.9E+02	9.1E-01	4.5E-01	9.1E+01	4.5E+01
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)									8.2E+04	1.3E+05			2.2E+03	1.1E+03	2.2E+05	1.1E+05
Chloronaphthalene, 2- (chloronaphthalene, beta)									8.2E+04	1.3E+05			2.0E+03	1.0E+03	2.0E+05	1.0E+05
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)			4.5E+03	9.1E+03			8.8E+01	4.5E+01	1.0E+03	2.0E+03	8.8E+01	4.5E+01	4.6E-01	2.3E-01	4.6E+01	2.3E+01
Chlorophenol, 2-									5.1E+03				4.9E+00	2.4E+00	4.9E+02	2.4E+02
Chlorophenol, 3-									5.1E+03	1.0E+04			2.3E+00	1.2E+00	2.3E+02	1.2E+02
Chlorophenol, 4-									5.1E+03	1.0E+04			2.5E+00	1.2E+00	2.5E+02	1.2E+02
Chlorophenyl phenylether, 4-	4.2E+00	2.2E+00	1.9E+00	3.8E+00	4.2E+00	2.2E+00							7.2E-02	3.6E-02	7.2E+00	3.6E+00
Chloropropane, 2-							2.1E+03	1.1E+03	3.1E+04		2.1E+03	1.1E+03	1.6E+01	8.1E+00	1.6E+03	8.1E+02
Chlorothalonil			2.6E+03	5.2E+03					1.5E+04	3.1E+04			1.8E+01	9.1E+00	1.8E+03	9.1E+02
Chlorotoluene, o- (2-chlorotoluene)							1.8E+04	9.5E+03	2.0E+04	4.1E+04	1.8E+04	9.5E+03	2.7E+01	1.4E+01	2.7E+03	1.4E+03
Chlorotoluene, p- (4-chlorotoluene)									2.0E+04				3.2E+01	1.6E+01	3.2E+03	1.6E+03
Chlorpyrifos									3.1E+03	6.1E+03			4.4E+01	2.2E+01	4.4E+03	2.2E+03
Chromium (III)							1.9E+05	9.8E+04	1.5E+06	4.0E+05			2.4E+03	1.2E+03	2.4E+05	1.2E+05
Chromium (total)							1.9E+05	9.8E+04	1.5E+06	4.0E+05			2.4E+03	1.2E+03	2.4E+05	1.2E+05
Chromium (VI)	3.2E+03	1.6E+03					1.4E+05	7.0E+04	3.1E+03	1.5E+03			2.8E+01	1.4E+01	2.8E+03	1.4E+03
Chrysene	9.7E+05	5.0E+05	3.9E+03	6.0E+03	9.9E+05	5.1E+05							3.5E+03	1.7E+03	3.5E+05	1.7E+05
Cobalt	4.2E+03	2.2E+03					8.1E+03	4.2E+03	3.1E+02	6.1E+03			2.0E+01	9.9E+00	2.0E+03	9.9E+02
Copolymer acrylamide									2.0E+02	4.1E+02			2.8E-02	1.4E-02	2.8E+00	1.4E+00
Copper									4.1E+04	8.2E+05			1.0E+03	5.2E+02	1.0E+05	5.2E+04
Coronene									2.0E+03	4.1E+03			1.7E+05	8.4E+04	1.7E+07	8.4E+06
Coumaphos									7.2E+03	1.4E+04			3.3E+02	1.6E+02	3.3E+04	1.6E+04
Cresol									5.1E+04	1.0E+05			2.0E+01	9.9E+00	2.0E+03	9.9E+02
Cresol, m- (3-methylphenol)									5.1E+04	1.0E+05			2.0E+01	9.9E+00	2.0E+03	9.9E+02
Cresol, o- (2-methylphenol)									5.1E+04	1.0E+05			2.1E+01	1.1E+01	2.1E+03	1.1E+03
Cresol, p- (4-methylphenol)									5.1E+03	1.0E+04			1.9E+00	9.4E-01	1.9E+02	9.4E+01
Crotonaldehyde			1.5E+01						1.0E+03				2.1E-03	1.1E-03	2.1E-01	1.1E-01
Cumene (isopropylbenzene)							1.3E+04	6.7E+03	1.0E+05		1.3E+04	6.7E+03	1.0E+03	5.2E+02	1.0E+05	5.2E+04
Cyanazine			3.4E+01	6.8E+01					2.0E+03	4.1E+03			9.4E-03	4.7E-03	9.4E-01	4.7E-01
Cyanide							1.1E+06	5.6E+05	6.1E+02	1.2E+04			4.0E+01	2.0E+01	4.0E+03	2.0E+03
Cyanogen							1.7E+01	8.8E+00	1.0E+03		1.7E+01	8.8E+00	1.8E-01	9.1E-02	1.8E+01	9.1E+00
Cycloate									5.6E+04	1.1E+05			4.5E+02	2.3E+02	4.5E+04	2.3E+04
Cyclohexane							1.3E+05	6.6E+04	5.1E+06		1.3E+05	6.6E+04	1.8E+04	8.8E+03	1.8E+06	8.8E+05
Cyclohexanol									5.1E+06	1.0E+07			8.8E+02	4.4E+02	8.8E+04	4.4E+04
Cyclohexanone							4.9E+04	2.5E+04	5.1E+06		4.9E+04	2.5E+04	7.8E+02	3.9E+02	7.8E+04	3.9E+04
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)							7.1E+03	3.6E+03	2.2E+04		7.1E+03	3.6E+03	9.1E+01	4.6E+01	9.1E+03	4.6E+03
Cyclohexene-1-methanol, 3-									2.0E+04				1.1E+01	5.6E+00	1.1E+03	5.6E+02
Cyclopentane							5.2E+05	2.7E+05	6.1E+04		5.2E+05	2.7E+05	8.4E+01	4.2E+01	8.4E+03	4.2E+03
Cyclopentane, methyl-							2.1E+04	1.1E+04	1.0E+05		2.1E+04	1.1E+04	4.1E+02	2.0E+02	4.1E+04	2.0E+04
Cyclopentene									5.1E+06				3.2E+03	1.6E+03	3.2E+05	1.6E+05
Cyclotetramethylenetetranitramine (HMX)									5.1E+04	1.5E+04			7.0E+00	3.5E+00	7.0E+02	3.5E+02
Cyclotrimethylenetrinitramine (RDX)			2.6E+02	5.2E+02					3.1E+03	6.1E+03			8.3E-02	4.1E-02	8.3E+00	4.1E+00
Cymene (isopropyltoluene)									1.0E+05				6.9E+02	3.5E+02	6.9E+04	3.5E+04
Cymoxanil									1.3E+04	2.7E+04			1.8E+00	9.1E-01	1.8E+02	9.1E+01
Dacthal (DCPA)									1.0E+04	2.0E+04			1.4E+03	6.8E+02	1.4E+05	6.8E+04
Dalapon, sodium salt (2,2-dichloropropanoic acid)									3.1E+04	6.1E+04			5.8E-01	2.9E-01	5.8E+01	2.9E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
DDD			1.2E+02	7.9E+02									2.9E+01	1.5E+01	2.9E+03	1.5E+03
DDE			8.4E+01	5.6E+02									2.6E+01	1.3E+01	2.6E+03	1.3E+03
DDT	2.0E+03	1.0E+03	8.4E+01	5.6E+02	2.0E+03	1.0E+03			5.1E+02	3.4E+03			3.3E+01	1.7E+01	3.3E+03	1.7E+03
Demeton									4.1E+01	8.2E+01			3.7E-02	1.9E-02	3.7E+00	1.9E+00
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)									4.1E+04	8.2E+04			5.8E+00	2.9E+00	5.8E+02	2.9E+02
Diallate			4.7E+02	9.4E+02									2.6E+00	1.3E+00	2.6E+02	1.3E+02
Diazinon							9.1E+01	4.7E+01	9.2E+02	1.8E+03	9.1E+01	4.7E+01	4.7E-01	2.4E-01	4.7E+01	2.4E+01
Dibenz(a,h)acridine	2.4E+04	1.2E+04	2.4E+01	4.8E+01	2.6E+04	1.3E+04							1.3E+02	6.5E+01	1.3E+04	6.5E+03
Dibenz(a,j)acridine	3.3E+04	1.7E+04	3.9E+01	6.0E+01	3.5E+04	1.8E+04							2.5E+02	1.3E+02	2.5E+04	1.3E+04
Dibenz-a,h-anthracene	3.1E+03	1.6E+03	3.9E+00	6.0E+00	3.3E+03	1.7E+03							2.1E+01	1.1E+01	2.1E+03	1.1E+03
Dibenzo(a,e)pyrene	9.5E+03	4.9E+03	3.9E+00	7.8E+00	1.2E+04	6.2E+03							2.9E+02	1.5E+02	2.9E+04	1.5E+04
Dibenzo(a,h)pyrene	9.2E+02	4.7E+02	3.9E-01	7.8E-01	1.2E+03	6.0E+02							2.7E+01	1.3E+01	2.7E+03	1.3E+03
Dibenzo(a,i)pyrene	9.2E+02	4.7E+02	3.9E-01	7.8E-01	1.2E+03	6.0E+02							2.7E+01	1.3E+01	2.7E+03	1.3E+03
Dibenzofuran									4.1E+03	8.2E+03			1.0E+02	5.0E+01	1.0E+04	5.0E+03
Dibenzothiophene									3.1E+03	6.1E+03			3.0E+02	1.5E+02	3.0E+04	1.5E+04
Dibromo-3-chloropropane, 1,2-	2.6E-01	1.4E-01	3.6E+01	7.2E+01	2.6E-01	1.4E-01	1.1E+01	5.8E+00	2.0E+02	4.1E+02	1.1E+01	5.8E+00	1.7E-03	8.7E-04	1.7E-01	8.7E-02
Dibromochloromethane (chlorodibromomethane)			3.4E+02						2.0E+04				1.1E-01	5.5E-02	1.1E+01	5.5E+00
Dibromofluoromethane									2.0E+05				4.7E+01	2.3E+01	4.7E+03	2.3E+03
Dicamba									3.1E+04	6.1E+04			4.4E+00	2.2E+00	4.4E+02	2.2E+02
Dichlormid									2.6E+04	5.1E+04			7.8E+00	3.9E+00	7.8E+02	3.9E+02
Dichloro-2-butene, 1,4-	3.3E-01	1.7E-01			3.3E-01	1.7E-01										
Dichloro-2-butene, 1,4- trans	3.4E-01	1.8E-01			3.4E-01	1.8E-01										
Dichlorobenzene, 1,2-							1.1E+03	5.7E+02	9.2E+04		1.1E+03	5.7E+02	1.8E+01	8.9E+00	1.8E+03	8.9E+02
Dichlorobenzene, 1,3-							1.7E+02	8.8E+01	3.1E+04		1.7E+02	8.8E+01	2.0E+01	1.0E+01	2.0E+03	1.0E+03
Dichlorobenzene, 1,4-			1.2E+03				3.4E+03	1.8E+03			3.4E+03	1.8E+03	2.1E+00	1.1E+00	2.1E+02	1.1E+02
Dichlorobenzidine, 3,3-			6.4E+01	1.3E+02									1.4E-01	7.0E-02	1.4E+01	7.0E+00
Dichlorobutane, 2,3-							1.5E+02	7.7E+01	1.0E+04		1.5E+02	7.7E+01	7.7E+00	3.8E+00	7.7E+02	3.8E+02
Dichlorodifluoromethane							2.1E+03	1.1E+03	2.0E+05		2.1E+03	1.1E+03	7.2E+02	3.6E+02	7.2E+04	3.6E+04
Dichloroethane, 1,1-							5.2E+04	2.7E+04	2.0E+05		5.2E+04	2.7E+04	5.5E+01	2.8E+01	5.5E+03	2.8E+03
Dichloroethane, 1,2-	2.3E+01	1.2E+01	3.1E+02		2.3E+01	1.2E+01	1.5E+02	7.7E+01	6.1E+03		1.5E+02	7.7E+01	1.4E-02	6.9E-03	1.4E+00	6.9E-01
Dichloroethylene, 1,1-							7.3E+03	3.8E+03	5.1E+04		7.3E+03	3.8E+03	5.0E-02	2.5E-02	5.0E+00	2.5E+00
Dichloroethylene, cis-1,2-							1.3E+03	6.6E+02	2.0E+03		1.3E+03	6.6E+02	2.5E-01	1.2E-01	2.5E+01	1.2E+01
Dichloroethylene, trans-1,2							1.3E+03	6.6E+02	2.0E+04		1.3E+03	6.6E+02	4.9E-01	2.5E-01	4.9E+01	2.5E+01
Dichlorofluoromethane									2.0E+05				4.2E+01	2.1E+01	4.2E+03	2.1E+03
Dichlorophenol, 2,3-									3.1E+03	6.1E+03			1.6E+00	8.1E-01	1.6E+02	8.1E+01
Dichlorophenol, 2,4-									3.1E+03	6.1E+03			1.1E+00	5.3E-01	1.1E+02	5.3E+01
Dichlorophenol, 2,5-									3.1E+03	6.1E+03			1.5E+00	7.5E-01	1.5E+02	7.5E+01
Dichlorophenol, 2,6-									1.0E+03	2.0E+03			2.0E-01	1.0E-01	2.0E+01	1.0E+01
Dichlorophenol, 3,4-									3.1E+03	6.1E+03			6.0E+00	3.0E+00	6.0E+02	3.0E+02
Dichlorophenol, 3,5-									3.1E+03	6.1E+03			4.0E+00	2.0E+00	4.0E+02	2.0E+02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4 DB)									8.2E+03	1.6E+04			1.2E+00	5.8E-01	1.2E+02	5.8E+01
Dichlorophenoxyacetic acid, 2,4- (2,4-D)									1.0E+04	4.1E+04			2.6E+00	1.3E+00	2.6E+02	1.3E+02
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)									1.0E+04	2.0E+04			1.4E+00	7.0E-01	1.4E+02	7.0E+01
Dichloropropane, 1,2-			4.2E+02				8.6E+01	4.4E+01	9.2E+04		8.6E+01	4.4E+01	2.3E-02	1.1E-02	2.3E+00	1.1E+00
Dichloropropane, 1,3-	1.5E+02	7.7E+01	2.9E+02		1.5E+02	7.7E+01	4.3E+02	2.2E+02	2.0E+04		4.3E+02	2.2E+02	1.4E-01	7.2E-02	1.4E+01	7.2E+00
Dichloropropane, 2,2-			4.2E+02				8.6E+01	4.4E+01	9.2E+04		8.6E+01	4.4E+01	2.7E-01	1.4E-01	2.7E+01	1.4E+01
Dichloropropanol, 2,3-									3.1E+03	6.1E+03			7.2E-01	3.6E-01	7.2E+01	3.6E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Dichloropropene, 1,1-	1.5E+02	7.7E+01	2.9E+02		1.5E+02	7.7E+01	4.3E+02	2.2E+02	3.1E+04		4.3E+02	2.2E+02	3.0E-01	1.5E-01	3.0E+01	1.5E+01
Dichloropropene, 1,3- (mixed isomers)	1.5E+02	7.7E+01	2.9E+02		1.5E+02	7.7E+01	4.3E+02	2.2E+02	3.1E+04		4.3E+02	2.2E+02	8.8E-02	4.4E-02	8.8E+00	4.4E+00
Dichloropropene, cis 1,3-			5.3E+01				4.3E+02	2.2E+02	1.0E+02		4.3E+02	2.2E+02	1.5E-02	7.4E-03	1.5E+00	7.4E-01
Dichloropropene, trans 1,3-	1.5E+02	7.7E+01	2.9E+02		1.5E+02	7.7E+01	4.3E+02	2.2E+02	3.1E+04		4.3E+02	2.2E+02	8.0E-02	4.0E-02	8.0E+00	4.0E+00
Dichlorvos			9.9E+01	2.0E+02			4.8E+05	2.5E+05	5.1E+02	1.0E+03	1.7E+06	8.7E+05	1.1E+06	5.5E+05	1.1E+08	5.5E+07
Dicrotophos (bidrin)									1.0E+02	2.0E+02			1.4E-02	7.0E-03	1.4E+00	7.0E-01
Dicyclopentadiene							9.5E+06	4.9E+06	8.2E+03							
Dieldrin	5.3E+01	2.7E+01	1.8E+00	3.6E+00	5.3E+01	2.7E+01			5.1E+01	1.0E+02			1.1E-01	5.5E-02	1.1E+01	5.5E+00
Diethanolamine									5.1E+02	1.0E+03			7.0E-02	3.5E-02	7.0E+00	3.5E+00
Diethyl phthalate									8.2E+05	1.6E+06			4.7E+02	2.3E+02	4.7E+04	2.3E+04
Diethylene glycol									2.0E+06	4.1E+06			2.8E+02	1.4E+02	2.8E+04	1.4E+04
Diethylene glycol monobutyl ether							2.8E+01	1.5E+01	3.1E+04	6.1E+04	2.8E+01	1.5E+01	4.7E+00	2.3E+00	4.7E+02	2.3E+02
Diethylhexyl adipate			2.4E+04	4.8E+04					6.1E+05	1.2E+06			6.1E+03	3.0E+03	6.1E+05	3.0E+05
Diethylstilbestrol			6.1E-03	1.2E-02									1.3E-03	6.5E-04	1.3E-01	6.5E-02
Diisobutylene (trimethyl-1-pentene, 2,4,4-)							4.3E+03	2.2E+03	6.1E+04		4.3E+03	2.2E+03	1.8E+03	9.0E+02	1.8E+05	9.0E+04
Diisopropylbenzene, p-									1.0E+04				2.8E+02	1.4E+02	2.8E+04	1.4E+04
Diisopropyl ether (2,2'-oxybis-propane)							1.5E+04	7.7E+03	1.0E+05		1.5E+04	7.7E+03	3.6E+01	1.8E+01	3.6E+03	1.8E+03
Dimethenamid									1.5E+04	3.1E+04			3.1E+00	1.5E+00	3.1E+02	1.5E+02
Dimethoate									2.0E+02	4.1E+02			3.0E-02	1.5E-02	3.0E+00	1.5E+00
Dimethoxybenzidine, 3,3'-			2.0E+03	4.1E+03									6.3E-01	3.2E-01	6.3E+01	3.2E+01
Dimethylphenethylamine, alpha, alpha-									2.0E+03	4.1E+03			1.1E+00	5.6E-01	1.1E+02	5.6E+01
Dimethyl phenol, 2,4-									2.0E+04	4.1E+04			9.7E+00	4.8E+00	9.7E+02	4.8E+02
Dimethylaminoazobenzene, p-									1.0E+01	2.0E+01			3.4E+00	1.7E+00	3.4E+02	1.7E+02
Dimethylbenz-a-anthracene, 7,12-	2.1E+02	1.1E+02	1.1E-01	1.8E-01	2.4E+02	1.2E+02							2.8E+00	1.4E+00	2.8E+02	1.4E+02
Dimethylbenzidine, 3,3'-			2.6E+00	5.2E+00									1.8E-03	9.2E-04	1.8E-01	9.2E-02
Dimethylnaphthalene, 1,3-									4.1E+04	6.3E+04			2.4E+03	1.2E+03	2.4E+05	1.2E+05
Dimethylphthalate									8.2E+05	1.6E+06			1.9E+02	9.3E+01	1.9E+04	9.3E+03
Di-n-butyl phthalate									1.0E+05	2.0E+05			9.9E+03	5.0E+03	9.9E+05	5.0E+05
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)									1.0E+02	2.0E+02			1.4E-02	7.0E-03	1.4E+00	7.0E-01
Dinitrobenzene, 1,3-(dinitrobenzene, 2,4-)									1.0E+02	2.0E+02			2.3E-02	1.1E-02	2.3E+00	1.1E+00
Dinitrobenzene, 1,4-									1.0E+02	2.0E+02			2.2E-02	1.1E-02	2.2E+00	1.1E+00
Dinitrophenol, 2,4-									2.0E+03	4.1E+03			2.8E-01	1.4E-01	2.8E+01	1.4E+01
Dinitrophenol, 2,5-									2.0E+03	4.1E+03			2.9E-01	1.4E-01	2.9E+01	1.4E+01
Dinitrotoluene, 2,4-			4.2E+01	8.4E+01					2.0E+03	4.1E+03			1.2E-02	6.0E-03	1.2E+00	6.0E-01
Dinitrotoluene, 2,6-			4.2E+01	8.4E+01					1.0E+03	2.0E+03			1.1E-02	5.4E-03	1.1E+00	5.4E-01
Di-n-octyl phthalate									4.1E+04	8.2E+04			9.7E+06	4.9E+06	9.7E+08	4.9E+08
Dinoseb									1.0E+03	2.0E+03			3.5E-01	1.8E-01	3.5E+01	1.8E+01
Dioxane 1,4-			2.9E+02				1.9E+05	1.0E+05	3.1E+04		1.9E+05	1.0E+05	4.0E-02	2.0E-02	4.0E+00	2.0E+00
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)									5.0E-03				1.7E-02	8.5E-03	1.7E+00	8.5E-01
Diphenyl ether									6.3E+03	1.3E+04			2.7E+02	1.4E+02	2.7E+04	1.4E+04
Diphenylamine									2.6E+04	5.1E+04			2.9E+01	1.4E+01	2.9E+03	1.4E+03
Diphenylhydrazine, 1,2-	2.4E+02	1.2E+02	3.6E+01	7.2E+01	2.4E+02	1.2E+02							7.2E-02	3.6E-02	7.2E+00	3.6E+00
Dipropylene glycol									1.2E+05	2.5E+05			1.7E+01	8.5E+00	1.7E+03	8.5E+02
Diquat									2.2E+03	4.5E+03			2.0E-01	1.0E-01	2.0E+01	1.0E+01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)									1.0E+04	2.0E+04			1.4E+00	7.0E-01	1.4E+02	7.0E+01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)									1.0E+04	2.0E+04			1.4E+00	7.0E-01	1.4E+02	7.0E+01
Disulfoton									4.1E+01	8.2E+01			1.0E+00	5.2E-01	1.0E+02	5.2E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Diuron									2.0E+03	4.1E+03			2.8E+00	1.4E+00	2.8E+02	1.4E+02
Dodecylphenol, 4-									5.1E+04	1.0E+05			3.7E+07	1.8E+07	3.7E+09	1.8E+09
Dodecylphenol, 4-									5.1E+04	1.0E+05			3.7E+07	1.8E+07	3.7E+09	1.8E+09
Endosulfan									6.1E+03	1.2E+04			1.4E+01	6.9E+00	1.4E+03	6.9E+02
Endosulfan I									2.0E+03	4.1E+03			9.2E+01	4.6E+01	9.2E+03	4.6E+03
Endosulfan II									6.1E+03	1.2E+04			2.8E+02	1.4E+02	2.8E+04	1.4E+04
Endosulfan sulfate									6.1E+03	1.2E+04			1.4E+04	7.0E+03	1.4E+06	7.0E+05
Endothall									2.0E+04	4.1E+04			5.3E-01	2.7E-01	5.3E+01	2.7E+01
Endrin									3.1E+02	6.1E+02			7.5E-01	3.8E-01	7.5E+01	3.8E+01
Endrin aldehyde									3.1E+02	6.1E+02			1.9E+03	9.4E+02	1.9E+05	9.4E+04
Endrin ketone									3.1E+02	6.1E+02			1.5E+02	7.6E+01	1.5E+04	7.6E+03
Epichlorohydrin	8.6E+02	4.4E+02	2.9E+03		8.6E+02	4.4E+02	3.7E+01	1.9E+01	6.1E+03		3.7E+01	1.9E+01	4.1E-01	2.1E-01	4.1E+01	2.1E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)									1.0E+01	2.0E+01			1.6E-01	8.2E-02	1.6E+01	8.2E+00
Esfenvalerate									2.0E+03	4.1E+03			3.7E+02	1.9E+02	3.7E+04	1.9E+04
Ethalfluralin (sonolan)			3.2E+02	6.4E+02					4.1E+04	8.2E+04			5.6E+01	2.8E+01	5.6E+03	2.8E+03
Ethanol									3.4E+07				4.7E+03	2.4E+03	4.7E+05	2.4E+05
Ethanol, 2-amino-									1.7E+03				2.4E-01	1.2E-01	2.4E+01	1.2E+01
Ethanol, 2-(2-aminoethoxy)-									5.1E+02				7.0E-02	3.5E-02	7.0E+00	3.5E+00
Ethanol, 2-(2-ethoxyethoxy)-									2.0E+06				4.9E+02	2.5E+02	4.9E+04	2.5E+04
Ethanol, 2-(methylamino)-							9.0E+03	4.6E+03	1.6E+04		9.0E+03	4.6E+03	2.2E+00	1.1E+00	2.2E+02	1.1E+02
Ethion									5.1E+02	1.0E+03			2.3E+01	1.1E+01	2.3E+03	1.1E+03
Ethoprop			1.0E+03	2.0E+03					1.0E+02	2.0E+02			3.7E-01	1.8E-01	3.7E+01	1.8E+01
Ethoxy ethanol, 2-							4.3E+03	2.2E+03	4.1E+05		4.3E+03	2.2E+03	2.1E+02	1.1E+02	2.1E+04	1.1E+04
Ethyl acetate									9.2E+05				1.4E+02	7.0E+01	1.4E+04	7.0E+03
Ethyl acrylate			6.0E+02										2.7E-01	1.3E-01	2.7E+01	1.3E+01
Ethyl benzene							4.1E+04	2.1E+04	1.0E+05		4.1E+04	2.1E+04	7.6E+00	3.8E+00	7.6E+02	3.8E+02
Ethyl dipropylthiocarbamate, S-									2.6E+04	5.1E+04			2.1E+01	1.1E+01	2.1E+03	1.1E+03
Ethyl ether									2.0E+05				3.3E+01	1.7E+01	3.3E+03	1.7E+03
Ethyl methacrylate							9.9E+03	5.1E+03	9.2E+04		9.9E+03	5.1E+03	2.2E+01	1.1E+01	2.2E+03	1.1E+03
Ethyl methanesulfonate	2.0E+02	1.0E+02	2.9E+02	5.8E+02	2.0E+02	1.0E+02							4.0E-02	2.0E-02	4.0E+00	2.0E+00
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)							6.4E+03	3.3E+03	1.0E+03		6.4E+03	3.3E+03	2.7E-01	1.3E-01	2.7E+01	1.3E+01
Ethyl-1-hexanol, 2-									1.5E+05	3.1E+05			2.3E+02	1.1E+02	2.3E+04	1.1E+04
Ethyl-2-hexenal, 2-									1.5E+05				8.4E+01	4.2E+01	8.4E+03	4.2E+03
Ethyl-2-methyl benzene, 1-							1.2E+04	6.1E+03	5.1E+04		1.2E+04	6.1E+03	1.7E+02	8.3E+01	1.7E+04	8.3E+03
Ethyl-4-methyl benzene, 1-							1.0E+04	5.2E+03	5.1E+04		1.0E+04	5.2E+03	1.8E+02	9.0E+01	1.8E+04	9.0E+03
Ethylene*																
Ethylene dibromide (dibromoethane, 1,2-)	1.6E+00	8.4E-01	1.4E+01		1.6E+00	8.4E-01	3.1E+02	1.6E+02	9.2E+03		3.1E+02	1.6E+02	2.1E-04	1.0E-04	2.1E-02	1.0E-02
Ethylene glycol									2.0E+06	4.1E+06			2.8E+02	1.4E+02	2.8E+04	1.4E+04
Ethylene oxide	6.0E+00	3.1E+00	2.8E+01		6.0E+00	3.1E+00							4.0E-03	2.0E-03	4.0E-01	2.0E-01
Ethylene thiourea			2.6E+02	5.2E+02					8.2E+01	1.6E+02			1.1E-02	5.6E-03	1.1E+00	5.6E-01
Ethylenediamine									9.2E+04				1.4E+01	6.9E+00	1.4E+03	6.9E+02
Ethylenimine	2.2E-01	1.1E-01	4.4E-01		2.2E-01	1.1E-01							6.3E-05	3.1E-05	6.3E-03	3.1E-03
Ethylhexyl acrylate, 2-			6.0E+02	1.2E+03									1.7E+01	8.6E+00	1.7E+03	8.6E+02
Famphur									3.1E+01	6.1E+01			5.4E-03	2.7E-03	5.4E-01	2.7E-01
Fensulfothion									1.0E+03	2.0E+03			1.0E+00	5.2E-01	1.0E+02	5.2E+01
Fenthion									7.2E+01	1.4E+02			2.3E-01	1.2E-01	2.3E+01	1.2E+01
Fluoranthene									4.1E+04	6.3E+04			5.7E+03	2.9E+03	5.7E+05	2.9E+05
Fluorene									4.1E+04	6.3E+04			8.9E+02	4.5E+02	8.9E+04	4.5E+04
Fluorine (soluble fluoride)							3.7E+07	1.9E+07	6.1E+04	1.2E+06						

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Fluorochloridone									7.7E+03	1.5E+04			1.2E+01	5.9E+00	1.2E+03	5.9E+02
Fonofos									2.0E+03	4.1E+03			2.1E+01	1.1E+01	2.1E+03	1.1E+03
Formaldehyde							1.4E+03	7.1E+02	2.0E+05		1.4E+03	7.1E+02	2.9E+01	1.5E+01	2.9E+03	1.5E+03
Formic acid							3.0E+02	1.5E+02	9.2E+05		3.0E+02	1.5E+02	1.3E+02	6.3E+01	1.3E+04	6.3E+03
Furan									1.0E+03				2.4E-01	1.2E-01	2.4E+01	1.2E+01
Furfural									3.1E+03				4.4E-01	2.2E-01	4.4E+01	2.2E+01
Glycidylaldehyde							2.1E+02	1.1E+02	4.1E+02		2.1E+02	1.1E+02	6.7E-02	3.3E-02	6.7E+00	3.3E+00
Glyphosate									1.0E+05	2.0E+05			2.9E+01	1.5E+01	2.9E+03	1.5E+03
Heptachlor	1.5E+01	7.9E+00	6.4E+00	1.3E+01	1.5E+01	7.9E+00			5.1E+02	1.0E+03			1.9E-01	9.4E-02	1.9E+01	9.4E+00
Heptachlor epoxide	4.0E+01	2.0E+01	3.1E+00	6.3E+00	4.0E+01	2.1E+01			1.3E+01	2.7E+01			5.8E-02	2.9E-02	5.8E+00	2.9E+00
Heptane, n-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	2.1E+03	1.1E+03	2.1E+05	1.1E+05
Heptanoic acid, n-							1.7E+02	8.8E+01	5.1E+05	1.0E+06	1.7E+02	8.8E+01	7.1E+01	3.5E+01	7.1E+03	3.5E+03
Hexachlorobenzene	3.2E+01	1.6E+01	1.8E+01	3.6E+01	3.2E+01	1.6E+01			8.2E+02	1.6E+03			1.1E+00	5.6E-01	1.1E+02	5.6E+01
Hexachlorobutadiene	4.9E+01	2.5E+01	3.7E+02	7.3E+02	4.9E+01	2.5E+01			1.0E+03	2.0E+03			7.4E+00	3.7E+00	7.4E+02	3.7E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	2.3E+01	1.2E+01	4.5E+00	2.3E+01	2.3E+01	1.2E+01			8.2E+03	4.1E+04			1.8E-02	8.9E-03	1.8E+00	8.9E-01
Hexachlorocyclohexane, beta (beta-BHC)	1.2E+02	6.2E+01	1.6E+01	7.9E+01	1.2E+02	6.2E+01							6.5E-02	3.2E-02	6.5E+00	3.2E+00
Hexachlorocyclohexane, delta (delta-BHC)	1.7E+02	8.7E+01	1.6E+01	7.9E+01	1.7E+02	8.8E+01			3.1E+02	1.5E+03			3.9E-01	1.9E-01	3.9E+01	1.9E+01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)			2.2E+01	1.1E+02					3.1E+02	1.5E+03			9.2E-03	4.6E-03	9.2E-01	4.6E-01
Hexachlorocyclohexane, techn (technical-BHC)	1.5E+02	7.7E+01	1.6E+01	7.9E+01	1.5E+02	7.7E+01							1.1E-01	5.6E-02	1.1E+01	5.6E+00
Hexachlorocyclopentadiene							2.0E+01	1.0E+01	6.1E+03	1.2E+04	2.0E+01	1.0E+01	1.9E+01	9.6E+00	1.9E+03	9.6E+02
Hexachloroethane			7.2E+02	1.4E+03			6.9E+03	3.6E+03	7.2E+02	1.4E+03	6.9E+03	3.6E+03	3.8E+00	1.9E+00	3.8E+02	1.9E+02
Hexachlorophene									3.1E+02	6.1E+02			1.8E+04	8.8E+03	1.8E+06	8.8E+05
Hexachloropropylene	1.7E+03	8.6E+02	2.0E+03	4.1E+03	1.7E+03	8.6E+02			1.0E+03	2.0E+03			3.1E+01	1.6E+01	3.1E+03	1.6E+03
Hexanal, 2-ethyl-									1.5E+05	3.1E+05			7.9E+01	3.9E+01	7.9E+03	3.9E+03
Hexane, n-							1.4E+04	7.4E+03	6.1E+04		1.4E+04	7.4E+03	6.1E+02	3.0E+02	6.1E+04	3.0E+04
Hexanediamine, 1,6-									5.1E+03				7.3E-01	3.7E-01	7.3E+01	3.7E+01
Hexanedinitrile							1.4E+03	7.1E+02	1.4E+03		1.4E+03	7.1E+02	2.0E-01	1.0E-01	2.0E+01	1.0E+01
Hexanediol, 1,6-							4.7E+06	2.4E+06	5.1E+06	1.0E+07	4.7E+06	2.4E+06	7.8E+02	3.9E+02	7.8E+04	3.9E+04
Hexanoic acid							1.9E+02	9.8E+01	6.5E+04	1.3E+05	1.9E+02	9.8E+01	9.0E+00	4.5E+00	9.0E+02	4.5E+02
Hexanone, 2-							1.2E+03	5.9E+02	5.1E+03		1.2E+03	5.9E+02	9.6E-01	4.8E-01	9.6E+01	4.8E+01
Hexazinone									3.4E+04	6.7E+04			8.2E+00	4.1E+00	8.2E+02	4.1E+02
Hexene, 1-							2.4E+03	1.2E+03	3.4E+05		2.4E+03	1.2E+03	2.2E+03	1.1E+03	2.2E+05	1.1E+05
Hexene, cis-2-							2.4E+03	1.2E+03	3.4E+05		2.4E+03	1.2E+03	1.8E+03	9.2E+02	1.8E+05	9.2E+04
Hexylene glycol (2-methyl-2,4-pentanediol)									3.1E+05	6.1E+05			4.4E+01	2.2E+01	4.4E+03	2.2E+03
Hydrazine	7.8E-01	4.0E-01	9.5E+00		7.8E-01	4.0E-01	4.1E+00	2.1E+00			4.1E+00	2.1E+00	1.3E-03	6.5E-04	1.3E-01	6.5E-02
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)							2.3E+02	1.2E+02	6.5E+04	1.3E+05	2.3E+02	1.2E+02	9.1E+00	4.5E+00	9.1E+02	4.5E+02
Hydrogen chloride (hydrochloric acid)*																
Hydroquinone			4.8E+02	9.5E+02					4.1E+04	8.2E+04			7.0E-02	3.5E-02	7.0E+00	3.5E+00
Indene							1.6E+02	8.1E+01	2.0E+04		1.6E+02	8.1E+01	2.1E+01	1.1E+01	2.1E+03	1.1E+03
Indeno-1,2,3-cd-pyrene	3.8E+04	2.0E+04	3.9E+01	6.0E+01	4.2E+04	2.2E+04							3.9E+02	1.9E+02	3.9E+04	1.9E+04
Iron*																
Isoamyl alcohol									5.1E+03				9.6E-01	4.8E-01	9.6E+01	4.8E+01
Isobutyl alcohol									3.1E+05				4.7E+01	2.3E+01	4.7E+03	2.3E+03
Isobutylene (2-methyl-1-propene)							2.4E+06	1.2E+06			2.4E+06	1.2E+06				
Isobutyric acid (2-methylpropanoic acid)									5.1E+05	1.0E+06			7.0E+01	3.5E+01	7.0E+03	3.5E+03
Isodecanol									1.6E+03	3.3E+03			8.8E+00	4.4E+00	8.8E+02	4.4E+02

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Isodrin	2.9E+00	1.5E+00	1.7E-01	3.4E-01	2.9E+00	1.5E+00			3.1E+00	6.1E+00			3.3E+00	1.7E+00	3.3E+02	1.7E+02
Isopentane							5.2E+05	2.7E+05	6.1E+04		5.2E+05	2.7E+05	8.0E+02	4.0E+02	8.0E+04	4.0E+04
Isophorone			3.0E+04	6.0E+04					2.0E+05	4.1E+05			6.7E+00	3.4E+00	6.7E+02	3.4E+02
Isopropyl acetate									7.2E+04				1.2E+01	6.0E+00	1.2E+03	6.0E+02
Isopropyl alcohol									2.0E+05				3.0E+01	1.5E+01	3.0E+03	1.5E+03
Isosafrole	1.5E+02	7.9E+01	1.3E+02	2.6E+02	1.5E+02	7.9E+01							2.9E-01	1.5E-01	2.9E+01	1.5E+01
Kelthane (dicofol)									6.1E+03	1.2E+04			2.2E+02	1.1E+02	2.2E+04	1.1E+04
Kepone (chlordecone)	8.1E+01	4.2E+01	2.9E+00	5.7E+00	8.2E+01	4.2E+01			3.1E+02	6.1E+02			2.2E-01	1.1E-01	2.2E+01	1.1E+01
Lead (inorganic)									1.6E+03				3.0E+00	1.5E+00	3.0E+02	1.5E+02
Leptophos							4.6E+01	2.3E+01	5.1E+00		4.7E+01	2.4E+01	1.9E+00	9.6E-01	1.9E+02	9.6E+01
Limonene, d-*																
Lithium[2]									2.0E+03	4.1E+04						
Magnesium*																
Malathion							2.8E+02	1.4E+02	2.0E+04	4.1E+04	2.8E+02	1.4E+02	2.0E+01	9.8E+00	2.0E+03	9.8E+02
Maleic anhydride									1.0E+05	2.0E+05			2.1E+01	1.1E+01	2.1E+03	1.1E+03
Maleic hydrazide									5.1E+05	1.0E+06			1.1E+02	5.3E+01	1.1E+04	5.3E+03
Malononitrile									1.0E+02	2.0E+02			1.5E-02	7.7E-03	1.5E+00	7.7E-01
Mancozeb									3.1E+04	6.1E+04			5.4E+00	2.7E+00	5.4E+02	2.7E+02
Manganese							6.8E+04	3.5E+04	1.4E+05	1.7E+05			1.0E+04	5.1E+03	1.0E+06	5.1E+05
MCPA (4-(chloro-2-methylphenoxy) acetic acid)									5.1E+02	1.0E+03			7.0E-02	3.5E-02	7.0E+00	3.5E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)									1.0E+03	2.0E+03			1.4E-01	7.0E-02	1.4E+01	7.0E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)									1.0E+03	2.0E+03			1.4E-01	7.0E-02	1.4E+01	7.0E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)									1.0E+03	2.0E+03			1.4E-01	7.0E-02	1.4E+01	7.0E+00
Mercuric chloride (pH = 4.9)							6.4E+00	3.3E+00	3.1E+02	4.3E+02	6.4E+00	3.3E+00	7.8E-03	3.9E-03	7.8E-01	3.9E-01
Mercuric chloride (pH = 6.8)							2.2E+01	1.1E+01	3.1E+02	4.3E+02	2.2E+01	1.1E+01	2.1E+00	1.0E+00	2.1E+02	1.0E+02
Mercury (pH = 4.9)[3]							6.4E+00	3.3E+00	3.1E+02	4.3E+02	6.4E+00	3.3E+00	7.8E-03	3.9E-03	7.8E-01	3.9E-01
Merphos									3.1E+01	6.1E+01			1.9E+01	9.7E+00	1.9E+03	9.7E+02
Methacrylic acid (2-methyl-2-propenoic acid)									1.0E+04				1.4E+00	7.0E-01	1.4E+02	7.0E+01
Methacrylonitrile									1.0E+02				1.5E-02	7.5E-03	1.5E+00	7.5E-01
Methanol									5.1E+05				7.0E+01	3.5E+01	7.0E+03	3.5E+03
Methapyrilene			6.1E+00	1.2E+01									1.2E-03	5.9E-04	1.2E-01	5.9E-02
Methomyl									2.6E+04	5.1E+04			1.5E+01	7.6E+00	1.5E+03	7.6E+02
Methoxychlor									5.1E+03	1.0E+04			1.2E+02	6.2E+01	1.2E+04	6.2E+03
Methoxyethanol, 2-							4.3E+02	2.2E+02	5.1E+03		4.3E+02	2.2E+02	2.0E+00	1.0E+00	2.0E+02	1.0E+02
Methyl acetate (acetic acid, methyl ester)									1.0E+06				1.5E+02	7.3E+01	1.5E+04	7.3E+03
Methyl acrylate									2.0E+03				3.1E-01	1.5E-01	3.1E+01	1.5E+01
Methyl amyl ketone (2-heptanone)							1.6E+05	8.0E+04	5.1E+04		1.6E+05	8.0E+04	1.4E+01	7.1E+00	1.4E+03	7.1E+02
Methyl chrysene, 1-	4.0E+06	2.1E+06	3.9E+03	6.0E+03	4.4E+06	2.3E+06							5.0E+04	2.5E+04	5.0E+06	2.5E+06
Methyl chrysene, 2-	4.0E+06	2.1E+06	3.9E+03	6.0E+03	4.4E+06	2.3E+06							5.0E+04	2.5E+04	5.0E+06	2.5E+06
Methyl chrysene, 6-	3.6E+05	1.9E+05	3.9E+02	6.0E+02	3.9E+05	2.0E+05							4.0E+03	2.0E+03	4.0E+05	2.0E+05
Methyl cyclohexane							6.4E+04	3.3E+04	5.1E+06		6.4E+04	3.3E+04	4.6E+04	2.3E+04	4.6E+06	2.3E+06
Methyl ethyl ketone (2-butanone)							2.8E+05	1.4E+05	6.1E+05		2.8E+05	1.5E+05	8.7E+01	4.4E+01	8.7E+03	4.4E+03
Methyl iodide (iodomethane)									1.4E+03				3.4E-01	1.7E-01	3.4E+01	1.7E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)							8.1E+04	4.2E+04	8.2E+04		8.1E+04	4.2E+04	1.5E+01	7.4E+00	1.5E+03	7.4E+02

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	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Methyl mercury									1.0E+02	2.0E+03						
Methyl methacrylate							1.5E+04	7.7E+03	1.4E+06		1.5E+04	7.7E+03	2.9E+02	1.5E+02	2.9E+04	1.5E+04
Methyl methanesulfonate	1.9E+02	9.7E+01	2.9E+02	5.8E+02	1.9E+02	9.7E+01							4.0E-02	2.0E-02	4.0E+00	2.0E+00
Methyl parathion									2.6E+02	5.1E+02			5.1E-01	2.5E-01	5.1E+01	2.5E+01
Methyl-1-butene, 2-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	1.9E+02	9.7E+01	1.9E+04	9.7E+03
Methyl-1-propanal, 2- (isobutyraldehyde)									4.1E+04				6.2E+00	3.1E+00	6.2E+02	3.1E+02
Methyl-2-butene, 2-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	1.2E+02	5.8E+01	1.2E+04	5.8E+03
Methyl-2-pentenal, 2-			1.5E+01										3.3E-03	1.6E-03	3.3E-01	1.6E-01
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)			3.2E+03	6.4E+03									1.2E+00	5.8E-01	1.2E+02	5.8E+01
Methylcholanthrene, 3-	2.5E+03	1.3E+03	1.3E+00	2.0E+00	3.0E+03	1.5E+03							3.4E+01	1.7E+01	3.4E+03	1.7E+03
Methylene bromide (dibromomethane)			3.8E+03				1.1E+02	5.9E+01	6.1E+04		1.1E+02	5.9E+01	2.5E+00	1.3E+00	2.5E+02	1.3E+02
Methylene chloride (dichloromethane)	2.1E+04	1.1E+04	1.4E+04		2.1E+04	1.1E+04	2.8E+04	1.4E+04	6.1E+03		2.8E+04	1.4E+04	1.3E-02	6.5E-03	1.3E+00	6.5E-01
Methylene-bis (2-chloroaniline) 4,4'-	4.5E+03	2.3E+03	2.9E+02	5.7E+02	4.5E+03	2.3E+03			2.0E+03	4.1E+03			6.5E+00	3.2E+00	6.5E+02	3.2E+02
Methylmecury hydroxide									1.0E+02	2.0E+02			1.4E-02	7.1E-03	1.4E+00	7.1E-01
Methylnaphthalene, 1-			9.9E+02	1.5E+03					7.2E+04	1.1E+05			6.6E+00	3.3E+00	6.6E+02	3.3E+02
Methylnaphthalene, 2-									4.1E+03	6.3E+03			5.1E+01	2.5E+01	5.1E+03	2.5E+03
Methylpyrrolidone, N-									2.0E+04	4.1E+04			2.9E+00	1.4E+00	2.9E+02	1.4E+02
Methylsytrene, alpha-							6.8E+02	3.5E+02	8.5E+03		6.8E+02	3.5E+02	1.9E+01	9.7E+00	1.9E+03	9.7E+02
Methyltetrahydrofuran, 2-	3.2E+02	1.6E+02	3.8E+03		3.2E+02	1.6E+02			2.0E+05				6.2E-01	3.1E-01	6.2E+01	3.1E+01
Methyltetrahydropyran, 2-	3.7E+02	1.9E+02	3.8E+03		3.7E+02	1.9E+02			2.0E+05				7.3E-01	3.6E-01	7.3E+01	3.6E+01
Metolachlor									1.5E+05	3.1E+05			3.3E+02	1.6E+02	3.3E+04	1.6E+04
Metribuzin									2.6E+04	5.1E+04			3.7E+00	1.8E+00	3.7E+02	1.8E+02
Mirex									2.0E+02	4.1E+02			1.3E+04	6.7E+03	1.3E+06	6.7E+05
Molinate									2.0E+03	4.1E+03			5.7E-01	2.9E-01	5.7E+01	2.9E+01
Molybdenum									5.1E+03	3.9E+04			1.5E+02	7.3E+01	1.5E+04	7.3E+03
Monocrotophos									6.1E+02	1.2E+03			8.8E-02	4.4E-02	8.8E+00	4.4E+00
Morpholine									5.1E+08				7.1E+04	3.6E+04	7.1E+06	3.6E+06
Morpholine, N-butyl-									2.4E+03				6.9E-01	3.5E-01	6.9E+01	3.5E+01
MTBE (methyl tert-butyl ether)	2.3E+03	1.2E+03	1.6E+04		2.3E+03	1.2E+03	6.4E+04	3.3E+04	1.0E+04		6.4E+04	3.3E+04	1.9E+00	9.3E-01	1.9E+02	9.3E+01
Naled									2.0E+03	4.1E+03			1.1E+00	5.3E-01	1.1E+02	5.3E+01
Naphthalene							3.7E+02	1.9E+02	2.0E+04	3.1E+04	3.7E+02	1.9E+02	9.3E+01	4.7E+01	9.3E+03	4.7E+03
Naphthoquinone, 1,4-									7.2E+03	1.4E+04			1.4E+00	6.9E-01	1.4E+02	6.9E+01
Naphthylamine, 1-									2.0E+04	4.1E+04			2.8E+01	1.4E+01	2.8E+03	1.4E+03
Naphthylamine, 2-			1.6E+01	3.2E+01									2.9E-02	1.4E-02	2.9E+00	1.4E+00
Napropamide									1.0E+05	2.0E+05			1.6E+03	8.2E+02	1.6E+05	8.2E+04
Neopentyl glycol									3.1E+05	6.1E+05			4.4E+01	2.2E+01	4.4E+03	2.2E+03
Nickel and compounds	2.2E+05	1.1E+05					3.1E+05	1.6E+05	2.0E+04	1.6E+04			4.7E+02	2.3E+02	4.7E+04	2.3E+04
Nitrate									1.6E+06	3.3E+07			1.9E+01	9.6E+00	1.9E+03	9.6E+02
Nitrite									1.0E+05	2.0E+06						
Nitroaniline, 2-							6.7E+01	3.4E+01	3.1E+02	6.1E+02	6.7E+01	3.4E+01	6.6E-02	3.3E-02	6.6E+00	3.3E+00
Nitroaniline, 3-			7.5E+02	1.5E+03			8.4E+01	4.3E+01	3.1E+02	6.1E+02	8.4E+01	4.3E+01	7.6E-02	3.8E-02	7.6E+00	3.8E+00
Nitroaniline, 4-			1.4E+03	2.9E+03			1.7E+03	8.7E+02	4.1E+03	8.2E+03	1.7E+03	8.7E+02	2.4E-01	1.2E-01	2.4E+01	1.2E+01
Nitrobenzene	1.1E+02	5.7E+01			1.1E+02	5.7E+01	1.4E+03	7.3E+02	2.0E+03	4.1E+03	1.4E+03	7.3E+02	1.0E+00	5.2E-01	1.0E+02	5.2E+01
Nitroglycerin			1.7E+03	3.4E+03					1.0E+02	2.0E+02			4.1E-02	2.1E-02	4.1E+00	2.1E+00
Nitrophenol, 2-									2.0E+03	4.1E+03			4.0E-01	2.0E-01	4.0E+01	2.0E+01
Nitrophenol, 3-									2.0E+03	4.1E+03			6.8E-01	3.4E-01	6.8E+01	3.4E+01
Nitrophenol, 4-									2.0E+03	4.1E+03			3.0E-01	1.5E-01	3.0E+01	1.5E+01
Nitropropane, 2-	2.2E-01	1.1E-01			2.2E-01	1.1E-01	4.3E+02	2.2E+02	1.4E+02		4.3E+02	2.2E+02	2.1E-02	1.1E-02	2.1E+00	1.1E+00
Nitroquinoline-N-oxide, 4-	3.2E+00	1.6E+00	3.0E+00	6.1E+00	3.2E+00	1.6E+00							5.2E-04	2.6E-04	5.2E-02	2.6E-02
Nitrosodiethanolamine			1.0E+01	2.0E+01									1.5E-03	7.4E-04	1.5E-01	7.4E-02

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Nitrosodiethylamine, n-	1.1E-01	5.7E-02	1.9E-01		1.1E-01	5.7E-02							2.8E-05	1.4E-05	2.8E-03	1.4E-03
Nitrosodimethylamine, n-	3.3E-01	1.7E-01	5.6E-01		3.3E-01	1.7E-01	6.6E+00	3.4E+00	8.2E+00		6.6E+00	3.4E+00	8.3E-05	4.1E-05	8.3E-03	4.1E-03
Nitrosodi-n-butylamine, n-	1.7E+00	9.0E-01	5.3E+00	1.1E+01	1.7E+00	9.0E-01							4.2E-03	2.1E-03	4.2E-01	2.1E-01
Nitrosodi-n-propylamine, n-			4.1E+00	2.0E+00									7.9E-04	3.9E-04	7.9E-02	3.9E-02
Nitrosodiphenylamine			5.8E+03	2.9E+03									6.3E+00	3.2E+00	6.3E+02	3.2E+02
Nitroso-methyl-ethyl-amine, n-			1.3E+00										2.6E-04	1.3E-04	2.6E-02	1.3E-02
Nitrosomorpholine, N-	2.9E+00	1.5E+00	4.3E+00	8.5E+00	2.9E+00	1.5E+00							5.9E-04	2.9E-04	5.9E-02	2.9E-02
Nitroso-n-ethylurea, n-			2.0E-01	4.1E-01									4.7E-05	2.3E-05	4.7E-03	2.3E-03
Nitrosopiperidine, N-	2.2E+00	1.2E+00	3.0E+00	6.1E+00	2.2E+00	1.2E+00							4.6E-04	2.3E-04	4.6E-02	2.3E-02
Nitrosopyrrolidine, n-	9.8E+00	5.0E+00	1.4E+01	2.7E+01	9.8E+00	5.0E+00							1.9E-03	9.5E-04	1.9E-01	9.5E-02
Nitrotoluene, m-									1.0E+04	2.0E+04			5.5E+00	2.8E+00	5.5E+02	2.8E+02
Nitrotoluene, o-			1.3E+02	2.6E+02					9.2E+02	1.8E+03			7.0E-02	3.5E-02	7.0E+00	3.5E+00
Nitrotoluene, p-			1.8E+03	3.6E+03					4.1E+03	8.2E+03			9.6E-01	4.8E-01	9.6E+01	4.8E+01
Nonachlor, cis-	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.1E+03	1.1E+03	5.2E+03	2.7E+03	5.1E+02	1.0E+03	5.2E+03	2.7E+03	2.8E+01	1.4E+01	2.8E+03	1.4E+03
Nonachlor, trans-	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.1E+03	1.1E+03	5.2E+03	2.7E+03	5.1E+02	1.0E+03	5.2E+03	2.7E+03	2.8E+01	1.4E+01	2.8E+03	1.4E+03
Nonanal									2.0E+05	4.1E+05			4.4E+02	2.2E+02	4.4E+04	2.2E+04
Nonene, 1-n									1.0E+05				9.9E+03	4.9E+03	9.9E+05	4.9E+05
Nonylphenol									1.0E+05	2.0E+05			8.8E+05	4.4E+05	8.8E+07	4.4E+07
Nonylphenol									1.0E+05	2.0E+05			8.8E+05	4.4E+05	8.8E+07	4.4E+07
Nonylphenol									1.0E+05	2.0E+05			8.8E+05	4.4E+05	8.8E+07	4.4E+07
Nonylphenol ethoxylate									1.0E+05				2.2E+06	1.1E+06	2.2E+08	1.1E+08
Octamethylpyrophosphoramide									2.0E+03	4.1E+03			2.8E-01	1.4E-01	2.8E+01	1.4E+01
Octanone							1.3E+06	6.5E+05	6.1E+04		1.3E+06	6.5E+05	3.3E+01	1.6E+01	3.3E+03	1.6E+03
Oxamyl									2.6E+04	5.1E+04			4.2E-01	2.1E-01	4.2E+01	2.1E+01
Oxychlordane	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.1E+03	1.1E+03	5.2E+03	2.7E+03	5.1E+02	1.0E+03	5.2E+03	2.7E+03	2.8E+01	1.4E+01	2.8E+03	1.4E+03
Paraquat									4.6E+03	9.2E+03			6.3E-01	3.1E-01	6.3E+01	3.1E+01
Parathion (ethyl parathion)									6.1E+03	1.2E+04			9.9E+01	4.9E+01	9.9E+03	4.9E+03
Pebulate									5.1E+04	1.0E+05			7.0E+01	3.5E+01	7.0E+03	3.5E+03
Pendimethalin									4.1E+04	8.2E+04			2.2E+04	1.1E+04	2.2E+06	1.1E+06
Pentachlorobenzene									8.2E+02	1.6E+03			7.4E+01	3.7E+01	7.4E+03	3.7E+03
Pentachloroethane	1.6E+02	8.1E+01	3.2E+02		1.6E+02	8.1E+01			3.1E+04				2.2E-01	1.1E-01	2.2E+01	1.1E+01
Pentachloronitrobenzene			1.1E+02	2.2E+02					3.1E+03	6.1E+03			4.1E+00	2.1E+00	4.1E+02	2.1E+02
Pentachlorophenol			7.2E+01	5.7E+01					5.1E+03	4.1E+03			1.8E-02	9.2E-03	1.8E+00	9.2E-01
Pentadiene, 1,3-cis-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	5.6E+01	2.8E+01	5.6E+03	2.8E+03
Pentadiene, 1,3-trans-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	3.9E+01	1.9E+01	3.9E+03	1.9E+03
Pentaerythritol tetranitrate (PETN)									2.0E+03	4.1E+03			3.7E+01	1.8E+01	3.7E+03	1.8E+03
Pentane							5.2E+05	2.7E+05	7.2E+05		5.2E+05	2.7E+05	1.2E+04	6.0E+03	1.2E+06	6.0E+05
Pentane, 2-methyl-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	1.1E+03	5.7E+02	1.1E+05	5.7E+04
Pentane, 3-methyl-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	9.3E+02	4.7E+02	9.3E+04	4.7E+04
Pentanediol, 1,5-							3.9E+06	2.0E+06	5.1E+06	1.0E+07	3.9E+06	2.0E+06	7.2E+02	3.6E+02	7.2E+04	3.6E+04
Pentanol, 1-									3.4E+04				6.8E+00	3.4E+00	6.8E+02	3.4E+02
Pentanol, 4-methyl-2-									2.7E+04				5.3E+00	2.6E+00	5.3E+02	2.6E+02
Pentanone, 2-									4.1E+04				6.6E+00	3.3E+00	6.6E+02	3.3E+02
Pentene, 2-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	1.4E+02	7.0E+01	1.4E+04	7.0E+03
Pentyne, 1-							3.9E+05	2.0E+05	6.1E+04		3.9E+05	2.0E+05	3.8E+01	1.9E+01	3.8E+03	1.9E+03
Perchlorate									7.2E+02	2.9E+03			4.2E-01	2.1E-01	4.2E+01	2.1E+01
Perylene									2.0E+04	4.1E+04			2.3E+05	1.1E+05	2.3E+07	1.1E+07
Phenacetin	1.8E+04	9.4E+03	1.3E+04	2.6E+04	1.8E+04	9.4E+03							2.8E+00	1.4E+00	2.8E+02	1.4E+02
Phenanthrene									3.1E+04	4.7E+04			1.2E+03	6.2E+02	1.2E+05	6.2E+04
Phenanthridine									3.1E+03	6.1E+03			1.6E+01	7.9E+00	1.6E+03	7.9E+02
Phenol									3.1E+05	6.1E+05			5.7E+01	2.9E+01	5.7E+03	2.9E+03

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Phenol, 4-tert-butyl-									5.1E+03	1.0E+04			1.3E+01	6.7E+00	1.3E+03	6.7E+02
Phenothiazine									5.1E+02	1.0E+03			1.1E+01	5.4E+00	1.1E+03	5.4E+02
Phenyl mercuric acetate									8.2E+01	1.6E+02			4.9E-02	2.4E-02	4.9E+00	2.4E+00
Phenylene diamine, m-									6.1E+03	1.2E+04			8.6E-01	4.3E-01	8.6E+01	4.3E+01
Phenylene diamine, p-									1.9E+05	3.9E+05			2.7E+01	1.4E+01	2.7E+03	1.4E+03
Phorate									2.0E+02	4.1E+02			3.2E+00	1.6E+00	3.2E+02	1.6E+02
Phosalone									2.0E+03	4.1E+03			7.0E+00	3.5E+00	7.0E+02	3.5E+02
Phosdrin (mevinphos)									2.6E+01	5.1E+01			3.5E-03	1.8E-03	3.5E-01	1.8E-01
Phosmet									2.0E+04	4.1E+04			1.2E+01	6.1E+00	1.2E+03	6.1E+02
Phosphine							6.4E+00	3.3E+00	3.1E+02	1.2E+03	6.4E+00	3.3E+00				
Phosphorotrithioic acid, S,S,S-tributyl ester			3.4E+02						1.0E+03				9.7E+02	4.8E+02	9.7E+04	4.8E+04
Phosphorus, total*																
Phosphorus, white									2.0E+01	8.2E+01			6.9E-02	3.4E-02	6.9E+00	3.4E+00
Phthalic anhydride							7.0E+04	3.6E+04	2.0E+06	4.1E+06	7.0E+04	3.6E+04	7.4E+02	3.7E+02	7.4E+04	3.7E+04
Picloram									7.2E+04	1.4E+05			9.8E-01	4.9E-01	9.8E+01	4.9E+01
Picoline, 2- (2-methylpyridine)									9.2E+03				1.7E+00	8.4E-01	1.7E+02	8.4E+01
Polybrominated biphenyls (PBBs)			3.2E+00	6.4E+00					7.2E+00	1.4E+01			2.0E-02	1.0E-02	2.0E+00	1.0E+00
Polychlorinated biphenyls (PCBs)	9.1E+01	4.7E+01	1.4E+01	2.0E+01	9.1E+01	4.7E+01			2.0E+01	2.9E+01			1.1E+01	5.3E+00	1.1E+03	5.3E+02
Potassium*																
Primene									6.1E+03	1.2E+04			1.6E+02	8.1E+01	1.6E+04	8.1E+03
Prometon (pramitol)									1.5E+04	3.1E+04			2.9E+01	1.4E+01	2.9E+03	1.4E+03
Pronamide									7.7E+04	1.5E+05			5.4E+01	2.7E+01	5.4E+03	2.7E+03
Propanal (propionaldehyde)							1.7E+02	8.8E+01	8.2E+03		1.7E+02	8.8E+01	1.2E+00	5.9E-01	1.2E+02	5.9E+01
Propane, 1-bromo-									3.7E+04				1.0E+01	5.1E+00	1.0E+03	5.1E+02
Propanil									5.1E+03	1.0E+04			1.4E+01	6.9E+00	1.4E+03	6.9E+02
Propanoic acid (propionic acid)									5.1E+05				7.0E+01	3.5E+01	7.0E+03	3.5E+03
Propanol, 1-									2.0E+05				3.0E+01	1.5E+01	3.0E+03	1.5E+03
Propargite									2.0E+04	4.1E+04			3.3E+02	1.6E+02	3.3E+04	1.6E+04
Propargyl alcohol									2.0E+03				3.1E-01	1.6E-01	3.1E+01	1.6E+01
Propazine			6.4E+02	1.3E+03					2.0E+04	4.1E+04			2.1E+00	1.1E+00	2.1E+02	1.1E+02
Propham									2.0E+04	4.1E+04			5.8E+00	2.9E+00	5.8E+02	2.9E+02
Propionitrile (propane nitrile)									4.1E+02				5.8E-02	2.9E-02	5.8E+00	2.9E+00
Propyl acetate, n-									9.2E+04				1.6E+01	7.9E+00	1.6E+03	7.9E+02
Propylbenzene, n-							8.9E+03	4.6E+03	4.1E+04		8.9E+03	4.6E+03	1.3E+02	6.7E+01	1.3E+04	6.7E+03
Propylene glycol							5.1E+02	2.6E+02	2.0E+07	4.1E+07	5.1E+02	2.6E+02	2.8E+03	1.4E+03	2.8E+05	1.4E+05
Propylene glycol monomethyl ether							3.2E+05	1.7E+05	7.2E+05		3.2E+05	1.7E+05	9.9E+01	5.0E+01	9.9E+03	5.0E+03
Propylene oxide	1.6E+02	8.4E+01	1.2E+02		1.6E+02	8.4E+01	6.4E+02	3.3E+02			6.4E+02	3.3E+02	1.7E-02	8.4E-03	1.7E+00	8.4E-01
Propylene tetramer							2.1E+04	1.1E+04	1.0E+05	2.0E+05	2.1E+04	1.1E+04	7.6E+04	3.8E+04	7.6E+06	3.8E+06
Prothiofos (Tokuthion)									1.0E+02	2.0E+02			7.2E+03	3.6E+03	7.2E+05	3.6E+05
Pyrene									3.1E+04	4.7E+04			3.3E+03	1.7E+03	3.3E+05	1.7E+05
Pyridine									1.0E+03				2.1E-01	1.0E-01	2.1E+01	1.0E+01
Quinoline			9.5E+00	1.9E+01									1.7E-02	8.4E-03	1.7E+00	8.4E-01
Ronnel									5.1E+04	1.0E+05			1.2E+03	6.2E+02	1.2E+05	6.2E+04
Safrole	1.1E+02	5.8E+01	1.3E+02	2.6E+02	1.1E+02	5.8E+01							3.7E-01	1.8E-01	3.7E+01	1.8E+01
Selenium									5.1E+03	1.0E+05			2.3E+00	1.1E+00	2.3E+02	1.1E+02
Selenourea									5.1E+03							
Silver									5.1E+03	4.1E+03			1.4E+00	7.1E-01	1.4E+02	7.1E+01
Simazine			2.4E+02	4.8E+02					5.1E+03	1.0E+04			5.5E-02	2.8E-02	5.5E+00	2.8E+00
Sodium*																
Sodium diethyldithiocarbamate			1.1E+02						3.1E+04							

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Sodium hypochlorite							4.2E+05	2.2E+05	2.1E+05	8.6E+05						
Sodium polyacrylate							1.7E+02	8.7E+01	5.1E+05		1.7E+02	8.7E+01	7.2E+01	3.6E+01	7.2E+03	3.6E+03
Strontium									6.1E+05	2.5E+06			1.8E+03	9.2E+02	1.8E+05	9.2E+04
Strychnine									3.1E+02	6.1E+02			1.1E-01	5.6E-02	1.1E+01	5.6E+00
Styrene							1.6E+04	8.1E+03	2.0E+05		1.6E+04	8.1E+03	3.3E+00	1.6E+00	3.3E+02	1.6E+02
Sulfate*																
Sulfide*																
Sulfolane							1.2E+03	6.2E+02	1.3E+04	2.7E+04	1.2E+03	6.2E+02	1.8E+00	9.1E-01	1.8E+02	9.1E+01
Sulfur*																
Sulprofos (Bolstar)									3.1E+03	6.1E+03			2.3E+04	1.1E+04	2.3E+06	1.1E+06
Tebuconazole									3.1E+04	6.1E+04			9.4E+01	4.7E+01	9.4E+03	4.7E+03
Tebuthiuron									7.2E+04	1.4E+05			1.6E+01	8.1E+00	1.6E+03	8.1E+02
Terbufos									2.6E+01	5.1E+01			1.0E+00	5.0E-01	1.0E+02	5.0E+01
Tert-amyl ethyl ether (TAEE)									4.1E+04				2.8E+01	1.4E+01	2.8E+03	1.4E+03
Tert-amyl-methyl ether (TAME)									4.1E+04				1.1E+01	5.7E+00	1.1E+03	5.7E+02
Tert-butyl alcohol (2-methyl-2-propanol)									9.2E+04				1.4E+01	6.9E+00	1.4E+03	6.9E+02
Tetrachlorobenzene, 1,2,3,4-									3.1E+02	6.1E+02			3.6E+01	1.8E+01	3.6E+03	1.8E+03
Tetrachlorobenzene, 1,2,3,5-									3.1E+02	6.1E+02			5.6E+00	2.8E+00	5.6E+02	2.8E+02
Tetrachlorobenzene, 1,2,4,5-									3.1E+02	6.1E+02			1.4E+00	7.2E-01	1.4E+02	7.2E+01
Tetrachloroethane, 1,1,1,2-	1.5E+02	7.8E+01	1.1E+03		1.5E+02	7.8E+01			3.1E+04				3.2E+00	1.6E+00	3.2E+02	1.6E+02
Tetrachloroethane, 1,1,2,2-			1.4E+02						2.0E+04				5.2E-02	2.6E-02	5.2E+00	2.6E+00
Tetrachloroethylene	1.6E+03	8.1E+02	1.4E+04		1.6E+03	8.1E+02	8.0E+03	4.1E+03	6.1E+03		8.0E+03	4.1E+03	5.0E-02	2.5E-02	5.0E+00	2.5E+00
Tetrachlorophenol, 2,3,4,5-									3.1E+04	6.1E+04			4.4E+01	2.2E+01	4.4E+03	2.2E+03
Tetrachlorophenol, 2,3,4,6-									3.1E+04	6.1E+04			1.3E+01	6.7E+00	1.3E+03	6.7E+02
Tetrachlorophenol, 2,3,5,6-									3.1E+04	6.1E+04			6.5E+00	3.2E+00	6.5E+02	3.2E+02
Tetrachlorvinphos (Stirophos)									4.3E+04	8.6E+04			7.1E+03	3.5E+03	7.1E+05	3.5E+05
Tetradifon									2.0E+04	4.1E+04			2.6E+02	1.3E+02	2.6E+04	1.3E+04
Tetraethyl dithiopyrophosphate (sulfotep)									5.1E+02	1.0E+03			1.2E+00	5.8E-01	1.2E+02	5.8E+01
Tetraethyl lead									1.0E-01	2.0E-01			1.5E-03	7.5E-04	1.5E-01	7.5E-02
Tetraethyl pyrophosphate (TEPP)									1.1E+01	2.2E+01			2.8E-02	1.4E-02	2.8E+00	1.4E+00
Tetraethylene glycol									3.4E+05	6.7E+05			4.6E+01	2.3E+01	4.6E+03	2.3E+03
Tetrahydrofuran	3.2E+02	1.6E+02	3.8E+03		3.2E+02	1.6E+02	4.3E+04	2.2E+04	9.2E+05		4.3E+04	2.2E+04	5.6E-01	2.8E-01	5.6E+01	2.8E+01
Tetrahydropyran	3.4E+02	1.7E+02	3.8E+03		3.4E+02	1.7E+02			2.0E+05				6.1E-01	3.0E-01	6.1E+01	3.0E+01
Tetraoxadodecane, 2,5,8,11-									2.6E+04				5.1E+00	2.6E+00	5.1E+02	2.6E+02
Thallium and compounds (as thallium chloride)									8.2E+01	1.6E+03			1.7E+00	8.7E-01	1.7E+02	8.7E+01
Thiofanox									3.1E+02	6.1E+02			9.4E-02	4.7E-02	9.4E+00	4.7E+00
Thionazin									7.2E+01	1.4E+02			3.3E-02	1.7E-02	3.3E+00	1.7E+00
Thiophanate-methyl									8.2E+04	1.6E+05			1.3E+01	6.6E+00	1.3E+03	6.6E+02
Thiram									5.1E+03	1.0E+04			1.0E+01	5.2E+00	1.0E+03	5.2E+02
Tin									6.1E+05	1.2E+06			1.1E+05	5.5E+04	1.1E+07	5.5E+06
Titanium									5.1E+06	3.1E+06						
Toluene							8.8E+04	4.5E+04	8.2E+04		8.8E+04	4.5E+04	8.2E+00	4.1E+00	8.2E+02	4.1E+02
Toluene diisocyanate, 2,4/2,6-							2.0E+02	1.0E+02			2.0E+02	1.0E+02				
Toluenediamine, 2,4-			8.9E+00	1.8E+01									3.4E-02	1.7E-02	3.4E+00	1.7E+00
Toluenediamine, 2,6-									3.1E+04	6.1E+04			4.3E+00	2.2E+00	4.3E+02	2.2E+02
Toluidine, o-	2.3E+02	1.2E+02	1.2E+02	2.4E+02	2.3E+02	1.2E+02							8.6E-02	4.3E-02	8.6E+00	4.3E+00
Toluidine, p-			1.5E+02	3.0E+02									3.1E-02	1.6E-02	3.1E+00	1.6E+00
Toxaphene	1.6E+03	8.1E+02	2.6E+01	5.2E+01	1.6E+03	8.3E+02							1.2E+01	5.8E+00	1.2E+03	5.8E+02
TPH, TX1005, C6-C12							4.3E+03	2.2E+03	4.1E+04		4.3E+03	2.2E+03	1.9E+02	9.7E+01	1.9E+04	9.7E+03
TPH, TX1005, >C12-C28							2.1E+04	1.1E+04	4.1E+04	8.2E+04	2.1E+04	1.1E+04	5.9E+02	3.0E+02	5.9E+04	3.0E+04

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
TPH, TX1005, >C12-C35							2.1E+04	1.1E+04	4.1E+04	8.2E+04	2.1E+04	1.1E+04	5.9E+02	3.0E+02	5.9E+04	3.0E+04
TPH, TX1005, >C28-C35							2.1E+04	1.1E+04	4.1E+04	8.2E+04	2.1E+04	1.1E+04	5.9E+02	3.0E+02	5.9E+04	3.0E+04
TP Silvex, 2,4,5-									8.2E+03	1.6E+04			5.3E+00	2.6E+00	5.3E+02	2.6E+02
Triademenol									3.1E+04	6.1E+04			2.5E+01	1.2E+01	2.5E+03	1.2E+03
Triallate									1.3E+04	2.7E+04			5.6E+01	2.8E+01	5.6E+03	2.8E+03
Triaminotrinitrobenzene (TATB)			9.5E+02	1.9E+03					3.1E+03	6.1E+03			1.4E-01	7.2E-02	1.4E+01	7.2E+00
Tributyltin oxide									3.1E+02	6.1E+02						
Trichloro-1,2,2-trifluoroethane, 1,1,2-							6.4E+05	3.3E+05	3.1E+07		6.4E+05	3.3E+05	2.4E+05	1.2E+05	2.4E+07	1.2E+07
Trichlorobenzene, 1,2,3-							4.2E+02	2.2E+02	3.1E+03	6.1E+03	4.2E+02	2.2E+02	7.9E+01	3.9E+01	7.9E+03	3.9E+03
Trichlorobenzene, 1,2,4-			9.9E+02	2.0E+03			2.1E+02	1.1E+02	1.0E+04	2.0E+04	2.1E+02	1.1E+02	4.8E+00	2.4E+00	4.8E+02	2.4E+02
Trichlorobenzene, 1,3,5-							1.8E+02	9.1E+01	3.1E+03	6.1E+03	1.8E+02	9.1E+01	2.2E+01	1.1E+01	2.2E+03	1.1E+03
Trichloroethane, 1,1,1-							1.1E+05	5.6E+04	2.0E+06		1.1E+05	5.6E+04	1.6E+00	8.1E-01	1.6E+02	8.1E+01
Trichloroethane, 1,1,2-	3.8E+01	1.9E+01	5.0E+02		3.8E+01	1.9E+01			4.1E+03				2.0E-02	1.0E-02	2.0E+00	1.0E+00
Trichloroethylene	1.5E+02	7.5E+01	6.2E+02		1.5E+02	7.5E+01	4.3E+01	2.2E+01	5.1E+02		4.3E+01	2.2E+01	3.4E-02	1.7E-02	3.4E+00	1.7E+00
Trichlorofluoromethane									3.1E+05				3.8E+02	1.9E+02	3.8E+04	1.9E+04
Trichloronate									3.1E+03	6.1E+03			3.7E+02	1.8E+02	3.7E+04	1.8E+04
Trichlorophenol, 2,3,4-									1.0E+05	2.0E+05			1.8E+02	8.9E+01	1.8E+04	8.9E+03
Trichlorophenol, 2,3,5-									1.0E+05	2.0E+05			8.3E+01	4.1E+01	8.3E+03	4.1E+03
Trichlorophenol, 2,3,6-									1.0E+05	2.0E+05			8.6E+01	4.3E+01	8.6E+03	4.3E+03
Trichlorophenol, 2,4,5-									1.0E+05	2.0E+05			1.0E+02	5.1E+01	1.0E+04	5.1E+03
Trichlorophenol, 2,4,6-	3.3E+03	1.7E+03	2.6E+03	5.2E+03	3.3E+03	1.7E+03			1.0E+03	2.0E+03			5.2E-01	2.6E-01	5.2E+01	2.6E+01
Trichlorophenol, 3,4,5-									1.0E+05	2.0E+05			9.8E+02	4.9E+02	9.8E+04	4.9E+04
Trichlorophenoxyacetic acid, 2,4,5-									1.0E+04	2.0E+04			2.9E+00	1.5E+00	2.9E+02	1.5E+02
Trichloropropane, 1,1,2-							6.4E+00	3.3E+00	5.1E+03		6.4E+00	3.3E+00	4.3E+00	2.2E+00	4.3E+02	2.2E+02
Trichloropropane, 1,2,3-			9.5E-01				2.0E+01	1.0E+01	4.1E+03		2.0E+01	1.0E+01	1.2E-03	6.0E-04	1.2E-01	6.0E-02
Triethanolamine									2.0E+05	4.1E+05			2.8E+01	1.4E+01	2.8E+03	1.4E+03
Triethylamine							1.5E+02	7.7E+01			1.5E+02	7.7E+01				
Triethylene glycol									3.1E+06	6.1E+06			4.2E+02	2.1E+02	4.2E+04	2.1E+04
Triethylphosphorothioate, O, O, O-									8.5E+00	1.7E+01			1.3E-02	6.5E-03	1.3E+00	6.5E-01
Trifluralin			3.7E+03	7.4E+03					7.7E+03	1.5E+04			1.5E+02	7.3E+01	1.5E+04	7.3E+03
Trimethylamine							2.1E+02	1.1E+02			2.1E+02	1.1E+02				
Trimethylbenzene, 1,2,3-							1.7E+02	8.7E+01	5.1E+04		1.7E+02	8.7E+01	9.4E+01	4.7E+01	9.4E+03	4.7E+03
Trimethylbenzene, 1,2,4-							2.2E+02	1.1E+02	5.1E+04		2.2E+02	1.1E+02	1.4E+02	7.2E+01	1.4E+04	7.2E+03
Trimethylbenzene, 1,3,5-							1.6E+02	8.3E+01	5.1E+04		1.6E+02	8.3E+01	1.6E+02	7.9E+01	1.6E+04	7.9E+03
Trinitrobenzene, 1,3,5-									3.1E+04	6.1E+04			5.4E+00	2.7E+00	5.4E+02	2.7E+02
Trinitrophenylmethylnitramine (tetryl; nitramine)									4.1E+03	8.2E+03			3.3E+00	1.6E+00	3.3E+02	1.6E+02
Trinitrotoluene, 2,4,6-			9.5E+02	1.9E+03					5.1E+02	1.0E+03			5.1E-01	2.6E-01	5.1E+01	2.6E+01
Uranium (soluble salts)							4.1E+05	2.1E+05	3.1E+03	6.1E+04			1.8E+03	8.9E+02	1.8E+05	8.9E+04
Valeric acid (pentanoic acid)							1.8E+02	9.5E+01	5.1E+05	1.0E+06	1.8E+02	9.5E+01	7.0E+01	3.5E+01	7.0E+03	3.5E+03
Vanadium							4.1E+04	2.1E+04	1.8E+03	9.6E+02			2.6E+03	1.3E+03	2.6E+05	1.3E+05
Vernam									1.0E+03	2.0E+03			8.2E+00	4.1E+00	8.2E+02	4.1E+02
Vinyl acetate							4.3E+03	2.2E+03	1.0E+06		4.3E+03	2.2E+03	1.6E+02	8.0E+01	1.6E+04	8.0E+03
Vinyl chloride	7.2E+01	3.7E+01	1.9E+01		7.2E+01	3.7E+01	1.3E+03	6.6E+02	3.1E+03		1.3E+03	6.6E+02	2.2E-02	1.1E-02	2.2E+00	1.1E+00
Vinylcyclohexane									5.1E+05				4.2E+03	2.1E+03	4.2E+05	2.1E+05
Warfarin									3.1E+02	6.1E+02			8.4E-01	4.2E-01	8.4E+01	4.2E+01
Xylene, m-							1.3E+04	6.7E+03	2.0E+06		1.3E+04	6.7E+03	1.1E+02	5.3E+01	1.1E+04	5.3E+03
Xylene, o-							9.5E+04	4.9E+04	2.0E+06		9.5E+04	4.9E+04	7.1E+01	3.5E+01	7.1E+03	3.5E+03
Xylene, p-							1.3E+04	6.7E+03	2.0E+06		1.3E+04	6.7E+03	1.5E+02	7.5E+01	1.5E+04	7.5E+03
Xylenes							1.3E+04	6.7E+03	2.0E+05		1.3E+04	6.7E+03	1.2E+02	6.1E+01	1.2E+04	6.1E+03
Zinc									3.1E+05	1.2E+06			7.0E+03	3.5E+03	7.0E+05	3.5E+05

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic						Noncarcinogenic									
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)
Footnotes																
[1]For subsurface soils only																
[2]Please contact the TCEQ for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.																
[3]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).																
[4]Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.																
*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.																
NA = not applicable																
All values capped at 1E+06																

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Acenaphthene			1.5E+00	1.5E+02					4.4E+00	4.4E+02		
Acenaphthylene			1.5E+00	1.5E+02					4.4E+00	4.4E+02		
Acetaldehyde			2.4E+00	2.4E+02	2.4E+03	3.1E+02			7.3E+00	7.3E+02	3.3E+03	4.3E+02
Acetate, 2-ethoxyethanol			2.4E+00	2.4E+02	4.5E+05	5.8E+04			7.3E+00	7.3E+02	6.3E+05	8.1E+04
Acetate, isoamyl			1.8E+00	1.8E+02					5.3E+00	5.3E+02		
Acetate, isobutyl			1.2E+00	1.2E+02					3.5E+00	3.5E+02		
Acetate, sec-butyl			1.2E+00	1.2E+02					3.5E+00	3.5E+02		
Acetic acid*												
Acetone (2-propanone)			2.2E+01	2.2E+03	1.3E+07	1.7E+06			6.6E+01	6.6E+03	1.9E+07	2.4E+06
Acetone cyanohydrin			7.3E-02	7.3E+00	3.4E+05	4.4E+04			2.2E-01	2.2E+01	4.8E+05	6.2E+04
Acetonitrile			7.8E-01	7.8E+01	3.2E+04	4.2E+03			2.3E+00	2.3E+02	4.5E+04	5.8E+03
Acetophenone			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Acetylaminofluorene, 2-	2.4E-04	2.4E-02			6.3E+02	1.0E+02	5.4E-04	5.4E-02			1.1E+03	1.8E+02
Acifluorfen, sodium			3.2E-01	3.2E+01					9.5E-01	9.5E+01		
Acridine			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Acrolein			1.2E-02	1.2E+00	1.8E+03	2.3E+02			3.7E-02	3.7E+00	2.5E+03	3.2E+02
Acrylamide	1.8E-03	1.8E-01	4.9E-02	4.9E+00	3.8E+03	5.0E+02	4.1E-03	4.1E-01	1.5E-01	1.5E+01	6.3E+03	8.4E+02
Acrylic acid			1.2E+01	1.2E+03	1.5E+04	2.0E+03			3.7E+01	3.7E+03	2.1E+04	2.7E+03
Acrylonitrile	1.7E-03	1.7E-01	2.4E-02	2.4E+00	5.8E+01	7.5E+00	3.8E-03	3.8E-01	7.3E-02	7.3E+00	9.7E+01	1.3E+01
Adipic acid (hexanedioic acid)			4.9E+01	4.9E+03					1.5E+02	1.5E+04		
Alachlor												
Aldicarb												
Aldicarb sulfone												
Aldrin	5.4E-05	5.4E-03	7.3E-04	7.3E-02	4.4E+00	5.7E-01	1.2E-04	1.2E-02	2.2E-03	2.2E-01	7.4E+00	9.6E-01
Allyl alcohol			1.2E-01	1.2E+01	3.0E+02	3.8E+01			3.7E-01	3.7E+01	4.1E+02	5.4E+01
Allyl chloride			2.4E-01	2.4E+01	9.1E+00	1.2E+00			7.3E-01	7.3E+01	1.3E+01	1.7E+00
Aluminum			2.4E+01	2.4E+03					7.3E+01	7.3E+03		
Ametryn			2.2E-01	2.2E+01					6.6E-01	6.6E+01		
Amino-2,6-dinitrotoluene, 4-	9.1E-02	9.1E+00	4.1E-03	4.1E-01			2.0E-01	2.0E+01	1.2E-02	1.2E+00		
Amino-4,6-dinitrotoluene, 2-	9.1E-02	9.1E+00	4.1E-03	4.1E-01			2.0E-01	2.0E+01	1.2E-02	1.2E+00		
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	1.5E-04	1.5E-02					3.4E-04	3.4E-02				
Aminopyridine, 4-			4.9E-04	4.9E-02					1.5E-03	1.5E-01		
Ammonia					2.7E+03	3.5E+02					3.8E+03	4.9E+02
Ammonium polyphosphate*												
Ammonium salts*												
Aniline	1.6E-01	1.6E+01	1.7E-01	1.7E+01	1.1E+04	1.4E+03	3.6E-01	3.6E+01	5.1E-01	5.1E+01	1.6E+04	2.0E+03
Anthracene			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Anthraquinone, 9,10-	2.3E-02	2.3E+00	4.9E-01	4.9E+01			5.2E-02	5.2E+00	1.5E+00	1.5E+02		

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Antimony												
Aramite	3.7E-02	3.7E+00	1.2E+00	1.2E+02			8.2E-02	8.2E+00	3.7E+00	3.7E+02		
Arsenic												
Arsine												
Asbestos												
Atrazine												
Azinphos-methyl (guthion)			3.7E-02	3.7E+00					1.1E-01	1.1E+01		
Azobenzene	8.3E-03	8.3E-01			6.8E+02	8.8E+01	1.9E-02	1.9E+00			1.1E+03	1.5E+02
Barium												
Bayleton			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Benefin (benfluralin)			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Benomyl			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Benz-a-anthracene	1.3E-03	1.3E-01			2.0E+03	2.6E+02	2.8E-03	2.8E-01			3.4E+03	4.4E+02
Benzaldehyde			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Benzene					1.8E+02	2.3E+01					3.0E+02	3.9E+01
Benzenedicarbonitrile, 1,3-			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Benzenedicarboxylic acid, 1,2-disodecyl ester			9.8E-01	9.8E+01	1.5E+05	1.9E+04			2.9E+00	2.9E+02	2.0E+05	2.6E+04
Benzenethiol			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Benzidine	4.0E-06	4.0E-04	7.3E-02	7.3E+00	5.0E+00	8.4E-01	8.9E-06	8.9E-04	2.2E-01	2.2E+01	8.4E+00	1.4E+00
Benzo-a-pyrene					3.9E+02	5.0E+01					6.5E+02	8.4E+01
Benzo-b-fluoranthene	1.3E-03	1.3E-01			1.6E+03	2.1E+02	2.8E-03	2.8E-01			2.7E+03	3.5E+02
Benzo-e-pyrene			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Benzo-g,h,i-perylene			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Benzoic acid			9.8E+01	9.8E+03					2.9E+02	2.9E+04		
Benzo-j-fluoranthene	1.3E-03	1.3E-01			1.0E+03	1.3E+02	2.8E-03	2.8E-01			1.7E+03	2.3E+02
Benzo-k-fluoranthene	1.3E-02	1.3E+00			9.7E+04	1.3E+04	2.8E-02	2.8E+00			1.6E+05	2.1E+04
Benzophenone			1.6E-01	1.6E+01					4.9E-01	4.9E+01		
Benzotrichloride	7.0E-05	7.0E-03					1.6E-04	1.6E-02				
Benzoyl peroxide			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Benzyl alcohol			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Benzyl chloride	5.4E-03	5.4E-01	4.9E-02	4.9E+00	1.0E+02	1.3E+01	1.2E-02	1.2E+00	1.5E-01	1.5E+01	1.4E+02	1.8E+01
Benzyl dichloride	5.4E-03	5.4E-01	4.9E-02	4.9E+00	2.0E+02	2.6E+01	1.2E-02	1.2E+00	1.5E-01	1.5E+01	2.8E+02	3.6E+01
Beryllium												
Biphenyl, 1,1-			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Biphenyl, 1,1'-, 2-phenoxy-			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Biquinoline, 2,2'-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Bis (2-chloroethoxy) methane	8.3E-04	8.3E-02	7.3E-02	7.3E+00	8.0E+01	1.0E+01	1.9E-03	1.9E-01	2.2E-01	2.2E+01	1.3E+02	1.7E+01
Bis (2-chloroethyl) ether	8.3E-04	8.3E-02			9.3E+01	1.2E+01	1.9E-03	1.9E-01			1.6E+02	2.0E+01

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{GW}GW_{Ing}$[1] (mg/L)	${}^{GW}GW_{Class\ 3}$[2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Bis (2-chloroisopropyl) ether	1.3E-02	1.3E+00	9.8E-01	9.8E+01	8.7E+02	1.1E+02	2.9E-02	2.9E+00	2.9E+00	2.9E+02	1.5E+03	1.9E+02
Bis (2-chloromethyl) ether	4.1E-06	4.1E-04			8.5E-02	1.1E-02	9.3E-06	9.3E-04			1.4E-01	1.9E-02
Bis (2-ethyl-hexyl) phthalate												
Bismuth			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Bisphenol A			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Boron			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Bromacil			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Bromo-2-chloroethane, 1-			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Bromobenzene			2.0E-01	2.0E+01	2.3E+03	2.9E+02			5.8E-01	5.8E+01	3.2E+03	4.1E+02
Bromodichloromethane[3]	1.5E-02	1.5E+00	4.9E-01	4.9E+01			3.3E-02	3.3E+00	1.5E+00	1.5E+02		
Bromoform[3]	1.2E-01	1.2E+01	4.9E-01	4.9E+01	5.1E+03	6.7E+02	2.6E-01	2.6E+01	1.5E+00	1.5E+02	8.6E+03	1.1E+03
Bromomethane			3.4E-02	3.4E+00	4.6E+01	6.0E+00			1.0E-01	1.0E+01	6.4E+01	8.3E+00
Bromophenyl phenylether, 4-	6.1E-05	6.1E-03			1.6E+00	2.0E-01	1.4E-04	1.4E-02			2.7E+00	3.4E-01
Butadiene, 1,3-					3.6E+01	4.7E+00					5.1E+01	6.6E+00
Butadiene, 2-methyl-1,3- (isoprene)			1.5E+00	1.5E+02	8.2E+04	1.1E+04			4.4E+00	4.4E+02	1.2E+05	1.5E+04
Butanal (butyraldehyde)			1.5E+00	1.5E+02					4.4E+00	4.4E+02		
Butane, 2,3-dimethyl-			1.5E+00	1.5E+02	2.4E+03	3.0E+02			4.4E+00	4.4E+02	3.3E+03	4.3E+02
Butanoic acid (butyric acid)			1.2E+01	1.2E+03	1.9E+04	2.5E+03			3.7E+01	3.7E+03	2.7E+04	3.4E+03
Butanol, 1-, 2-Me-			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Butanol, 2-			4.9E+01	4.9E+03	5.2E+07	6.8E+06			1.5E+02	1.5E+04	7.3E+07	9.5E+06
Butanol, 2-methyl-2-			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Butanol, n-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Butene, 1-			1.5E+00	1.5E+02	1.0E+04	1.3E+03			4.4E+00	4.4E+02	1.4E+04	1.8E+03
Butene, cis-2-			1.5E+00	1.5E+02	1.4E+04	1.9E+03			4.4E+00	4.4E+02	2.0E+04	2.6E+03
Butene, trans-2-			1.5E+00	1.5E+02	1.4E+04	1.9E+03			4.4E+00	4.4E+02	2.0E+04	2.6E+03
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)			2.4E+00	2.4E+02	3.0E+07	3.9E+06			7.3E+00	7.3E+02	4.3E+07	5.5E+06
Butyl acetate			3.4E+00	3.4E+02	9.2E+04	1.2E+04			1.0E+01	1.0E+03	1.3E+05	1.7E+04
Butyl acrylate			2.2E-01	2.2E+01					6.6E-01	6.6E+01		
Butyl benzyl phthalate	4.8E-01	4.8E+01	4.9E+00	4.9E+02			1.1E+00	1.1E+02	1.5E+01	1.5E+03		
Butyl ether, n- (dibutyl ether)			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Butyl methacrylate			2.2E+00	2.2E+02					6.6E+00	6.6E+02		
Butylate			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Butylbenzene, n-			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Butylbenzene, sec-			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Butylbenzene, tert-			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Cacodylic acid			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Cadmium												
Calcium*												

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Caprolactam			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Captan	2.6E-01	2.6E+01	3.2E+00	3.2E+02			5.8E-01	5.8E+01	9.5E+00	9.5E+02		
Carbaryl			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Carbazole	4.6E-02	4.6E+00					1.0E-01	1.0E+01				
Carbofuran												
Carbon disulfide			2.4E+00	2.4E+02	4.9E+03	6.3E+02			7.3E+00	7.3E+02	6.8E+03	8.8E+02
Carbon tetrachloride					2.0E+01	2.5E+00					3.3E+01	4.3E+00
Carbophenothion			3.2E-01	3.2E+01					9.5E-01	9.5E+01		
Carbosulfan			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Carboxin			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Chloral			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)			3.7E-01	3.7E+01					1.1E+00	1.1E+02		
Chlordane (technical)					7.7E+02	9.9E+01					1.3E+03	1.7E+02
Chlordane, cis- (alpha chlordane)	2.6E-03	2.6E-01	1.2E-02	1.2E+00	1.5E+02	2.0E+01	5.8E-03	5.8E-01	3.7E-02	3.7E+00	2.6E+02	3.3E+01
Chlordane, gamma	2.6E-03	2.6E-01	1.2E-02	1.2E+00	1.5E+02	2.0E+01	5.8E-03	5.8E-01	3.7E-02	3.7E+00	2.6E+02	3.3E+01
Chlorfenvinphos			1.7E-02	1.7E+00					5.1E-02	5.1E+00		
Chloride*												
Chlorine					2.2E-01	2.8E-02					3.1E-01	4.0E-02
Chloro-1,3-butadiene, 2-					2.8E-01	3.7E-02					4.7E-01	6.1E-02
Chloro-2-propanol, 1-			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Chloro-3-methylphenol, 4-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Chloroaniline, p-	4.6E-03	4.6E-01	9.8E-02	9.8E+00			1.0E-02	1.0E+00	2.9E-01	2.9E+01		
Chlorobenzene					1.2E+03	1.5E+02					1.6E+03	2.1E+02
Chlorobenzilate	3.4E-03	3.4E-01	4.9E-01	4.9E+01	7.0E+03	9.0E+02	7.6E-03	7.6E-01	1.5E+00	1.5E+02	1.2E+04	1.5E+03
Chlorobromomethane (bromochloromethane)			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Chlorodifluoromethane					1.7E+05	2.2E+04					2.4E+05	3.1E+04
Chloroethane (ethyl chloride)			9.8E+00	9.8E+02	1.2E+05	1.5E+04			2.9E+01	2.9E+03	1.6E+05	2.1E+04
Chloroethanol, 2-			9.8E+00	9.8E+02					2.9E+01	2.9E+03		
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	8.3E-04	8.3E-02	4.9E-02	4.9E+00	2.0E+01	2.5E+00	1.9E-03	1.9E-01	1.5E-01	1.5E+01	2.7E+01	3.5E+00
Chloroform[3]			2.4E-01	2.4E+01	2.0E+01	2.6E+00			7.3E-01	7.3E+01	3.3E+01	4.3E+00
Chlorohexane, 1-			9.8E-01	9.8E+01	7.3E+03	9.4E+02			2.9E+00	2.9E+02	1.0E+04	1.3E+03
Chloromethane (methyl chloride)	7.0E-02	7.0E+00			3.6E+01	4.7E+00	1.6E-01	1.6E+01			6.1E+01	7.9E+00
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)			2.0E+00	2.0E+02					5.8E+00	5.8E+02		
Chloronaphthalene, 2- (chloronaphthalene, beta)			2.0E+00	2.0E+02					5.8E+00	5.8E+02		
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	1.4E-01	1.4E+01	2.4E-02	2.4E+00	7.6E+02	9.9E+01	3.2E-01	3.2E+01	7.3E-02	7.3E+00	1.1E+03	1.4E+02
Chlorophenol, 2-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Chlorophenol, 3-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		

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Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Chlorophenol, 4-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Chlorophenyl phenylether, 4-	6.1E-05	6.1E-03			1.2E+00	1.6E-01	1.4E-04	1.4E-02			2.1E+00	2.7E-01
Chloropropane, 2-			7.3E-01	7.3E+01	4.7E+02	6.0E+01			2.2E+00	2.2E+02	6.5E+02	8.5E+01
Chlorothalonil	8.3E-02	8.3E+00	3.7E-01	3.7E+01			1.9E-01	1.9E+01	1.1E+00	1.1E+02		
Chlorotoluene, o- (2-chlorotoluene)			4.9E-01	4.9E+01	2.4E+04	3.1E+03			1.5E+00	1.5E+02	3.3E+04	4.3E+03
Chlorotoluene, p- (4-chlorotoluene)			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Chlorpyrifos			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Chromium (III)												
Chromium (total)												
Chromium (VI)												
Chrysene	1.3E-01	1.3E+01			5.8E+05	7.5E+04	2.8E-01	2.8E+01			9.8E+05	1.3E+05
Cobalt			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Copolymer acrylamide			4.9E-03	4.9E-01					1.5E-02	1.5E+00		
Copper												
Coronene			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Coumaphos			1.7E-01	1.7E+01					5.1E-01	5.1E+01		
Cresol			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Cresol, m- (3-methylphenol)			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Cresol, o- (2-methylphenol)			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Cresol, p- (4-methylphenol)			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Crotonaldehyde	4.8E-04	4.8E-02	2.4E-02	2.4E+00			1.1E-03	1.1E-01	7.3E-02	7.3E+00		
Cumene (isopropylbenzene)			2.4E+00	2.4E+02	4.4E+03	5.7E+02			7.3E+00	7.3E+02	6.2E+03	8.0E+02
Cyanazine	1.1E-03	1.1E-01	4.9E-02	4.9E+00			2.4E-03	2.4E-01	1.5E-01	1.5E+01		
Cyanide												
Cyanogen			2.4E-02	2.4E+00	7.3E+00	9.4E-01			7.3E-02	7.3E+00	1.0E+01	1.3E+00
Cycloate			1.3E+00	1.3E+02					4.0E+00	4.0E+02		
Cyclohexane			1.2E+02	1.2E+04	5.9E+03	7.7E+02			3.7E+02	3.7E+04	8.3E+03	1.1E+03
Cyclohexanol			1.2E+02	1.2E+04					3.7E+02	3.7E+04		
Cyclohexanone			1.2E+02	1.2E+04	1.4E+06	1.8E+05			3.7E+02	3.7E+04	2.0E+06	2.5E+05
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)			5.4E-01	5.4E+01	1.1E+03	1.4E+02			1.6E+00	1.6E+02	1.5E+03	2.0E+02
Cyclohexene-1-methanol, 3-			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Cyclopentane			1.5E+00	1.5E+02	3.7E+04	4.8E+03			4.4E+00	4.4E+02	5.1E+04	6.7E+03
Cyclopentane, methyl-			2.4E+00	2.4E+02	6.8E+02	8.8E+01			7.3E+00	7.3E+02	9.5E+02	1.2E+02
Cyclopentene			1.2E+02	1.2E+04					3.7E+02	3.7E+04		
Cyclotetramethylenetetranitramine (HMX)			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Cyclotrimethylenetrinitramine (RDX)	8.3E-03	8.3E-01	7.3E-02	7.3E+00			1.9E-02	1.9E+00	2.2E-01	2.2E+01		
Cymene (isopropyltoluene)			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Cymoxanil			3.2E-01	3.2E+01					9.5E-01	9.5E+01		

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Dacthal (DCPA)			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Dalapon, sodium salt (2,2-dichloropropanoic acid)												
DDD	3.8E-03	3.8E-01					8.5E-03	8.5E-01				
DDE	2.7E-03	2.7E-01					6.0E-03	6.0E-01				
DDT	2.7E-03	2.7E-01	1.2E-02	1.2E+00	6.2E+02	8.1E+01	6.0E-03	6.0E-01	3.7E-02	3.7E+00	1.0E+03	1.4E+02
Demeton			9.8E-04	9.8E-02					2.9E-03	2.9E-01		
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Diallate	1.5E-02	1.5E+00					3.4E-02	3.4E+00				
Diazinon			2.2E-02	2.2E+00	4.0E+03	5.2E+02			6.6E-02	6.6E+00	5.6E+03	7.2E+02
Dibenz(a,h)acridine	7.6E-04	7.6E-02			8.1E+03	1.1E+03	1.7E-03	1.7E-01			1.4E+04	1.8E+03
Dibenz(a,j)acridine	1.3E-03	1.3E-01			1.0E+04	1.3E+03	2.8E-03	2.8E-01			1.7E+04	2.2E+03
Dibenz-a,h-anthracene	2.0E-04	2.0E-02			1.0E+03	1.3E+02	2.8E-04	2.8E-02			1.8E+03	2.3E+02
Dibenzo(a,e)pyrene	1.3E-04	1.3E-02			1.0E+03	1.3E+02	2.8E-04	2.8E-02			1.7E+03	2.2E+02
Dibenzo(a,h)pyrene	1.3E-05	1.3E-03			1.0E+02	1.3E+01	2.8E-05	2.8E-03			1.7E+02	2.2E+01
Dibenzo(a,i)pyrene	1.3E-05	1.3E-03			1.0E+02	1.3E+01	2.8E-05	2.8E-03			1.7E+02	2.2E+01
Dibenzofuran			9.8E-02	9.8E+00					2.9E-01	2.9E+01		
Dibenzothiophene			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dibromo-3-chloropropane, 1,2-					6.2E-01	8.0E-02					1.0E+00	1.3E-01
Dibromochloromethane[3] (chlorodibromomethane)	1.1E-02	1.1E+00	4.9E-01	4.9E+01			2.4E-02	2.4E+00	1.5E+00	1.5E+02		
Dibromofluoromethane			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Dicamba			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Dichlormid			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Dichloro-2-butene, 1,4-					6.7E-01	8.7E-02					1.1E+00	1.5E-01
Dichloro-2-butene, 1,4- trans					6.5E-01	8.5E-02					1.1E+00	1.4E-01
Dichlorobenzene, 1,2-					1.2E+03	1.5E+02					1.6E+03	2.1E+02
Dichlorobenzene, 1,3-			7.3E-01	7.3E+01	1.9E+02	2.5E+01			2.2E+00	2.2E+02	2.7E+02	3.4E+01
Dichlorobenzene, 1,4-					3.6E+03	4.6E+02					5.0E+03	6.5E+02
Dichlorobenzidine, 3,3-	2.0E-03	2.0E-01					4.5E-03	4.5E-01				
Dichlorobutane, 2,3-			2.4E-01	2.4E+01	1.4E+02	1.9E+01			7.3E-01	7.3E+01	2.0E+02	2.6E+01
Dichlorodifluoromethane			4.9E+00	4.9E+02	6.0E+01	7.8E+00			1.5E+01	1.5E+03	8.4E+01	1.1E+01
Dichloroethane, 1,1-			4.9E+00	4.9E+02	4.3E+04	5.6E+03			1.5E+01	1.5E+03	6.0E+04	7.8E+03
Dichloroethane, 1,2-					3.3E+01	4.3E+00					5.5E+01	7.2E+00
Dichloroethylene, 1,1-					1.7E+03	2.2E+02					2.3E+03	3.0E+02
Dichloroethylene, cis-1,2-					1.2E+03	1.6E+02					1.7E+03	2.2E+02
Dichloroethylene, trans-1,2					7.7E+02	9.9E+01					1.1E+03	1.4E+02
Dichlorofluoromethane			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Dichlorophenol, 2,3-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dichlorophenol, 2,4-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		

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Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Dichlorophenol, 2,5-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dichlorophenol, 2,6-			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Dichlorophenol, 3,4-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dichlorophenol, 3,5-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)			2.0E-01	2.0E+01					5.8E-01	5.8E+01		
Dichlorophenoxyacetic acid, 2,4- (2,4-D)												
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Dichloropropane, 1,2-					1.2E+02	1.5E+01					1.6E+02	2.1E+01
Dichloropropane, 1,3-	9.1E-03	9.1E-01	4.9E-01	4.9E+01	2.5E+02	3.3E+01	2.0E-02	2.0E+00	1.5E+00	1.5E+02	4.3E+02	5.5E+01
Dichloropropane, 2,2-	1.3E-02	1.3E+00	2.2E+00	2.2E+02	5.7E+01	7.3E+00	3.0E-02	3.0E+00	6.6E+00	6.6E+02	7.9E+01	1.0E+01
Dichloropropanol, 2,3-			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Dichloropropene, 1,1-	9.1E-03	9.1E-01	7.3E-01	7.3E+01	1.9E+01	2.5E+00	2.0E-02	2.0E+00	2.2E+00	2.2E+02	3.2E+01	4.2E+00
Dichloropropene, 1,3- (mixed isomers)	9.1E-03	9.1E-01	7.3E-01	7.3E+01	1.8E+02	2.3E+01	2.0E-02	2.0E+00	2.2E+00	2.2E+02	3.0E+02	3.8E+01
Dichloropropene, cis 1,3-	1.7E-03	1.7E-01	2.4E-03	2.4E-01	6.9E+02	8.9E+01	3.8E-03	3.8E-01	7.3E-03	7.3E-01	9.7E+02	1.2E+02
Dichloropropene, trans 1,3-	9.1E-03	9.1E-01	7.3E-01	7.3E+01	1.9E+02	2.5E+01	2.0E-02	2.0E+00	2.2E+00	2.2E+02	3.2E+02	4.1E+01
Dichlorvos	3.1E-03	3.1E-01	1.2E-02	1.2E+00	1.0E+04	1.3E+03	7.0E-03	7.0E-01	3.7E-02	3.7E+00	1.4E+04	1.8E+03
Dicrotophos (bidrin)			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Dicyclopentadiene			2.0E-01	2.0E+01					5.8E-01	5.8E+01		
Dieldrin	5.7E-05	5.7E-03	1.2E-03	1.2E-01	1.3E+02	1.6E+01	1.3E-04	1.3E-02	3.7E-03	3.7E-01	2.1E+02	2.8E+01
Diethanolamine			1.2E-02	1.2E+00					3.7E-02	3.7E+00		
Diethyl phthalate			2.0E+01	2.0E+03					5.8E+01	5.8E+03		
Diethylene glycol			4.9E+01	4.9E+03					1.5E+02	1.5E+04		
Diethylene glycol monobutyl ether			7.3E-01	7.3E+01	3.2E+03	4.1E+02			2.2E+00	2.2E+02	4.5E+03	5.8E+02
Diethylhexyl adipate												
Diethylstilbestrol	1.9E-07	1.9E-05					4.3E-07	4.3E-05				
Diisobutylene (trimethyl-1-pentene, 2,4,4-)			1.5E+00	1.5E+02	2.3E+01	3.0E+00			4.4E+00	4.4E+02	3.2E+01	4.2E+00
Diisopropylbenzene, p-			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Diisopropyl ether (2,2'-oxybis-propane)			2.4E+00	2.4E+02	2.0E+04	2.5E+03			7.3E+00	7.3E+02	2.7E+04	3.5E+03
Dimethenamid			3.7E-01	3.7E+01					1.1E+00	1.1E+02		
Dimethoate			4.9E-03	4.9E-01					1.5E-02	1.5E+00		
Dimethoxybenzidine, 3,3'-	6.5E-02	6.5E+00					1.5E-01	1.5E+01				
Dimethylphenethylamine, alpha, alpha-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Dimethyl phenol, 2,4-			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Dimethylaminoazobenzene, p-			2.4E-04	2.4E-02					7.3E-04	7.3E-02		
Dimethylbenz-a-anthracene, 7,12-	3.7E-06	3.7E-04			3.3E+01	4.3E+00	8.2E-06	8.2E-04			5.5E+01	7.2E+00
Dimethylbenzidine, 3,3'-	8.3E-05	8.3E-03					1.9E-04	1.9E-02				
Dimethylnaphthalene, 1,3-			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Dimethylphthalate			2.0E+01	2.0E+03					5.8E+01	5.8E+03		

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	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Di-n-butyl phthalate			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Dinitrobenzene, 1,4-			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Dinitrophenol, 2,4-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Dinitrophenol, 2,5-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Dinitrotoluene, 2,4-	1.3E-03	1.3E-01	4.9E-02	4.9E+00			3.0E-03	3.0E-01	1.5E-01	1.5E+01		
Dinitrotoluene, 2,6-	1.3E-03	1.3E-01	2.4E-02	2.4E+00			3.0E-03	3.0E-01	7.3E-02	7.3E+00		
Di-n-octyl phthalate			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Dinoseb												
Dioxane 1,4-	9.1E-03	9.1E-01	7.3E-01	7.3E+01	5.9E+06	7.7E+05	2.0E-02	2.0E+00	2.2E+00	2.2E+02	8.3E+06	1.1E+06
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)												
Diphenyl ether			1.5E-01	1.5E+01					4.5E-01	4.5E+01		
Diphenylamine			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Diphenylhydrazine, 1,2-	1.1E-03	1.1E-01			3.8E+03	4.9E+02	2.6E-03	2.6E-01			6.4E+03	8.3E+02
Dipropylene glycol			2.9E+00	2.9E+02					8.8E+00	8.8E+02		
Diquat												
Disodium iminodiacetate (iminodiacetic acid, disodium salt)			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Disodium iminodiacetate (iminodiacetic acid, disodium salt)			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Disulfoton			9.8E-04	9.8E-02					2.9E-03	2.9E-01		
Diuron			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Dodecylphenol, 4-			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Dodecylphenol, 4-			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Endosulfan			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Endosulfan I			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Endosulfan II			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Endosulfan sulfate			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Endothall												
Endrin												
Endrin aldehyde			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Endrin ketone			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Epichlorohydrin	9.2E-02	9.2E+00	1.5E-01	1.5E+01	7.1E+02	9.1E+01	2.1E-01	2.1E+01	4.4E-01	4.4E+01	9.9E+02	1.3E+02
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)			2.4E-04	2.4E-02					7.3E-04	7.3E-02		
Esfenvalerate			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Ethalfluralin (sonolan)	1.0E-02	1.0E+00	9.8E-01	9.8E+01			2.3E-02	2.3E+00	2.9E+00	2.9E+02		
Ethanol			8.1E+02	8.1E+04					2.4E+03	2.4E+05		
Ethanol, 2-amino-			4.2E-02	4.2E+00					1.2E-01	1.2E+01		
Ethanol, 2-(2-aminoethoxy)-			1.2E-02	1.2E+00					3.7E-02	3.7E+00		

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Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Ethanol, 2-(2-ethoxyethoxy)-			4.9E+01	4.9E+03					1.5E+02	1.5E+04		
Ethanol, 2-(methylamino)-			3.9E-01	3.9E+01	1.0E+06	1.3E+05			1.2E+00	1.2E+02	1.4E+06	1.8E+05
Ethion			1.2E-02	1.2E+00					3.7E-02	3.7E+00		
Ethoprop	3.2E-02	3.2E+00	2.4E-03	2.4E-01			7.3E-02	7.3E+00	7.3E-03	7.3E-01		
Ethoxy ethanol, 2-			9.8E+00	9.8E+02	4.9E+02	6.4E+01			2.9E+01	2.9E+03	6.9E+02	9.0E+01
Ethyl acetate			2.2E+01	2.2E+03					6.6E+01	6.6E+03		
Ethyl acrylate	1.9E-02	1.9E+00					4.3E-02	4.3E+00				
Ethyl benzene					3.0E+04	3.8E+03					4.2E+04	5.4E+03
Ethyl dipropylthiocarbamate, S-			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Ethyl ether			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Ethyl methacrylate			2.2E+00	2.2E+02	5.7E+04	7.4E+03			6.6E+00	6.6E+02	8.0E+04	1.0E+04
Ethyl methanesulfonate	9.2E-03	9.2E-01			1.9E+04	2.4E+03	2.1E-02	2.1E+00			3.1E+04	4.0E+03
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)			2.4E-02	2.4E+00	1.1E+04	1.4E+03			7.3E-02	7.3E+00	1.5E+04	2.0E+03
Ethyl-1-hexanol, 2-			3.7E+00	3.7E+02					1.1E+01	1.1E+03		
Ethyl-2-hexenal, 2-			3.7E+00	3.7E+02					1.1E+01	1.1E+03		
Ethyl-2-methyl benzene, 1-			1.2E+00	1.2E+02	9.2E+03	1.2E+03			3.7E+00	3.7E+02	1.3E+04	1.7E+03
Ethyl-4-methyl benzene, 1-			1.2E+00	1.2E+02	7.0E+03	9.0E+02			3.7E+00	3.7E+02	9.7E+03	1.3E+03
Ethylene*												
Ethylene dibromide (dibromoethane, 1,2-)					5.6E+00	7.2E-01					9.4E+00	1.2E+00
Ethylene glycol			4.9E+01	4.9E+03					1.5E+02	1.5E+04		
Ethylene oxide	8.9E-04	8.9E-02			4.2E+01	5.4E+00	2.0E-03	2.0E-01			7.0E+01	9.1E+00
Ethylene thiourea	8.3E-03	8.3E-01	2.0E-03	2.0E-01			1.9E-02	1.9E+00	5.8E-03	5.8E-01		
Ethylenediamine			2.2E+00	2.2E+02					6.6E+00	6.6E+02		
Ethylenimine	1.4E-05	1.4E-03			1.4E+01	1.8E+00	3.1E-05	3.1E-03			2.3E+01	3.0E+00
Ethylhexyl acrylate, 2-	1.9E-02	1.9E+00					4.3E-02	4.3E+00				
Famphur			7.3E-04	7.3E-02					2.2E-03	2.2E-01		
Fensulfothion			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Fenthion			1.7E-03	1.7E-01					5.1E-03	5.1E-01		
Fluoranthene			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Fluorene			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Fluorine (soluble fluoride)												
Fluorochloridone			1.8E-01	1.8E+01					5.5E-01	5.5E+01		
Fonofos			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Formaldehyde			4.9E+00	4.9E+02	8.6E+04	1.1E+04			1.5E+01	1.5E+03	1.2E+05	1.6E+04
Formic acid			2.2E+01	2.2E+03	1.7E+04	2.3E+03			6.6E+01	6.6E+03	2.4E+04	3.2E+03
Furan			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Furfural			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Glycidylaldehyde			9.8E-03	9.8E-01	1.4E+04	1.9E+03			2.9E-02	2.9E+00	2.0E+04	2.6E+03

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Glyphosate												
Heptachlor					6.3E+00	8.1E-01					1.1E+01	1.4E+00
Heptachlor epoxide					1.2E+02	1.5E+01					2.0E+02	2.6E+01
Heptane, n-			1.5E+00	1.5E+02	1.7E+03	2.2E+02			4.4E+00	4.4E+02	2.4E+03	3.1E+02
Heptanoic acid, n-			1.2E+01	1.2E+03	1.7E+04	2.1E+03			3.7E+01	3.7E+03	2.3E+04	3.0E+03
Hexachlorobenzene					5.7E+00	7.4E-01					9.6E+00	1.2E+00
Hexachlorobutadiene	1.2E-02	1.2E+00	2.4E-02	2.4E+00	8.9E+00	1.1E+00	2.6E-02	2.6E+00	7.3E-02	7.3E+00	1.5E+01	1.9E+00
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-04	1.4E-02	2.0E-01	2.0E+01	1.5E+02	2.0E+01	3.2E-04	3.2E-02	5.8E-01	5.8E+01	2.6E+02	3.3E+01
Hexachlorocyclohexane, beta (beta-BHC)	5.1E-04	5.1E-02			1.1E+03	1.5E+02	1.1E-03	1.1E-01			1.9E+03	2.5E+02
Hexachlorocyclohexane, delta (delta-BHC)	5.1E-04	5.1E-02	7.3E-03	7.3E-01	3.6E+02	4.7E+01	1.1E-03	1.1E-01	2.2E-02	2.2E+00	6.1E+02	7.9E+01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)												
Hexachlorocyclohexane, techn (technical-BHC)	5.1E-04	5.1E-02			9.9E+02	1.3E+02	1.1E-03	1.1E-01			1.7E+03	2.2E+02
Hexachlorocyclopentadiene					5.4E+00	7.0E-01					7.6E+00	9.8E-01
Hexachloroethane	2.3E-02	2.3E+00	1.7E-02	1.7E+00	7.3E+03	9.5E+02	5.1E-02	5.1E+00	5.1E-02	5.1E+00	1.0E+04	1.3E+03
Hexachlorophene			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Hexachloropropylene	6.5E-02	6.5E+00	2.4E-02	2.4E+00	4.2E+02	5.4E+01	1.5E-01	1.5E+01	7.3E-02	7.3E+00	7.0E+02	9.1E+01
Hexanal, 2-ethyl-			3.7E+00	3.7E+02					1.1E+01	1.1E+03		
Hexane, n-			1.5E+00	1.5E+02	3.8E+01	4.9E+00			4.4E+00	4.4E+02	5.3E+01	6.9E+00
Hexanediamine, 1,6-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Hexanedinitrile			3.4E-02	3.4E+00	1.6E+05	2.1E+04			1.0E-01	1.0E+01	2.2E+05	2.9E+04
Hexanediol, 1,6-			1.2E+02	1.2E+04	4.8E+08	6.3E+07			3.7E+02	3.7E+04	6.7E+08	8.8E+07
Hexanoic acid			1.6E+00	1.6E+02	2.1E+04	2.7E+03			4.7E+00	4.7E+02	3.0E+04	3.8E+03
Hexanone, 2-			1.2E-01	1.2E+01	1.2E+04	1.5E+03			3.7E-01	3.7E+01	1.6E+04	2.1E+03
Hexazinone			8.1E-01	8.1E+01					2.4E+00	2.4E+02		
Hexene, 1-			8.1E+00	8.1E+02	3.4E+01	4.3E+00			2.4E+01	2.4E+03	4.7E+01	6.1E+00
Hexene, cis-2-			8.1E+00	8.1E+02	4.8E+01	6.2E+00			2.4E+01	2.4E+03	6.7E+01	8.7E+00
Hexylene glycol (2-methyl-2,4-pentanediol)			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Hydrazine	3.0E-04	3.0E-02			5.1E+01	6.7E+00	6.8E-04	6.8E-02			8.6E+01	1.1E+01
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)			1.6E+00	1.6E+02	2.9E+04	4.2E+03			4.7E+00	4.7E+02	4.0E+04	5.9E+03
Hydrogen chloride (hydrochloric acid)*												
Hydroquinone	1.5E-02	1.5E+00	9.8E-01	9.8E+01			3.4E-02	3.4E+00	2.9E+00	2.9E+02		
Indene			4.9E-01	4.9E+01	2.7E+02	3.5E+01			1.5E+00	1.5E+02	3.8E+02	5.0E+01
Indeno-1,2,3-cd-pyrene	1.3E-03	1.3E-01			9.4E+03	1.2E+03	2.8E-03	2.8E-01			1.6E+04	2.0E+03
Iron*												
Isoamyl alcohol			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Isobutyl alcohol			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Isobutylene (2-methyl-1-propene)					6.1E+04	7.9E+03					8.5E+04	1.1E+04
Isobutyric acid (2-methylpropanoic acid)			1.2E+01	1.2E+03					3.7E+01	3.7E+03		

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Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Isodecanol			3.9E-02	3.9E+00					1.2E-01	1.2E+01		
Isodrin	5.4E-06	5.4E-04	7.3E-05	7.3E-03	3.4E-02	4.4E-03	1.2E-05	1.2E-03	2.2E-04	2.2E-02	5.7E-02	7.4E-03
Isopentane			1.5E+00	1.5E+02	2.5E+03	3.2E+02			4.4E+00	4.4E+02	3.4E+03	4.4E+02
Isophorone	9.6E-01	9.6E+01	4.9E+00	4.9E+02			2.2E+00	2.2E+02	1.5E+01	1.5E+03		
Isopropyl acetate			1.7E+00	1.7E+02					5.1E+00	5.1E+02		
Isopropyl alcohol			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Isosafrole	4.1E-03	4.1E-01			4.3E+02	5.5E+01	9.3E-03	9.3E-01			7.2E+02	9.3E+01
Kelthane (dicofol)			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Kepone (chlordecone)	9.1E-05	9.1E-03	7.3E-03	7.3E-01	2.4E+02	3.0E+01	2.0E-04	2.0E-02	2.2E-02	2.2E+00	4.0E+02	5.1E+01
Lead (inorganic)												
Leptophos			1.2E-04	1.2E-02	6.4E+01	8.2E+00			3.7E-04	3.7E-02	8.9E+01	1.2E+01
Limonene, d-*												
Lithium			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Magnesium*												
Malathion			4.9E-01	4.9E+01	9.2E+03	1.2E+03			1.5E+00	1.5E+02	1.3E+04	1.7E+03
Maleic anhydride			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Maleic hydrazide			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Malononitrile			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Mancozeb			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Manganese			1.1E+00	1.1E+02					1.0E+01	1.0E+03		
MCPA (4-(chloro-2-methylphenoxy) acetic acid)			1.2E-02	1.2E+00					3.7E-02	3.7E+00		
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Mercuric chloride (pH = 4.9)					7.3E+00	9.4E-01					1.0E+01	1.3E+00
Mercuric chloride (pH = 6.8)					7.3E+00	9.4E-01					1.0E+01	1.3E+00
Mercury (pH = 4.9)					7.3E+00	9.4E-01					1.0E+01	1.3E+00
Merphos			7.3E-04	7.3E-02					2.2E-03	2.2E-01		
Methacrylic acid (2-methyl-2-propenoic acid)			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Methacrylonitrile			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Methanol			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Methapyrilene	1.9E-04	1.9E-02					4.3E-04	4.3E-02				
Methomyl			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Methoxychlor												
Methoxyethanol, 2-			1.2E-01	1.2E+01	8.1E+01	1.1E+01			3.7E-01	3.7E+01	1.1E+02	1.5E+01
Methyl acetate (acetic acid, methyl ester)			2.4E+01	2.4E+03					7.3E+01	7.3E+03		
Methyl acrylate			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Methyl amyl ketone (2-heptanone)			1.2E+00	1.2E+02	1.1E+06	1.4E+05			3.7E+00	3.7E+02	1.5E+06	2.0E+05

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Methyl chrysene, 1-	1.3E-01	1.3E+01			8.0E+05	1.0E+05	2.8E-01	2.8E+01			1.3E+06	1.7E+05
Methyl chrysene, 2-	1.3E-01	1.3E+01			8.0E+05	1.0E+05	2.8E-01	2.8E+01			1.3E+06	1.7E+05
Methyl chrysene, 6-	1.3E-02	1.3E+00			8.0E+04	1.0E+04	2.8E-02	2.8E+00			1.3E+05	1.7E+04
Methyl cyclohexane			1.2E+02	1.2E+04	1.4E+03	1.8E+02			3.7E+02	3.7E+04	2.0E+03	2.6E+02
Methyl ethyl ketone (2-butanone)			1.5E+01	1.5E+03	4.8E+06	6.2E+05			4.4E+01	4.4E+03	6.7E+06	8.7E+05
Methyl iodide (iodomethane)			3.4E-02	3.4E+00					1.0E-01	1.0E+01		
Methyl isobutyl ketone (4-methyl-2-pentanone)			2.0E+00	2.0E+02	6.7E+05	8.7E+04			5.8E+00	5.8E+02	9.4E+05	1.2E+05
Methyl mercury			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Methyl methacrylate			3.4E+01	3.4E+03	7.9E+04	1.0E+04			1.0E+02	1.0E+04	1.1E+05	1.4E+04
Methyl methanesulfonate	9.2E-03	9.2E-01			1.7E+04	2.2E+03	2.1E-02	2.1E+00			2.8E+04	3.7E+03
Methyl parathion			6.1E-03	6.1E-01					1.8E-02	1.8E+00		
Methyl-1-butene, 2-			1.5E+00	1.5E+02	7.8E+03	1.0E+03			4.4E+00	4.4E+02	1.1E+04	1.4E+03
Methyl-1-propanal, 2- (isobutyraldehyde)			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Methyl-2-butene, 2-			1.5E+00	1.5E+02	1.5E+04	1.9E+03			4.4E+00	4.4E+02	2.1E+04	2.7E+03
Methyl-2-pentenal, 2-	4.8E-04	4.8E-02					1.1E-03	1.1E-01				
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	1.0E-01	1.0E+01					2.3E-01	2.3E+01				
Methylcholanthrene, 3-	4.1E-05	4.1E-03			4.1E+02	5.4E+01	9.3E-05	9.3E-03			7.0E+02	9.0E+01
Methylene bromide (dibromomethane)	1.2E-01	1.2E+01	1.5E+00	1.5E+02	2.4E+02	3.1E+01	2.7E-01	2.7E+01	4.4E+00	4.4E+02	3.3E+02	4.3E+01
Methylene chloride (dichloromethane)					2.1E+04	2.8E+03					3.6E+04	4.6E+03
Methylene-bis (2-chloroaniline) 4,4'-	9.1E-03	9.1E-01	4.9E-02	4.9E+00	2.0E+04	2.6E+03	2.0E-02	2.0E+00	1.5E-01	1.5E+01	3.3E+04	4.3E+03
Methylmecury hydroxide			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Methylnaphthalene, 1-	3.1E-02	3.1E+00	1.7E+00	1.7E+02			7.0E-02	7.0E+00	5.1E+00	5.1E+02		
Methylnaphthalene, 2-			9.8E-02	9.8E+00					2.9E-01	2.9E+01		
Methylpyrrolidone, N-			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Methylsytrene, alpha-			2.0E-01	2.0E+01	6.6E+02	8.5E+01			6.1E-01	6.1E+01	9.2E+02	1.2E+02
Methyltetrahydrofuran, 2-	1.2E-01	1.2E+01	4.9E+00	4.9E+02	1.8E+03	2.3E+02	2.7E-01	2.7E+01	1.5E+01	1.5E+03	3.1E+03	3.9E+02
Methyltetrahydropyran, 2-	1.2E-01	1.2E+01	4.9E+00	4.9E+02	2.1E+03	2.7E+02	2.7E-01	2.7E+01	1.5E+01	1.5E+03	3.6E+03	4.6E+02
Metolachlor			3.7E+00	3.7E+02					1.1E+01	1.1E+03		
Metribuzin			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Mirex			4.9E-03	4.9E-01					1.5E-02	1.5E+00		
Molinate			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Molybdenum			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Monocrotophos			1.5E-02	1.5E+00					4.4E-02	4.4E+00		
Morpholine			1.2E+04	1.2E+06					3.7E+04	3.7E+06		
Morpholine, N-butyl-			5.6E-02	5.6E+00					1.7E-01	1.7E+01		
MTBE (methyl tert-butyl ether)	5.1E-01	5.1E+01	2.4E-01	2.4E+01	4.0E+03	5.2E+02	1.1E+00	1.1E+02	7.3E-01	7.3E+01	6.8E+03	8.8E+02
Naled			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Naphthalene			4.9E-01	4.9E+01	3.2E+02	4.1E+01			1.5E+00	1.5E+02	4.4E+02	5.7E+01

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Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Naphthoquinone, 1,4-			1.7E-01	1.7E+01					5.1E-01	5.1E+01		
Naphthylamine, 1-			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Naphthylamine, 2-	5.1E-04	5.1E-02					1.1E-03	1.1E-01				
Napropamide			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Neopentyl glycol			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Nickel and compounds			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Nitrate												
Nitrite												
Nitroaniline, 2-			7.3E-03	7.3E-01	4.0E+03	5.2E+02			2.2E-02	2.2E+00	5.6E+03	7.2E+02
Nitroaniline, 3-	2.4E-02	2.4E+00	7.3E-03	7.3E-01	4.7E+03	6.1E+02	5.4E-02	5.4E+00	2.2E-02	2.2E+00	6.6E+03	8.6E+02
Nitroaniline, 4-	4.6E-02	4.6E+00	9.8E-02	9.8E+00	1.4E+05	1.9E+04	1.0E-01	1.0E+01	2.9E-01	2.9E+01	2.0E+05	2.6E+04
Nitrobenzene			4.9E-02	4.9E+00	7.2E+02	9.3E+01			1.5E-01	1.5E+01	1.2E+03	1.6E+02
Nitroglycerin	5.4E-02	5.4E+00	2.4E-03	2.4E-01			1.2E-01	1.2E+01	7.3E-03	7.3E-01		
Nitrophenol, 2-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Nitrophenol, 3-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Nitrophenol, 4-			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Nitropropane, 2-			3.4E-03	3.4E-01	1.7E+00	2.2E-01			1.0E-02	1.0E+00	2.9E+00	3.8E-01
Nitroquinoline-N-oxide, 4-	9.7E-05	9.7E-03			1.1E+04	1.1E+04	2.2E-04	2.2E-02			1.9E+04	1.8E+04
Nitrosodiethanolamine	3.3E-04	3.3E-02					7.3E-04	7.3E-02				
Nitrosodiethylamine, n-	6.1E-06	6.1E-04			7.4E+00	9.5E-01	1.4E-05	1.4E-03			1.2E+01	1.6E+00
Nitrosodimethylamine, n-	1.8E-05	1.8E-03	2.0E-04	2.0E-02	2.0E+01	2.6E+00	4.0E-05	4.0E-03	5.8E-04	5.8E-02	3.4E+01	4.4E+00
Nitrosodi-n-butylamine, n-	1.7E-04	1.7E-02			4.7E+00	6.1E-01	3.8E-04	3.8E-02			7.9E+00	1.0E+00
Nitrosodi-n-propylamine, n-	1.3E-04	1.3E-02					2.9E-04	2.9E-02				
Nitrosodiphenylamine	1.9E-01	1.9E+01					4.2E-01	4.2E+01				
Nitroso-methyl-ethyl-amine, n-	4.1E-05	4.1E-03					9.3E-05	9.3E-03				
Nitrosomorpholine, N-	1.4E-04	1.4E-02			2.7E+02	3.6E+01	3.1E-04	3.1E-02			4.6E+02	6.0E+01
Nitroso-n-ethylurea, n-	6.5E-06	6.5E-04					1.5E-05	1.5E-03				
Nitrosopiperidine, N-	9.7E-05	9.7E-03			1.6E+02	2.1E+01	2.2E-04	2.2E-02			2.8E+02	3.6E+01
Nitrosopyrrolidine, n-	4.3E-04	4.3E-02			9.6E+02	1.2E+02	9.7E-04	9.7E-02			1.6E+03	2.1E+02
Nitrotoluene, m-			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Nitrotoluene, o-	4.1E-03	4.1E-01	2.2E-02	2.2E+00			9.3E-03	9.3E-01	6.6E-02	6.6E+00		
Nitrotoluene, p-	5.7E-02	5.7E+00	9.8E-02	9.8E+00			1.3E-01	1.3E+01	2.9E-01	2.9E+01		
Nonachlor, cis-	2.6E-03	2.6E-01	1.2E-02	1.2E+00	7.7E+02	9.9E+01	5.8E-03	5.8E-01	3.7E-02	3.7E+00	1.3E+03	1.7E+02
Nonachlor, trans-	2.6E-03	2.6E-01	1.2E-02	1.2E+00	7.7E+02	9.9E+01	5.8E-03	5.8E-01	3.7E-02	3.7E+00	1.3E+03	1.7E+02
Nonanal			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Nonene, 1-n			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Nonylphenol			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Nonylphenol			2.4E+00	2.4E+02					7.3E+00	7.3E+02		

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{GW}GW_{Ing}$ [1] (mg/L)	${}^{GW}GW_{Class\ 3}$ [2] (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 0.5 acre source area (mg/L)	${}^{Air}GW_{Inh\text{-}V}$ 30 acre source area (mg/L)
Nonylphenol			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Nonylphenol ethoxylate			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Octamethylpyrophosphoramide			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Octanone			1.5E+00	1.5E+02	4.8E+06	6.2E+05			4.4E+00	4.4E+02	6.7E+06	8.7E+05
Oxamyl												
Oxychlordane	2.6E-03	2.6E-01	1.2E-02	1.2E+00	7.7E+02	9.9E+01	5.8E-03	5.8E-01	3.7E-02	3.7E+00	1.3E+03	1.7E+02
Paraquat			1.1E-01	1.1E+01					3.3E-01	3.3E+01		
Parathion (ethyl parathion)			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Pebulate			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Pendimethalin			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Pentachlorobenzene			2.0E-02	2.0E+00					5.8E-02	5.8E+00		
Pentachloroethane	1.0E-02	1.0E+00	7.3E-01	7.3E+01	3.0E+02	3.8E+01	2.3E-02	2.3E+00	2.2E+00	2.2E+02	5.0E+02	6.4E+01
Pentachloronitrobenzene	3.5E-03	3.5E-01	7.3E-02	7.3E+00			7.9E-03	7.9E-01	2.2E-01	2.2E+01		
Pentachlorophenol												
Pentadiene, 1,3-cis-			1.5E+00	1.5E+02	4.3E+04	5.6E+03			4.4E+00	4.4E+02	6.0E+04	7.8E+03
Pentadiene, 1,3-trans-			1.5E+00	1.5E+02	7.6E+04	9.8E+03			4.4E+00	4.4E+02	1.1E+05	1.4E+04
Pentaerythritol tetranitrate (PETN)			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Pentane			1.7E+01	1.7E+03	3.4E+02	4.4E+01			5.1E+01	5.1E+03	4.8E+02	6.2E+01
Pentane, 2-methyl-			1.5E+00	1.5E+02	1.7E+03	2.3E+02			4.4E+00	4.4E+02	2.4E+03	3.2E+02
Pentane, 3-methyl-			1.5E+00	1.5E+02	2.2E+03	2.9E+02			4.4E+00	4.4E+02	3.1E+03	4.0E+02
Pentanediol, 1,5-			1.2E+02	1.2E+04	4.4E+08	5.8E+07			3.7E+02	3.7E+04	6.2E+08	8.1E+07
Pentanol, 1-			8.1E-01	8.1E+01					2.4E+00	2.4E+02		
Pentanol, 4-methyl-2-			6.4E-01	6.4E+01					1.9E+00	1.9E+02		
Pentanone, 2-			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Pentene, 2-			1.5E+00	1.5E+02	1.4E+04	1.8E+03			4.4E+00	4.4E+02	2.0E+04	2.5E+03
Pentyne, 1-			1.5E+00	1.5E+02	7.2E+04	9.3E+03			4.4E+00	4.4E+02	1.0E+05	1.3E+04
Perchlorate			1.7E-02	1.7E+00					5.1E-02	5.1E+00		
Perylene			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Phenacetin	4.1E-01	4.1E+01			1.1E+06	1.5E+05	9.3E-01	9.3E+01			1.9E+06	2.5E+05
Phenanthrene			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Phenanthridine			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Phenol			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Phenol, 4-tert-butyl-			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Phenothiazine			1.2E-02	1.2E+00					3.7E-02	3.7E+00		
Phenyl mercuric acetate			2.0E-03	2.0E-01					5.8E-03	5.8E-01		
Phenylene diamine, m-			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Phenylene diamine, p-			4.6E+00	4.6E+02					1.4E+01	1.4E+03		
Phorate			4.9E-03	4.9E-01					1.5E-02	1.5E+00		

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Phosalone			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Phosdrin (mevinphos)			6.1E-04	6.1E-02					1.8E-03	1.8E-01		
Phosmet			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Phosphine			7.3E-03	7.3E-01	2.9E-03	3.7E-04			2.2E-02	2.2E+00	4.0E-03	5.2E-04
Phosphorotrithioic acid, S,S,S-tributyl ester	1.1E-02	1.1E+00	2.4E-02	2.4E+00			2.4E-02	2.4E+00	7.3E-02	7.3E+00		
Phosphorus, total*												
Phosphorus, white			4.9E-04	4.9E-02					1.5E-03	1.5E-01		
Phthalic anhydride			4.9E+01	4.9E+03	3.1E+06	4.0E+05			1.5E+02	1.5E+04	4.3E+06	5.6E+05
Picloram												
Picoline, 2- (2-methylpyridine)			2.2E-01	2.2E+01					6.6E-01	6.6E+01		
Polybrominated biphenyls (PBBs)	1.0E-04	1.0E-02	1.7E-04	1.7E-02			2.3E-04	2.3E-02	5.1E-04	5.1E-02		
Polychlorinated biphenyls (PCBs)					2.9E+00	3.8E-01					4.9E+00	6.4E-01
Potassium*												
Primene			1.5E-01	1.5E+01					4.4E-01	4.4E+01		
Prometon (pramitol)			3.7E-01	3.7E+01					1.1E+00	1.1E+02		
Pronamide			1.8E+00	1.8E+02					5.5E+00	5.5E+02		
Propanal (propionaldehyde)			2.0E-01	2.0E+01	1.6E+03	2.1E+02			5.8E-01	5.8E+01	2.3E+03	3.0E+02
Propane, 1-bromo-			8.8E-01	8.8E+01					2.6E+00	2.6E+02		
Propanil			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Propanoic acid (propionic acid)			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Propanol, 1-			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Propargite			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Propargyl alcohol			4.9E-02	4.9E+00					1.5E-01	1.5E+01		
Propazine	2.1E-02	2.1E+00	4.9E-01	4.9E+01			4.6E-02	4.6E+00	1.5E+00	1.5E+02		
Propham			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Propionitrile (propane nitrile)			9.8E-03	9.8E-01					2.9E-02	2.9E+00		
Propyl acetate, n-			2.2E+00	2.2E+02					6.6E+00	6.6E+02		
Propylbenzene, n-			9.8E-01	9.8E+01	6.0E+03	7.8E+02			2.9E+00	2.9E+02	8.5E+03	1.1E+03
Propylene glycol			4.9E+02	4.9E+04	5.0E+04	6.4E+03			1.5E+03	1.5E+05	7.0E+04	9.0E+03
Propylene glycol monomethyl ether			1.7E+01	1.7E+03	2.9E+07	3.7E+06			5.1E+01	5.1E+03	4.0E+07	5.2E+06
Propylene oxide	3.8E-03	3.8E-01			1.6E+03	2.0E+02	8.5E-03	8.5E-01			2.7E+03	3.4E+02
Propylene tetramer			2.4E+00	2.4E+02	4.4E+01	5.7E+00			7.3E+00	7.3E+02	6.2E+01	8.0E+00
Prothiofos (Tokuthion)			2.4E-03	2.4E-01					7.3E-03	7.3E-01		
Pyrene			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Pyridine			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Quinoline	3.0E-04	3.0E-02					6.8E-04	6.8E-02				
Ronnel			1.2E+00	1.2E+02					3.7E+00	3.7E+02		
Safrole	4.1E-03	4.1E-01			1.9E+02	2.4E+01	9.3E-03	9.3E-01			3.2E+02	4.1E+01

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Selenium												
Selenourea			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Silver			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Simazine												
Sodium*												
Sodium diethyldithiocarbamate	3.4E-03	3.4E-01	7.3E-01	7.3E+01			7.6E-03	7.6E-01	2.2E+00	2.2E+02		
Sodium hypochlorite			5.1E+00	5.1E+02					1.5E+01	1.5E+03		
Sodium polyacrylate			1.2E+01	1.2E+03	1.5E+04	2.0E+03			3.7E+01	3.7E+03	2.1E+04	2.7E+03
Strontium			1.5E+01	1.5E+03					4.4E+01	4.4E+03		
Strychnine			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Styrene					1.5E+04	2.0E+03					2.1E+04	2.7E+03
Sulfate*												
Sulfide*												
Sulfolane			3.2E-01	3.2E+01	1.3E+05	1.7E+04			9.5E-01	9.5E+01	1.8E+05	2.3E+04
Sulfur*												
Sulprofos (Bolstar)			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Tebuconazole			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Tebuthiuron			1.7E+00	1.7E+02					5.1E+00	5.1E+02		
Terbufos			6.1E-04	6.1E-02					1.8E-03	1.8E-01		
Tert-amyl ethyl ether (TAEE)			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Tert-amyl-methyl ether (TAME)			9.8E-01	9.8E+01					2.9E+00	2.9E+02		
Tert-butyl alcohol (2-methyl-2-propanol)			2.2E+00	2.2E+02					6.6E+00	6.6E+02		
Tetrachlorobenzene, 1,2,3,4-			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Tetrachlorobenzene, 1,2,3,5-			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Tetrachlorobenzene, 1,2,4,5-			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Tetrachloroethane, 1,1,1,2-	3.5E-02	3.5E+00	7.3E-01	7.3E+01	1.1E+02	1.4E+01	7.9E-02	7.9E+00	2.2E+00	2.2E+02	1.9E+02	2.4E+01
Tetrachloroethane, 1,1,2,2-	4.6E-03	4.6E-01	4.9E-01	4.9E+01			1.0E-02	1.0E+00	1.5E+00	1.5E+02		
Tetrachloroethylene					5.0E+02	6.4E+01					8.4E+02	1.1E+02
Tetrachlorophenol, 2,3,4,5-			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Tetrachlorophenol, 2,3,4,6-			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Tetrachlorophenol, 2,3,5,6-			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Tetrachlorvinphos (Stirophos)			1.0E+00	1.0E+02					3.1E+00	3.1E+02		
Tetradifon			4.9E-01	4.9E+01					1.5E+00	1.5E+02		
Tetraethyl dithiopyrophosphate (sulfotep)			1.2E-02	1.2E+00					3.7E-02	3.7E+00		
Tetraethyl lead			2.4E-06	2.4E-04					7.3E-06	7.3E-04		
Tetraethyl pyrophosphate (TEPP)			2.7E-04	2.7E-02					8.0E-04	8.0E-02		
Tetraethylene glycol			8.1E+00	8.1E+02					2.4E+01	2.4E+03		
Tetrahydrofuran	1.2E-01	1.2E+01	2.2E+01	2.2E+03	2.2E+03	2.9E+02	2.7E-01	2.7E+01	6.6E+01	6.6E+03	3.7E+03	4.8E+02

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Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Tetrahydropyran	1.2E-01	1.2E+01	4.9E+00	4.9E+02	2.6E+03	3.4E+02	2.7E-01	2.7E+01	1.5E+01	1.5E+03	4.4E+03	5.7E+02
Tetraoxadodecane, 2,5,8,11-			6.1E-01	6.1E+01					1.8E+00	1.8E+02		
Thallium and compounds (as thallium chloride)												
Thiofanox			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Thionazin			1.7E-03	1.7E-01					5.1E-03	5.1E-01		
Thiophanate-methyl			2.0E+00	2.0E+02					5.8E+00	5.8E+02		
Thiram			1.2E-01	1.2E+01					3.7E-01	3.7E+01		
Tin			1.5E+01	1.5E+03					4.4E+01	4.4E+03		
Titanium			1.2E+02	1.2E+04					3.7E+02	3.7E+04		
Toluene					6.4E+04	8.2E+03					8.9E+04	1.2E+04
Toluene diisocyanate, 2,4/2,6-					1.8E+03	2.4E+02					2.6E+03	3.3E+02
Toluenediamine, 2,4-	2.9E-04	2.9E-02					6.4E-04	6.4E-02				
Toluenediamine, 2,6-			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Toluidine, o-	3.8E-03	3.8E-01			2.6E+03	3.4E+02	8.5E-03	8.5E-01			4.4E+03	5.7E+02
Toluidine, p-	4.8E-03	4.8E-01					1.1E-02	1.1E+00				
Toxaphene					1.8E+03	2.3E+02					3.0E+03	3.9E+02
TPH, TX1005, C6-C12			9.8E-01	9.8E+01	1.8E+03	2.3E+02			2.9E+00	2.9E+02	2.5E+03	3.2E+02
TPH, TX1005, >C12-C28			9.8E-01	9.8E+01	7.5E+03	9.7E+02			2.9E+00	2.9E+02	1.0E+04	1.4E+03
TPH, TX1005, >C12-C35			9.8E-01	9.8E+01	7.5E+03	9.7E+02			2.9E+00	2.9E+02	1.0E+04	1.4E+03
TPH, TX1005, >C28-C35			9.8E-01	9.8E+01	7.5E+03	9.7E+02			2.9E+00	2.9E+02	1.0E+04	1.4E+03
TP Silvex, 2,4,5-												
Triademenol			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Triallate			3.2E-01	3.2E+01					9.5E-01	9.5E+01		
Triaminotrinitrobenzene (TATB)	3.0E-02	3.0E+00	7.3E-02	7.3E+00			6.8E-02	6.8E+00	2.2E-01	2.2E+01		
Tributyltin oxide			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Trichloro-1,2,2-trifluoroethane, 1,1,2-			7.3E+02	7.3E+04	9.2E+03	1.2E+03			2.2E+03	2.2E+05	1.3E+04	1.7E+03
Trichlorobenzene, 1,2,3-			7.3E-02	7.3E+00	1.3E+02	1.7E+01			2.2E-01	2.2E+01	1.9E+02	2.4E+01
Trichlorobenzene, 1,2,4-					1.6E+02	2.0E+01					2.2E+02	2.8E+01
Trichlorobenzene, 1,3,5-			7.3E-02	7.3E+00	1.0E+02	1.3E+01			2.2E-01	2.2E+01	1.4E+02	1.8E+01
Trichloroethane, 1,1,1-					4.1E+04	5.2E+03					5.7E+04	7.3E+03
Trichloroethane, 1,1,2-					8.0E+01	1.0E+01					1.3E+02	1.7E+01
Trichloroethylene					2.4E+01	3.1E+00					3.3E+01	4.3E+00
Trichlorofluoromethane			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
Trichloronate			7.3E-02	7.3E+00					2.2E-01	2.2E+01		
Trichlorophenol, 2,3,4-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Trichlorophenol, 2,3,5-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Trichlorophenol, 2,3,6-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Trichlorophenol, 2,4,5-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Trichlorophenol, 2,4,6-	8.3E-02	8.3E+00	2.4E-02	2.4E+00	4.9E+04	6.4E+03	1.9E-01	1.9E+01	7.3E-02	7.3E+00	8.3E+04	1.1E+04
Trichlorophenol, 3,4,5-			2.4E+00	2.4E+02					7.3E+00	7.3E+02		
Trichlorophenoxyacetic acid, 2,4,5-			2.4E-01	2.4E+01					7.3E-01	7.3E+01		
Trichloropropane, 1,1,2-			1.2E-01	1.2E+01	2.7E+00	3.5E-01			3.7E-01	3.7E+01	3.8E+00	4.9E-01
Trichloropropane, 1,2,3-	3.0E-05	3.0E-03	9.8E-02	9.8E+00	3.2E+01	4.2E+00	6.8E-05	6.8E-03	2.9E-01	2.9E+01	4.5E+01	5.8E+00
Triethanolamine			4.9E+00	4.9E+02					1.5E+01	1.5E+03		
Triethylamine					6.3E+02	8.1E+01					8.8E+02	1.1E+02
Triethylene glycol			7.3E+01	7.3E+03					2.2E+02	2.2E+04		
Triethylphosphorothioate, O, O, O-			2.0E-04	2.0E-02					6.1E-04	6.1E-02		
Trifluralin	1.2E-01	1.2E+01	1.8E-01	1.8E+01			2.7E-01	2.7E+01	5.5E-01	5.5E+01		
Trimethylamine					1.7E+03	2.2E+02					2.3E+03	3.0E+02
Trimethylbenzene, 1,2,3-			1.2E+00	1.2E+02	1.9E+02	2.4E+01			3.7E+00	3.7E+02	2.6E+02	3.4E+01
Trimethylbenzene, 1,2,4-			1.2E+00	1.2E+02	1.9E+02	2.5E+01			3.7E+00	3.7E+02	2.7E+02	3.4E+01
Trimethylbenzene, 1,3,5-			1.2E+00	1.2E+02	1.3E+02	1.6E+01			3.7E+00	3.7E+02	1.8E+02	2.3E+01
Trinitrobenzene, 1,3,5-			7.3E-01	7.3E+01					2.2E+00	2.2E+02		
Trinitrophenylmethylnitramine (tetryl; nitramine)			9.8E-02	9.8E+00					2.9E-01	2.9E+01		
Trinitrotoluene, 2,4,6-	3.0E-02	3.0E+00	1.2E-02	1.2E+00			6.8E-02	6.8E+00	3.7E-02	3.7E+00		
Uranium (soluble salts)												
Valeric acid (pentanoic acid)			1.2E+01	1.2E+03	2.0E+04	2.6E+03			3.7E+01	3.7E+03	2.8E+04	3.6E+03
Vanadium			4.4E-02	4.4E+00					1.3E-01	1.3E+01		
Vernam			2.4E-02	2.4E+00					7.3E-02	7.3E+00		
Vinyl acetate			2.4E+01	2.4E+03	1.4E+04	1.8E+03			7.3E+01	7.3E+03	2.0E+04	2.6E+03
Vinyl chloride					3.8E+00	4.9E-01					6.4E+00	8.3E-01
Vinylcyclohexane			1.2E+01	1.2E+03					3.7E+01	3.7E+03		
Warfarin			7.3E-03	7.3E-01					2.2E-02	2.2E+00		
Xylene, m-					1.1E+04	1.4E+03					1.5E+04	1.9E+03
Xylene, o-					7.6E+05	9.8E+04					1.1E+06	1.4E+05
Xylene, p-					9.4E+03	1.2E+03					1.3E+04	1.7E+03
Xylenes					1.0E+04	1.3E+03					1.4E+04	1.9E+03
Zinc			7.3E+00	7.3E+02					2.2E+01	2.2E+03		
6 C aliphatics (TPH)	---	---	1.5E+00	1.5E+02	3.2E+01	4.1E+00	---	---	4.4E+00	4.4E+02	4.5E+01	5.8E+00
>6-8 C aliphatics (TPH)	---	---	1.5E+00	1.5E+02	2.1E+01	2.7E+00	---	---	4.4E+00	4.4E+02	3.0E+01	3.8E+00
>8-10 C aliphatics (TPH)	---	---	2.4E+00	2.4E+02	6.6E+01	8.5E+00	---	---	7.3E+00	7.3E+02	9.2E+01	1.2E+01
>10-12 C aliphatics (TPH)	---	---	2.4E+00	2.4E+02	4.4E+01	5.7E+00	---	---	7.3E+00	7.3E+02	6.2E+01	8.0E+00
>12-16 C aliphatics (TPH)	---	---	2.4E+00	2.4E+02	1.0E+01	1.3E+00	---	---	7.3E+00	7.3E+02	1.4E+01	1.8E+00
>16-21 C aliphatics (TPH)	---	---	4.9E+01	4.9E+03	---	---	---	---	1.5E+02	1.5E+04	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	3.9E+01	3.9E+03	---	---	---	---	1.2E+02	1.2E+04	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential						Commercial/Industrial					
	Carcinogenic		Noncarcinogenic				Carcinogenic		Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
>7-8 C aromatics (TPH)	---	---	2.4E+00	2.4E+02	1.6E+04	2.0E+03	---	---	7.3E+00	7.3E+02	2.2E+04	2.8E+03
>8-10 C aromatics (TPH)	---	---	9.8E-01	9.8E+01	1.8E+03	2.3E+02	---	---	2.9E+00	2.9E+02	2.5E+03	3.2E+02
>10-12 C aromatics (TPH)	---	---	9.8E-01	9.8E+01	4.3E+03	5.5E+02	---	---	2.9E+00	2.9E+02	6.0E+-3	7.7E+02
>12-16 C aromatics (TPH)	---	---	9.8E-01	9.8E+01	7.5E+03	9.7E+02	---	---	2.9E+00	2.9E+02	1.0E+04	1.4E+03
>16-21 C aromatics (TPH)	---	---	7.3E-01	7.3E+01	---	---	---	---	2.2E+00	2.2E+02	---	---
>21-35 C aromatics (TPH)	---	---	7.3E-01	7.3E+01	---	---	---	---	2.2E+00	2.2E+02	---	---

Footnotes

[1]Based on primary MCLs when available

[2]100 x GWGWIng

[3]The MCL for total trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

All values capped at 1E+06

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)
Acenaphthene							4.9E+03	1.6E+04		9.4E+02		
Acenaphthylene							4.9E+03	1.6E+04				
Acetaldehyde	1.1E-02					9.4E-03	8.2E+03					
Acetate, 2-ethoxyethanol						6.3E-02	8.2E+03					
Acetate, isoamyl							5.9E+03					
Acetate, isobutyl							3.9E+03					
Acetate, sec-butyl							3.9E+03					
Acetic acid*												
Acetone (2-propanone)						3.2E+01	7.4E+04					
Acetone cyanohydrin						6.3E-02	2.5E+02	1.1E+03				
Acetonitrile						6.3E-02	2.6E+03					
Acetophenone							8.2E+03	3.6E+04				
Acetylaminofluorene, 2-	1.9E-05	1.6E+00	5.5E+00								2.4E-04	2.4E-02
Acifluorfen, sodium							1.1E+03	4.6E+03				
Acridine							2.5E+02	1.1E+03				
Acrolein						5.2E-04	4.1E+01					
Acrylamide	2.4E-04	1.2E+01	4.2E+01			6.3E-03	1.6E+02	7.1E+02			1.8E-03	1.8E-01
Acrylic acid						1.0E-03	4.1E+04					
Acrylonitrile	3.6E-04	1.1E+01				2.1E-03	8.2E+01				1.7E-03	1.7E-01
Adipic acid (hexanedioic acid)							1.6E+05	7.1E+05				
Alachlor		7.6E+01	2.6E+02				8.2E+02	3.6E+03				
Aldicarb							8.2E+01	3.6E+02				
Aldicarb sulfone							8.2E+01	3.6E+02				
Aldrin	5.0E-06	3.6E-01	1.2E+00		3.4E-02		2.5E+00	1.1E+01		4.7E-01	5.4E-05	5.4E-03
Allyl alcohol						1.0E-04	4.1E+02					
Allyl chloride						1.0E-03	8.2E+02					
Aluminum						5.2E-03	8.2E+04	3.6E+05	6.5E+03	1.6E+04		
Ametryn							7.4E+02	3.2E+03				
Amino-2,6-dinitrotoluene, 4-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00
Amino-4,6-dinitrotoluene, 2-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)		1.0E+00	3.4E+00								1.5E-04	1.5E-02
Aminopyridine, 4-							1.6E+00	7.1E+00				
Ammonia						1.0E-01						
Ammonium polyphosphate*												
Ammonium salts*												
Aniline		1.1E+03	3.6E+03			1.0E-03	5.7E+02	2.5E+03			1.6E-01	1.6E+01
Anthracene							2.5E+04	8.2E+04		4.7E+03		
Anthraquinone, 9,10-		1.6E+02	5.3E+02				1.6E+03	7.1E+03			2.3E-02	2.3E+00
Antimony							3.3E+01	2.1E+02	2.6E+00	6.3E+00		
Aramite	3.4E-03	2.4E+02	8.3E+02		2.3E+01		4.1E+03	1.8E+04		7.8E+02	3.7E-02	3.7E+00
Arsenic	5.7E-06	5.2E+01	4.6E+02	1.7E+00	3.9E+00		3.1E+01	3.6E+02	2.0E+00	4.7E+00		
Arsine						5.2E-05						
Asbestos[6]	3.2E-06											
Atrazine		2.7E+01	9.4E+01				2.9E+03	1.2E+04				
Azinphos-methyl (guthion)							1.2E+02	5.3E+02				
Azobenzene	7.8E-04	5.5E+01	1.9E+02		5.3E+00						8.3E-03	8.3E-01
Barium							1.6E+04	5.0E+04	1.3E+03	3.1E+03		
Bayleton							2.5E+03	1.1E+04				
Benefin (benfluralin)							2.5E+04	1.1E+05		4.7E+03		
Benomyl							4.1E+03	1.8E+04				

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Benz-a-anthracene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01
Benzaldehyde							8.2E+03					
Benzene	1.1E-02	4.0E+02				2.9E-01	3.3E+02					
Benzenedicarbonitrile, 1,3-							4.9E+02	2.1E+03				
Benzenedicarboxylic acid, 1,2-disodecyl ester						5.2E-03	3.3E+03			6.3E+02		
Benzenethiol							8.2E+01					
Benzidine	3.6E-07	2.6E-02	9.0E-02				2.5E+02	1.1E+03			4.0E-06	4.0E-04
Benzo-a-pyrene	2.8E-05	8.3E-01	2.2E+00		8.0E-02							
Benzo-b-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01
Benzo-e-pyrene							2.5E+03	8.2E+03		4.7E+02		
Benzo-g,h,i-perylene							2.5E+03	8.2E+03		4.7E+02		
Benzoic acid							3.3E+05	1.4E+06				
Benzo-j-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01
Benzo-k-fluoranthene	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00
Benzophenone							5.5E+02	2.4E+03				
Benzotrichloride		4.7E-01	1.6E+00								7.0E-05	7.0E-03
Benzoyl peroxide							4.1E+03	1.8E+04				
Benzyl alcohol							8.2E+03	3.6E+04				
Benzyl chloride		3.6E+01				1.0E-03	1.6E+02				5.4E-03	5.4E-01
Benzyl dichloride		3.6E+01	1.2E+02			1.0E-03	1.6E+02	7.1E+02			5.4E-03	5.4E-01
Beryllium	1.0E-05					2.1E-05	1.6E+02	5.0E+01	1.3E+01	3.1E+01		
Biphenyl, 1,1-							4.1E+03	1.8E+04				
Biphenyl, 1,1'-, 2-phenoxy-							4.1E+03			7.8E+02		
Biquinoline, 2,2'-							2.5E+02	1.1E+03		4.7E+01		
Bis (2-chloroethoxy) methane	7.4E-05	5.5E+00	1.9E+01				2.5E+02	1.1E+03			8.3E-04	8.3E-02
Bis (2-chloroethyl) ether	7.4E-05	5.5E+00									8.3E-04	8.3E-02
Bis (2-chloroisopropyl) ether	2.4E-03	8.7E+01	3.0E+02				3.3E+03	1.4E+04			1.3E-02	1.3E+00
Bis (2-chloromethyl) ether	3.9E-07	2.8E-02									4.1E-06	4.1E-04
Bis (2-ethyl-hexyl) phthalate		4.3E+02	2.8E+02		4.2E+01		1.6E+03	1.4E+03		3.1E+02		
Bismuth							4.1E+04	3.6E+05	3.3E+03			
Bisphenol A							4.1E+03	1.8E+04				
Boron						2.1E-02	1.6E+04	7.1E+05				
Bromacil							8.2E+03	3.6E+04				
Bromo-2-chloroethane, 1-							3.3E+03					
Bromobenzene						6.3E-02	6.6E+02					
Bromodichloromethane[4]		9.8E+01					1.6E+03				1.5E-02	1.5E+00
Bromoform[4]	2.2E-02	7.7E+02					1.6E+03				1.2E-01	1.2E+01
Bromomethane						5.2E-03	1.1E+02					
Bromophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03
Butadiene, 1,3-	4.9E-02					3.4E-02						
Butadiene, 2-methyl-1,3- (isoprene)						1.9E+01	4.9E+03					
Butanal (butyraldehyde)							4.9E+03					
Butane, 2,3-dimethyl-						1.9E+01	4.9E+03					
Butanoic acid (butyric acid)						1.0E-03	4.1E+04	1.8E+05				
Butanol, 1-, 2-Me-							8.2E+02					
Butanol, 2-						3.1E+01	1.6E+05					
Butanol, 2-methyl-2-							8.2E+02					
Butanol, n-							8.2E+03					
Butene, 1-						1.9E+01	4.9E+03					
Butene, cis-2-						1.9E+01	4.9E+03					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Butene, trans-2-						1.9E+01	4.9E+03					
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)						1.7E+00	8.2E+03	3.6E+04				
Butyl acetate						6.5E-01	1.1E+04					
Butyl acrylate							7.4E+02					
Butyl benzyl phthalate		3.2E+03	1.1E+04		3.1E+02		1.6E+04	7.1E+04		3.1E+03	4.8E-01	4.8E+01
Butyl ether, n- (dibutyl ether)							8.2E+03					
Butyl methacrylate							7.4E+03					
Butylate							4.1E+03	1.8E+04				
Butylbenzene, n-							4.1E+03	1.8E+04				
Butylbenzene, sec-							3.3E+03					
Butylbenzene, tert-							3.3E+03					
Cacodylic acid							2.5E+02	1.1E+03				
Cadmium	1.4E-05						2.6E+02	2.2E+03	1.1E+01	2.5E+01		
Calcium*												
Caprolactam							4.1E+04	1.8E+05				
Captan		1.7E+03	5.9E+03				1.1E+04	4.6E+04			2.6E-01	2.6E+01
Carbaryl							8.2E+03	3.6E+04				
Carbazole		3.0E+02	1.0E+03								4.6E-02	4.6E+00
Carbofuran							4.1E+02	1.8E+03				
Carbon disulfide						7.3E-01	8.2E+03					
Carbon tetrachloride	4.1E-03	8.7E+01				1.0E-01	3.3E+02					
Carbophenothion							1.1E+03	4.6E+03		2.0E+02		
Carbosulfan							8.2E+02	3.6E+03		1.6E+02		
Carboxin							8.2E+03	3.6E+04				
Chloral							8.2E+03					
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)							8.2E+03	3.6E+04				
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)							1.2E+03	5.3E+03				
Chlordane (technical)	2.4E-04	1.7E+01	1.5E+02		1.7E+00	7.3E-04	4.1E+01	4.4E+02		7.8E+00		
Chlordane, cis- (alpha chlordane)	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01
Chlordane, gamma	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01
Chlorfenvinphos						2.1E-03	5.7E+01	2.5E+02		1.1E+01		
Chloride*												
Chlorine						1.6E-04	8.2E+03	7.1E+04				
Chloro-1,3-butadiene, 2-	8.1E-05					2.1E-02						
Chloro-2-propanol, 1-							1.6E+03					
Chloro-3-methylphenol, 4-							4.1E+02	1.8E+03				
Chloroaniline, p-		3.0E+01	1.0E+02				3.3E+02	1.4E+03			4.6E-03	4.6E-01
Chlorobenzene						5.2E-02	1.6E+03					
Chlorobenzilate	3.1E-04	2.2E+01	7.7E+01				1.6E+03	7.1E+03			3.4E-03	3.4E-01
Chlorobromomethane (bromochloromethane)							3.3E+03					
Chlorodifluoromethane						5.2E+01						
Chloroethane (ethyl chloride)						1.0E+01	3.3E+04					
Chloroethanol, 2-							3.3E+04					
Chloroethoxy ethene, 2- (2-chloroethylvinylether)		5.5E+00				3.1E-04	1.6E+02				8.3E-04	8.3E-02
Chloroform	1.1E-03					1.0E-01	8.2E+02					
Chlorohexane, 1-						1.0E+00	3.3E+03					
Chloromethane (methyl chloride)	1.4E-02	4.7E+02				9.4E-02					7.0E-02	7.0E+00
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)							6.6E+03	2.2E+04		1.3E+03		
Chloronaphthalene, 2- (chloronaphthalene, beta)							6.6E+03	2.2E+04				
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)		9.6E+02	3.3E+03			6.3E-04	8.2E+01	3.6E+02			1.4E-01	1.4E+01
Chlorophenol, 2-							4.1E+02					

Table 9
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Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Chlorophenol, 3-							4.1E+02	1.8E+03				
Chlorophenol, 4-							4.1E+02	1.8E+03				
Chlorophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03
Chloropropane, 2-						1.0E-01	2.5E+03					
Chlorothalonil		5.5E+02	1.9E+03				1.2E+03	5.3E+03			8.3E-02	8.3E+00
Chlorotoluene, o- (2-chlorotoluene)						8.3E-01	1.6E+03	7.1E+03				
Chlorotoluene, p- (4-chlorotoluene)							1.6E+03					
Chlorpyrifos							2.5E+02	1.1E+03		4.7E+01		
Chromium (III)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04		
Chromium (total)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04		
Chromium (VI)	2.0E-06					1.0E-04	2.5E+02	2.7E+02	2.0E+01	4.7E+01		
Chrysene	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01
Cobalt	2.7E-06					6.3E-06	2.5E+01	1.1E+03	2.0E+00	4.7E+00		
Copolymer acrylamide							1.6E+01	7.1E+01				
Copper							3.3E+03	1.4E+05	2.6E+02	6.3E+02		
Coronene							1.6E+02	7.1E+02		3.1E+01		
Coumaphos							5.7E+02	2.5E+03		1.1E+02		
Cresol							4.1E+03	1.8E+04				
Cresol, m- (3-methylphenol)							4.1E+03	1.8E+04				
Cresol, o- (2-methylphenol)							4.1E+03	1.8E+04				
Cresol, p- (4-methylphenol)							4.1E+02	1.8E+03				
Crotonaldehyde		3.2E+00					8.2E+01				4.8E-04	4.8E-02
Cumene (isopropylbenzene)						4.2E-01	8.2E+03					
Cyanazine		7.2E+00	2.5E+01				1.6E+02	7.1E+02			1.1E-03	1.1E-01
Cyanide						8.3E-04	4.9E+01	2.1E+03				
Cyanogen						8.3E-04	8.2E+01					
Cycloate							4.5E+03	2.0E+04				
Cyclohexane						6.3E+00	4.1E+05					
Cyclohexanol							4.1E+05	1.8E+06				
Cyclohexanone						7.3E-01	4.1E+05					
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)						3.4E-01	1.8E+03					
Cyclohexene-1-methanol, 3-							1.6E+03					
Cyclopentane						2.5E+01	4.9E+03					
Cyclopentane, methyl-						1.0E+00	8.2E+03					
Cyclopentene							4.1E+05					
Cyclotetramethylenetetranitramine (HMX)							4.1E+03	2.7E+03				
Cyclotrimethylenetrinitramine (RDX)		5.5E+01	1.9E+02				2.5E+02	1.1E+03			8.3E-03	8.3E-01
Cymene (isopropyltoluene)							8.2E+03					
Cymoxanil							1.1E+03	4.6E+03				
Dacthal (DCPA)							8.2E+02	3.6E+03		1.6E+02		
Dalapon, sodium salt (2,2-dichloropropanoic acid)							2.5E+03	1.1E+04				
DDD		2.5E+01	2.9E+02		2.4E+00						3.8E-03	3.8E-01
DDE		1.8E+01	2.0E+02		1.7E+00						2.7E-03	2.7E-01
DDT	2.5E-04	1.8E+01	2.0E+02		1.7E+00		4.1E+01	5.9E+02		7.8E+00	2.7E-03	2.7E-01
Demeton							3.3E+00	1.4E+01				
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)							3.3E+03	1.4E+04				
Diallate		1.0E+02	3.4E+02		9.6E+00						1.5E-02	1.5E+00
Diazinon						1.0E-04	7.4E+01	3.2E+02				
Dibenz(a,h)acridine	2.2E-04	5.1E+00	1.7E+01		4.9E-01						7.6E-04	7.6E-02
Dibenz(a,j)acridine	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01
Dibenz-a,h-anthracene	2.8E-05	8.3E-01	2.2E+00		8.0E-02						2.0E-04	2.0E-02

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Dibenzo(a,e)pyrene	2.8E-05	8.3E-01	2.8E+00		8.0E-02						1.3E-04	1.3E-02
Dibenzo(a,h)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03
Dibenzo(a,i)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03
Dibenzofuran							3.3E+02	1.4E+03				
Dibenzothiophene							2.5E+02	1.1E+03		4.7E+01		
Dibromo-3-chloropropane, 1,2-	4.1E-06	7.6E+00	2.6E+01			2.1E-04	1.6E+01	7.1E+01				
Dibromochloromethane[4] (chlorodibromomethane)		7.2E+01					1.6E+03				1.1E-02	1.1E+00
Dibromofluoromethane							1.6E+04					
Dicamba							2.5E+03	1.1E+04				
Dichlormid							2.0E+03	8.9E+03				
Dichloro-2-butene, 1,4-	5.8E-06											
Dichloro-2-butene, 1,4- trans	5.8E-06											
Dichlorobenzene, 1,2-						3.1E-02	7.4E+03					
Dichlorobenzene, 1,3-						8.3E-03	2.5E+03					
Dichlorobenzene, 1,4-		2.5E+02				1.1E-01						
Dichlorobenzidine, 3,3-		1.3E+01	4.6E+01								2.0E-03	2.0E-01
Dichlorobutane, 2,3-						7.3E-03	8.2E+02					
Dichlorodifluoromethane						1.0E-01	1.6E+04					
Dichloroethane, 1,1-						2.5E+00	1.6E+04					
Dichloroethane, 1,2-	9.4E-04	6.7E+01				7.3E-03	4.9E+02					
Dichloroethylene, 1,1-						3.5E-01	4.1E+03					
Dichloroethylene, cis-1,2-						6.3E-02	1.6E+02					
Dichloroethylene, trans-1,2						6.3E-02	1.6E+03					
Dichlorofluoromethane							1.6E+04					
Dichlorophenol, 2,3-							2.5E+02	1.1E+03				
Dichlorophenol, 2,4-							2.5E+02	1.1E+03				
Dichlorophenol, 2,5-							2.5E+02	1.1E+03				
Dichlorophenol, 2,6-							8.2E+01	3.6E+02				
Dichlorophenol, 3,4-							2.5E+02	1.1E+03				
Dichlorophenol, 3,5-							2.5E+02	1.1E+03				
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)							6.6E+02	2.8E+03				
Dichlorophenoxyacetic acid, 2,4- (2,4-D)							8.2E+02	7.1E+03				
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)							8.2E+02	3.6E+03				
Dichloropropane, 1,2-		8.9E+01				4.2E-03	7.4E+03					
Dichloropropane, 1,3-	6.1E-03	6.1E+01				2.1E-02	1.6E+03				9.1E-03	9.1E-01
Dichloropropane, 2,2-		8.9E+01				4.2E-03	7.4E+03				1.3E-02	1.3E+00
Dichloropropanol, 2,3-							2.5E+02	1.1E+03				
Dichloropropene, 1,1-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01
Dichloropropene, 1,3- (mixed isomers)	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01
Dichloropropene, cis 1,3-		1.1E+01				2.1E-02	8.2E+00				1.7E-03	1.7E-01
Dichloropropene, trans 1,3-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01
Dichlorvos		2.1E+01	7.2E+01			5.2E-04	4.1E+01	1.8E+02			3.1E-03	3.1E-01
Dicrotophos (bidrin)							8.2E+00	3.6E+01				
Dicyclopentadiene						7.3E-03	6.6E+02					
Dieldrin	5.3E-06	3.8E-01	1.3E+00		3.7E-02		4.1E+00	1.8E+01		7.8E-01	5.7E-05	5.7E-03
Diethanolamine							4.1E+01	1.8E+02				
Diethyl phthalate							6.6E+04	2.8E+05				
Diethylene glycol							1.6E+05	7.1E+05				
Diethylene glycol monobutyl ether						1.0E-04	2.5E+03	1.1E+04				
Diethylhexyl adipate		5.1E+03	1.7E+04				4.9E+04	2.1E+05				
Diethylstilbestrol		1.3E-03	4.4E-03		1.2E-04						1.9E-07	1.9E-05

Table 9
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Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Diisobutylene (trimethyl-1-pentene, 2,4,4-)						2.1E-01	4.9E+03					
Diisopropylbenzene, p-							8.2E+02					
Diisopropyl ether (2,2'-oxybis-propane)						7.3E-01	8.2E+03					
Dimethenamid							1.2E+03	5.3E+03				
Dimethoate							1.6E+01	7.1E+01				
Dimethoxybenzidine, 3,3'-		4.3E+02	1.5E+03								6.5E-02	6.5E+00
Dimethylphenethylamine, alpha, alpha-							1.6E+02	7.1E+02				
Dimethyl phenol, 2,4-							1.6E+03	7.1E+03				
Dimethylaminoazobenzene, p-							8.2E-01	3.6E+00		1.6E-01		
Dimethylbenz-a-anthracene, 7,12-	1.0E-06	2.4E-02	6.4E-02		2.3E-03						3.7E-06	3.7E-04
Dimethylbenzidine, 3,3'-		5.5E-01	1.9E+00								8.3E-05	8.3E-03
Dimethylnaphthalene, 1,3-							3.3E+03	1.1E+04		6.3E+02		
Dimethylphthalate							6.6E+04	2.8E+05				
Di-n-butyl phthalate							8.2E+03	3.6E+04		1.6E+03		
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)							8.2E+00	3.6E+01				
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)							8.2E+00	3.6E+01				
Dinitrobenzene, 1,4-							8.2E+00	3.6E+01				
Dinitrophenol, 2,4-							1.6E+02	7.1E+02				
Dinitrophenol, 2,5-							1.6E+02	7.1E+02				
Dinitrotoluene, 2,4-		8.9E+00	3.1E+01				1.6E+02	7.1E+02			1.3E-03	1.3E-01
Dinitrotoluene, 2,6-		8.9E+00	3.1E+01				8.2E+01	3.6E+02			1.3E-03	1.3E-01
Di-n-octyl phthalate							3.3E+03	1.4E+04		6.3E+02		
Dinoseb							8.2E+01	3.6E+02				
Dioxane 1,4-		6.1E+01				3.8E+00	2.5E+03				9.1E-03	9.1E-01
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)							1.0E-03					
Diphenyl ether							5.1E+02	2.2E+03		9.7E+01		
Diphenylamine							2.0E+03	8.9E+03				
Diphenylhydrazine, 1,2-	1.1E-04	7.6E+00	2.6E+01								1.1E-03	1.1E-01
Dipropylene glycol							9.8E+03	4.3E+04				
Diquat							1.8E+02	7.8E+02				
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03				
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03				
Disulfoton							3.3E+00	1.4E+01				
Diuron							1.6E+02	7.1E+02				
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02		
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02		
Endosulfan							4.9E+02	2.1E+03				
Endosulfan I							1.6E+02	7.1E+02		3.1E+01		
Endosulfan II							4.9E+02	2.1E+03		9.4E+01		
Endosulfan sulfate							4.9E+02	2.1E+03		9.4E+01		
Endothall							1.6E+03	7.1E+03				
Endrin							2.5E+01	1.1E+02		4.7E+00		
Endrin aldehyde							2.5E+01	1.1E+02		4.7E+00		
Endrin ketone							2.5E+01	1.1E+02		4.7E+00		
Epichlorohydrin	2.0E-02	6.1E+02				1.0E-03	4.9E+02				9.2E-02	9.2E+00
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)							8.2E-01	3.6E+00				
Esfenvalerate							1.6E+02	7.1E+02		3.1E+01		
Ethalfluralin (sonolan)		6.8E+01	2.3E+02		6.6E+00		3.3E+03	1.4E+04		6.3E+02	1.0E-02	1.0E+00
Ethanol							2.7E+06					
Ethanol, 2-amino-							1.4E+02					
Ethanol, 2-(2-aminoethoxy)-							4.1E+01					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Ethanol, 2-(2-ethoxyethoxy)-							1.6E+05					
Ethanol, 2-(methylamino)-						4.8E-02	1.3E+03					
Ethion							4.1E+01	1.8E+02		7.8E+00		
Ethoprop		2.2E+02	7.4E+02				8.2E+00	3.6E+01			3.2E-02	3.2E+00
Ethoxy ethanol, 2-						2.1E-01	3.3E+04					
Ethyl acetate							7.4E+04					
Ethyl acrylate		1.3E+02									1.9E-02	1.9E+00
Ethyl benzene						2.0E+00	8.2E+03					
Ethyl dipropylthiocarbamate, S-							2.0E+03	8.9E+03				
Ethyl ether							1.6E+04					
Ethyl methacrylate						3.1E-01	7.4E+03					
Ethyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)						3.1E-01	8.2E+01					
Ethyl-1-hexanol, 2-							1.2E+04	5.3E+04				
Ethyl-2-hexenal, 2-							1.2E+04					
Ethyl-2-methyl benzene, 1-						4.2E-01	4.1E+03					
Ethyl-4-methyl benzene, 1-						4.2E-01	4.1E+03					
Ethylene*												
Ethylene dibromide (dibromoethane, 1,2-)	4.1E-05	3.0E+00				9.4E-03	7.4E+02					
Ethylene glycol							1.6E+05	7.1E+05				
Ethylene oxide	2.4E-04	6.0E+00									8.9E-04	8.9E-02
Ethylene thiourea		5.5E+01	1.9E+02				6.6E+00	2.8E+01			8.3E-03	8.3E-01
Ethylenediamine							7.4E+03					
Ethylenimine	1.3E-06	9.3E-02									1.4E-05	1.4E-03
Ethylhexyl acrylate, 2-		1.3E+02	4.3E+02								1.9E-02	1.9E+00
Famphur							2.5E+00	1.1E+01				
Fensulfothion							8.2E+01	3.6E+02				
Fenthion							5.7E+00	2.5E+01				
Fluoranthene							3.3E+03	1.1E+04		6.3E+02		
Fluorene							3.3E+03	1.1E+04		6.3E+02		
Fluorine (soluble fluoride)						2.8E-02	4.9E+03	2.1E+05				
Fluorochloridone							6.1E+02	2.7E+03				
Fonofos							1.6E+02	7.1E+02				
Formaldehyde						1.1E-02	1.6E+04					
Formic acid						3.1E-03	7.4E+04					
Furan							8.2E+01					
Furfural							2.5E+02					
Glycidylaldehyde						1.0E-03	3.3E+01					
Glyphosate							8.2E+03	3.6E+04				
Heptachlor	1.9E-05	1.3E+00	4.6E+00		1.3E-01		4.1E+01	1.8E+02		7.8E+00		
Heptachlor epoxide	9.4E-06	6.7E-01	2.3E+00		6.4E-02		1.1E+00	4.6E+00		2.0E-01		
Heptane, n-						1.9E+01	4.9E+03					
Heptanoic acid, n-						1.0E-03	4.1E+04	1.8E+05				
Hexachlorobenzene	5.3E-05	3.8E+00	1.3E+01		3.7E-01		6.6E+01	2.8E+02		1.3E+01		
Hexachlorobutadiene	1.1E-03	7.8E+01	2.7E+02				8.2E+01	3.6E+02			1.2E-02	1.2E+00
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-05	9.6E-01	8.2E+00		9.3E-02		6.6E+02	7.1E+03		1.3E+02	1.4E-04	1.4E-02
Hexachlorocyclohexane, beta (beta-BHC)	4.6E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02
Hexachlorocyclohexane, delta (delta-BHC)	4.8E-05	3.4E+00	2.9E+01				2.5E+01	2.7E+02			5.1E-04	5.1E-02
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)		4.7E+00	4.0E+01		4.5E-01		2.5E+01	2.7E+02		4.7E+00		
Hexachlorocyclohexane, techn (technical-BHC)	4.8E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02
Hexachlorocyclopentadiene						2.1E-04	4.9E+02	2.1E+03				

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Residential

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	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Hexachloroethane		1.5E+02	5.2E+02			3.1E-02	5.7E+01	2.5E+02			2.3E-02	2.3E+00
Hexachlorophene							2.5E+01	1.1E+02		4.7E+00		
Hexachloropropylene	6.1E-03	4.3E+02	1.5E+03				8.2E+01	3.6E+02			6.5E-02	6.5E+00
Hexanal, 2-ethyl-							1.2E+04	5.3E+04				
Hexane, n-						7.0E-01	4.9E+03					
Hexanediamine, 1,6-							4.1E+02					
Hexanedinitrile						6.3E-03	1.1E+02					
Hexanediol, 1,6-						1.9E+01	4.1E+05	1.8E+06				
Hexanoic acid						1.0E-03	5.2E+03	2.3E+04				
Hexanone, 2-						3.1E-02	4.1E+02					
Hexazinone							2.7E+03	1.2E+04				
Hexene, 1-						1.1E-01	2.7E+04					
Hexene, cis-2-						1.1E-01	2.7E+04					
Hexylene glycol (2-methyl-2,4-pentanediol)							2.5E+04	1.1E+05				
Hydrazine	5.0E-06	2.0E+00				3.1E-05					3.0E-04	3.0E-02
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)						1.0E-03	5.2E+03	2.3E+04				
Hydrogen chloride (hydrochloric acid)*												
Hydroquinone		1.0E+02	3.5E+02				3.3E+03	1.4E+04			1.5E-02	1.5E+00
Indene						3.1E-03	1.6E+03					
Indeno-1,2,3-cd-pyrene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01
Iron*												
Isoamyl alcohol							4.1E+02					
Isobutyl alcohol							2.5E+04					
Isobutylene (2-methyl-1-propene)						1.1E+02						
Isobutyric acid (2-methylpropanoic acid)							4.1E+04	1.8E+05				
Isodecanol							1.3E+02	5.7E+02		2.5E+01		
Isodrin	5.0E-07	3.6E-02	1.2E-01				2.5E-01	1.1E+00			5.4E-06	5.4E-04
Isopentane						2.5E+01	4.9E+03					
Isophorone		6.4E+03	2.2E+04				1.6E+04	7.1E+04			9.6E-01	9.6E+01
Isopropyl acetate							5.7E+03					
Isopropyl alcohol							1.6E+04					
Isosafrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01
Kelthane (dicofol)							4.9E+02	2.1E+03		9.4E+01		
Kepone (chlordecone)	5.3E-06	6.1E-01	2.1E+00		5.8E-02		2.5E+01	1.1E+02		4.7E+00	9.1E-05	9.1E-03
Lead (inorganic)							5.0E+02					
Leptophos						1.9E-06	4.1E-01			7.8E-02		
Limonene, d-*												
Lithium							1.6E+02	7.1E+03	1.3E+01	3.1E+01		
Magnesium*												
Malathion						2.1E-04	1.6E+03	7.1E+03				
Maleic anhydride							8.2E+03	3.6E+04				
Maleic hydrazide							4.1E+04	1.8E+05				
Malononitrile							8.2E+00	3.6E+01				
Mancozeb							2.5E+03	1.1E+04				
Manganese						5.2E-05	1.1E+04	3.0E+04	9.1E+02	2.2E+03		
MCPA (4-(chloro-2-methylphenoxy) acetic acid)							4.1E+01	1.8E+02				
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02				
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02				
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02				
Mercuric chloride (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00			
Mercuric chloride (pH = 6.8)						3.1E-04	2.5E+01	7.5E+01	2.0E+00			

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	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Mercury (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00			
Merphos							2.5E+00	1.1E+01				
Methacrylic acid (2-methyl-2-propenoic acid)							8.2E+02					
Methacrylonitrile							8.2E+00					
Methanol							4.1E+04					
Methapyrilene		1.3E+00	4.4E+00								1.9E-04	1.9E-02
Methomyl							2.0E+03	8.9E+03				
Methoxychlor							4.1E+02	1.8E+03		7.8E+01		
Methoxyethanol, 2-						2.1E-02	4.1E+02					
Methyl acetate (acetic acid, methyl ester)							8.2E+04					
Methyl acrylate							1.6E+02					
Methyl amyl ketone (2-heptanone)						2.9E+00	4.1E+03					
Methyl chrysene, 1-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01
Methyl chrysene, 2-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01
Methyl chrysene, 6-	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00
Methyl cyclohexane						3.1E+00	4.1E+05					
Methyl ethyl ketone (2-butanone)						9.2E+00	4.9E+04					
Methyl iodide (iodomethane)							1.1E+02					
Methyl isobutyl ketone (4-methyl-2-pentanone)						3.1E+00	6.6E+03					
Methyl mercury							8.2E+00	3.6E+02				
Methyl methacrylate						7.3E-01	1.1E+05					
Methyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01
Methyl parathion							2.0E+01	8.9E+01				
Methyl-1-butene, 2-						1.9E+01	4.9E+03					
Methyl-1-propanal, 2- (isobutyraldehyde)							3.3E+03					
Methyl-2-butene, 2-						1.9E+01	4.9E+03					
Methyl-2-pentenal, 2-		3.2E+00									4.8E-04	4.8E-02
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)		6.7E+02	2.3E+03								1.0E-01	1.0E+01
Methylcholanthrene, 3-	1.2E-05	2.8E-01	7.3E-01		2.7E-02						4.1E-05	4.1E-03
Methylene bromide (dibromomethane)		8.1E+02				4.2E-03	4.9E+03				1.2E-01	1.2E+01
Methylene chloride (dichloromethane)	8.7E-01	3.0E+03				1.4E+00	4.9E+02					
Methylene-bis (2-chloroaniline) 4,4'-	6.6E-04	6.1E+01	2.1E+02				1.6E+02	7.1E+02			9.1E-03	9.1E-01
Methylmecury hydroxide							8.2E+00	3.6E+01				
Methylnaphthalene, 1-		2.1E+02	5.5E+02				5.7E+03	1.9E+04			3.1E-02	3.1E+00
Methylnaphthalene, 2-							3.3E+02	1.1E+03				
Methylpyrrolidone, N-							1.6E+03	7.1E+03				
Methylsytrene, alpha-						2.6E-02	6.8E+02					
Methyltetrahydrofuran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01
Methyltetrahydropyran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01
Metolachlor							1.2E+04	5.3E+04				
Metribuzin							2.0E+03	8.9E+03				
Mirex							1.6E+01	7.1E+01				
Molinate							1.6E+02	7.1E+02				
Molybdenum							4.1E+02	6.8E+03	3.3E+01	7.8E+01		
Monocrotophos							4.9E+01	2.1E+02				
Morpholine							4.1E+07					
Morpholine, N-butyl-							1.9E+02					
MTBE[5] (methyl tert-butyl ether)	9.4E-02	3.4E+03				3.1E+00	8.2E+02				5.1E-01	5.1E+01
Naled							1.6E+02	7.1E+02				
Naphthalene						3.1E-03	1.6E+03	5.5E+03				
Naphthoquinone, 1,4-							5.7E+02	2.5E+03				

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Residential

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	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Naphthylamine, 1-							1.6E+03	7.1E+03				
Naphthylamine, 2-		3.4E+00	1.2E+01								5.1E-04	5.1E-02
Napropamide							8.2E+03	3.6E+04				
Neopentyl glycol							2.5E+04	1.1E+05				
Nickel and compounds	1.4E-04					2.4E-04	1.6E+03	2.8E+03	1.3E+02	3.1E+02		
Nitrate							1.3E+05	5.7E+06				
Nitrite							8.2E+03	3.6E+05				
Nitroaniline, 2-						2.1E-04	2.5E+01	1.1E+02				
Nitroaniline, 3-		1.6E+02	5.5E+02			2.1E-04	2.5E+01	1.1E+02			2.4E-02	2.4E+00
Nitroaniline, 4-		3.0E+02	1.0E+03			6.3E-03	3.3E+02	1.4E+03			4.6E-02	4.6E+00
Nitrobenzene	6.1E-04					9.4E-03	1.6E+02	7.1E+02				
Nitroglycerin		3.6E+02	1.2E+03				8.2E+00	3.6E+01			5.4E-02	5.4E+00
Nitrophenol, 2-							1.6E+02	7.1E+02				
Nitrophenol, 3-							1.6E+02	7.1E+02				
Nitrophenol, 4-							1.6E+02	7.1E+02				
Nitropropane, 2-	9.0E-06					2.1E-02	1.1E+01					
Nitroquinoline-N-oxide, 4-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03
Nitrosodiethanolamine		2.2E+00	7.4E+00								3.3E-04	3.3E-02
Nitrosodiethylamine, n-	5.7E-07	4.0E-02									6.1E-06	6.1E-04
Nitrosodimethylamine, n-	1.7E-06	1.2E-01				4.2E-05	6.6E-01				1.8E-05	1.8E-03
Nitrosodi-n-butylamine, n-	1.5E-05	1.1E+00	3.8E+00								1.7E-04	1.7E-02
Nitrosodi-n-propylamine, n-		8.7E-01	7.4E-01								1.3E-04	1.3E-02
Nitrosodiphenylamine		1.2E+03	1.1E+03								1.9E-01	1.9E+01
Nitroso-methyl-ethyl-amine, n-		2.8E-01									4.1E-05	4.1E-03
Nitrosomorpholine, N-	1.3E-05	9.1E-01	3.1E+00								1.4E-04	1.4E-02
Nitroso-n-ethylurea, n-		4.3E-02	1.5E-01								6.5E-06	6.5E-04
Nitrosopiperidine, N-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03
Nitrosopyrrolidine, n-	4.0E-05	2.9E+00	9.9E+00								4.3E-04	4.3E-02
Nitrotoluene, m-							8.2E+02	3.6E+03				
Nitrotoluene, o-		2.8E+01	9.4E+01				7.4E+01	3.2E+02			4.1E-03	4.1E-01
Nitrotoluene, p-		3.8E+02	1.3E+03				3.3E+02	1.4E+03			5.7E-02	5.7E+00
Nonachlor, cis-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01
Nonachlor, trans-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01
Nonanal							1.6E+04	7.1E+04				
Nonene, 1-n							8.2E+03					
Nonylphenol							8.2E+03	3.6E+04		1.6E+03		
Nonylphenol							8.2E+03	3.6E+04		1.6E+03		
Nonylphenol							8.2E+03	3.6E+04		1.6E+03		
Nonylphenol ethoxylate							8.2E+03			1.6E+03		
Octamethylpyrophosphoramide							1.6E+02	7.1E+02				
Octanone						1.9E+01	4.9E+03					
Oxamyl							2.0E+03	8.9E+03				
Oxychlordane	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01
Paraquat							3.7E+02	1.6E+03				
Parathion (ethyl parathion)							4.9E+02	2.1E+03				
Pebulate							4.1E+03	1.8E+04				
Pendimethalin							3.3E+03	1.4E+04		6.3E+02		
Pentachlorobenzene							6.6E+01	2.8E+02				
Pentachloroethane	3.3E-03	6.7E+01					2.5E+03				1.0E-02	1.0E+00
Pentachloronitrobenzene		2.3E+01	8.0E+01		2.2E+00		2.5E+02	1.1E+03		4.7E+01	3.5E-03	3.5E-01
Pentachlorophenol		1.5E+01	2.1E+01		1.5E+00		4.1E+02	7.1E+02		7.8E+01		

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Pentadiene, 1,3-cis-						1.9E+01	4.9E+03					
Pentadiene, 1,3-trans-						1.9E+01	4.9E+03					
Pentaerythritol tetranitrate (PETN)							1.6E+02	7.1E+02				
Pentane						2.5E+01	5.7E+04					
Pentane, 2-methyl-						1.9E+01	4.9E+03					
Pentane, 3-methyl-						1.9E+01	4.9E+03					
Pentanediol, 1,5-						1.9E+01	4.1E+05	1.8E+06				
Pentanol, 1-							2.7E+03					
Pentanol, 4-methyl-2-							2.1E+03					
Pentanone, 2-							3.3E+03					
Pentene, 2-						1.9E+01	4.9E+03					
Pentyne, 1-						1.9E+01	4.9E+03					
Perchlorate							5.7E+01	5.0E+02				
Perylene							1.6E+03	7.1E+03		3.1E+02		
Phenacetin	3.9E-02	2.8E+03	9.4E+03								4.1E-01	4.1E+01
Phenanthrene							2.5E+03	8.2E+03		4.7E+02		
Phenanthridine							2.5E+02	1.1E+03				
Phenol							2.5E+04	1.1E+05				
Phenol, 4-tert-butyl-							4.1E+02	1.8E+03				
Phenothiazine							4.1E+01	1.8E+02		7.8E+00		
Phenyl mercuric acetate							6.6E+00	2.8E+01				
Phenylene diamine, m-							4.9E+02	2.1E+03				
Phenylene diamine, p-							1.6E+04	6.8E+04				
Phorate							1.6E+01	7.1E+01				
Phosalone							1.6E+02	7.1E+02				
Phosdrin (mevinphos)							2.0E+00	8.9E+00				
Phosmet							1.6E+03	7.1E+03				
Phosphine						3.1E-04	2.5E+01	2.1E+02				
Phosphorotrithioic acid, S,S,S-tributyl ester		7.2E+01			7.0E+00		8.2E+01			1.6E+01	1.1E-02	1.1E+00
Phosphorus, total*												
Phosphorus, white							1.6E+00	1.4E+01				
Phthalic anhydride						1.3E-01	1.6E+05	7.1E+05				
Picloram							5.7E+03	2.5E+04				
Picoline, 2- (2-methylpyridine)							7.4E+02					
Polybrominated biphenyls (PBBs)		6.8E-01	2.3E+00		6.6E-02		5.7E-01	2.5E+00		1.1E-01	1.0E-04	1.0E-02
Polychlorinated biphenyls (PCBs)	4.3E-05	3.0E+00	7.4E+00		2.9E-01		1.6E+00	5.1E+00		3.1E-01		
Potassium*												
Primene							4.9E+02	2.1E+03		9.4E+01		
Prometon (pramitol)							1.2E+03	5.3E+03				
Pronamide							6.1E+03	2.7E+04				
Propanal (propionaldehyde)						8.3E-03	6.6E+02					
Propane, 1-bromo-							2.9E+03					
Propanil							4.1E+02	1.8E+03				
Propanoic acid (propionic acid)							4.1E+04					
Propanol, 1-							1.6E+04					
Propargite							1.6E+03	7.1E+03				
Propargyl alcohol							1.6E+02					
Propazine		1.4E+02	4.7E+02				1.6E+03	7.1E+03			2.1E-02	2.1E+00
Propham							1.6E+03	7.1E+03				
Propionitrile (propane nitrile)							3.3E+01					
Propyl acetate, n-							7.4E+03					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Propylbenzene, n-						4.2E-01	3.3E+03					
Propylene glycol						3.1E-03	1.6E+06	7.1E+06				
Propylene glycol monomethyl ether						2.1E+00	5.7E+04					
Propylene oxide	6.6E-03	2.5E+01				3.1E-02					3.8E-03	3.8E-01
Propylene tetramer						1.0E+00	8.2E+03	3.6E+04				
Prothiofos (Tokuthion)							8.2E+00	3.6E+01		1.6E+00		
Pyrene							2.5E+03	8.2E+03		4.7E+02		
Pyridine							8.2E+01					
Quinoline		2.0E+00	6.9E+00								3.0E-04	3.0E-02
Ronnel							4.1E+03	1.8E+04		7.8E+02		
Safrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01
Selenium							4.1E+02	1.8E+04	3.3E+01	7.8E+01		
Selenourea							4.1E+02					
Silver							4.1E+02	7.1E+02	3.3E+01	7.8E+01		
Simazine		5.1E+01	1.7E+02				4.1E+02	1.8E+03				
Sodium*												
Sodium diethyldithiocarbamate		2.2E+01					2.5E+03				3.4E-03	3.4E-01
Sodium hypochlorite						3.2E-04	1.7E+04	1.5E+05				
Sodium polyacrylate						1.0E-03	4.1E+04					
Strontium							4.9E+04	4.3E+05	3.9E+03	9.4E+03		
Strychnine							2.5E+01	1.1E+02				
Styrene						4.9E-01	1.6E+04					
Sulfate*												
Sulfide*												
Sulfolane						6.7E-03	1.1E+03	4.6E+03				
Sulfur*												
Sulprofos (Bolstar)							2.5E+02	1.1E+03		4.7E+01		
Tebuconazole							2.5E+03	1.1E+04				
Tebuthiuron							5.7E+03	2.5E+04				
Terbufos							2.0E+00	8.9E+00				
Tert-amyl ethyl ether (TAEE)							3.3E+03					
Tert-amyl-methyl ether (TAME)							3.3E+03					
Tert-butyl alcohol (2-methyl-2-propanol)							7.4E+03					
Tetrachlorobenzene, 1,2,3,4-							2.5E+01	1.1E+02				
Tetrachlorobenzene, 1,2,3,5-							2.5E+01	1.1E+02		4.7E+00		
Tetrachlorobenzene, 1,2,4,5-							2.5E+01	1.1E+02				
Tetrachloroethane, 1,1,1,2-	3.3E-03	2.3E+02					2.5E+03				3.5E-02	3.5E+00
Tetrachloroethane, 1,1,2,2-		3.0E+01					1.6E+03				4.6E-03	4.6E-01
Tetrachloroethylene	6.4E-02	2.9E+03				3.9E-01	4.9E+02					
Tetrachlorophenol, 2,3,4,5-							2.5E+03	1.1E+04		4.7E+02		
Tetrachlorophenol, 2,3,4,6-							2.5E+03	1.1E+04		4.7E+02		
Tetrachlorophenol, 2,3,5,6-							2.5E+03	1.1E+04		4.7E+02		
Tetrachlorvinphos (Stirophos)							3.4E+03	1.5E+04		6.6E+02		
Tetradifon							1.6E+03	7.1E+03		3.1E+02		
Tetraethyl dithiopyrophosphate (sulfotep)							4.1E+01	1.8E+02				
Tetraethyl lead							8.2E-03	3.6E-02				
Tetraethyl pyrophosphate (TEPP)							9.0E-01	3.9E+00				
Tetraethylene glycol							2.7E+04	1.2E+05				
Tetrahydrofuran	1.3E-02	8.0E+02				2.1E+00	7.4E+04				1.2E-01	1.2E+01
Tetrahydropyran	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01
Tetraoxadodecane, 2,5,8,11-							2.0E+03					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Thallium and compounds (as thallium chloride)							6.6E+00	2.8E+02	5.2E-01	1.3E+00		
Thiofanox							2.5E+01	1.1E+02				
Thionazin							5.7E+00	2.5E+01				
Thiophanate-methyl							6.6E+03	2.8E+04				
Thiram							4.1E+02	1.8E+03				
Tin							4.9E+04	2.1E+05	3.9E+03	9.4E+03		
Titanium							4.1E+05	5.3E+05	3.3E+04	7.8E+04		
Toluene						4.3E+00	6.6E+03					
Toluene diisocyanate, 2,4/2,6-						7.3E-05						
Toluenediamine, 2,4-		1.9E+00	6.5E+00								2.9E-04	2.9E-02
Toluenediamine, 2,6-							2.5E+03	1.1E+04				
Toluidine, o-	4.8E-04	2.5E+01	8.7E+01								3.8E-03	3.8E-01
Toluidine, p-		3.2E+01	1.1E+02								4.8E-03	4.8E-01
Toxaphene	7.6E-05	5.5E+00	1.9E+01		5.3E-01							
TPH, TX1005, C6-C12						2.1E-01	3.3E+03					
TPH, TX1005, >C12-C28						2.1E-01	3.3E+03	1.4E+04				
TPH, TX1005, >C12-C35						2.1E-01	3.3E+03	1.4E+04				
TPH, TX1005, >C28-C35						2.1E-01	3.3E+03	1.4E+04				
TP Silvex, 2,4,5-							6.6E+02	2.8E+03				
Triademenol							2.5E+03	1.1E+04				
Triallate							1.1E+03	4.6E+03		2.0E+02		
Triaminotrinitrobenzene (TATB)		2.0E+02	6.9E+02				2.5E+02	1.1E+03			3.0E-02	3.0E+00
Tributyltin oxide							2.5E+01	1.1E+02		4.7E+00		
Trichloro-1,2,2-trifluoroethane, 1,1,2-						3.1E+01	2.5E+06					
Trichlorobenzene, 1,2,3-						2.1E-03	2.5E+02	1.1E+03				
Trichlorobenzene, 1,2,4-		2.1E+02	7.2E+02			2.1E-03	8.2E+02	3.6E+03				
Trichlorobenzene, 1,3,5-						2.1E-03	2.5E+02	1.1E+03				
Trichloroethane, 1,1,1-						5.3E+00	1.6E+05					
Trichloroethane, 1,1,2-	1.5E-03	1.1E+02					3.3E+02					
Trichloroethylene	5.9E-03	1.3E+02				2.1E-03	4.1E+01					
Trichlorofluoromethane							2.5E+04					
Trichloronate							2.5E+02	1.1E+03		4.7E+01		
Trichlorophenol, 2,3,4-							8.2E+03	3.6E+04				
Trichlorophenol, 2,3,5-							8.2E+03	3.6E+04				
Trichlorophenol, 2,3,6-							8.2E+03	3.6E+04		1.6E+03		
Trichlorophenol, 2,4,5-							8.2E+03	3.6E+04				
Trichlorophenol, 2,4,6-	7.8E-03	5.5E+02	1.9E+03				8.2E+01	3.6E+02			8.3E-02	8.3E+00
Trichlorophenol, 3,4,5-							8.2E+03	3.6E+04				
Trichlorophenoxyacetic acid, 2,4,5-							8.2E+02	3.6E+03				
Trichloropropane, 1,1,2-						3.1E-04	4.1E+02					
Trichloropropane, 1,2,3-		2.0E-01				3.1E-04	3.3E+02				3.0E-05	3.0E-03
Triethanolamine							1.6E+04	7.1E+04				
Triethylamine						7.3E-03						
Triethylene glycol							2.5E+05	1.1E+06				
Triethylphosphorothioate, O, O, O-							6.8E-01	3.0E+00				
Trifluralin		7.9E+02	2.7E+03		7.6E+01		6.1E+02	2.7E+03		1.2E+02	1.2E-01	1.2E+01
Trimethylamine						7.3E-03						
Trimethylbenzene, 1,2,3-						6.3E-03	4.1E+03					
Trimethylbenzene, 1,2,4-						7.3E-03	4.1E+03					
Trimethylbenzene, 1,3,5-						6.3E-03	4.1E+03					
Trinitrobenzene, 1,3,5-							2.5E+03	1.1E+04				

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groun	
	Carcinogenic					Noncarcinogenic					Carcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Trinitrophenylmethylnitramine (tetryl; nitramine)							3.3E+02	1.4E+03				
Trinitrotoluene, 2,4,6-		2.0E+02	6.9E+02				4.1E+01	1.8E+02			3.0E-02	3.0E+00
Uranium (soluble salts)						3.1E-04	2.5E+02	1.1E+04	2.0E+01	4.7E+01		
Valeric acid (pentanoic acid)						1.0E-03	4.1E+04	1.8E+05				
Vanadium						3.1E-05	1.5E+02	1.7E+02	1.2E+01	2.8E+01		
Vernam							8.2E+01	3.6E+02				
Vinyl acetate						2.1E-01	8.2E+04					
Vinyl chloride	2.9E-03	4.0E+00				6.3E-02	2.5E+02					
Vinylcyclohexane							4.1E+04					
Warfarin							2.5E+01	1.1E+02				
Xylene, m-						6.4E-01	1.6E+05					
Xylene, o-						6.4E-01	1.6E+05					
Xylene, p-						6.4E-01	1.6E+05					
Xylenes						6.4E-01	1.6E+04					
Zinc							2.5E+04	2.1E+05	2.0E+03	4.7E+03		

Footnotes

[1] Based on primary MCLs when available

[2] 100 x $^{GW}GW_{Ing}$

[3] Values for ammonia and MTBE are based on taste and odor.

[4] The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5] Persons must use the value provided in the "Secondary MCL" column of this table as the $^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

[6] Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PC TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

NA = not applicable

All values capped at 1E+06

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Acenaphthene							4.9E+03	1.6E+04		9.4E+02			1.5E+00
Acenaphthylene							4.9E+03	1.6E+04					1.5E+00
Acetaldehyde	1.1E-02					9.4E-03	8.2E+03						2.4E+00
Acetate, 2-ethoxyethanol						6.3E-02	8.2E+03						2.4E+00
Acetate, isoamyl							5.9E+03						1.8E+00
Acetate, isobutyl							3.9E+03						1.2E+00
Acetate, sec-butyl							3.9E+03						1.2E+00
Acetic acid*													
Acetone (2-propanone)						3.2E+01	7.4E+04						2.2E+01
Acetone cyanohydrin						6.3E-02	2.5E+02	1.1E+03					7.3E-02
Acetonitrile						6.3E-02	2.6E+03						7.8E-01
Acetophenone							8.2E+03	3.6E+04					2.4E+00
Acetylaminofluorene, 2-	1.9E-05	1.6E+00	5.5E+00								2.4E-04	2.4E-02	
Acifluorfen, sodium							1.1E+03	4.6E+03					3.2E-01
Acridine							2.5E+02	1.1E+03					7.3E-02
Acrolein						5.2E-04	4.1E+01						1.2E-02
Acrylamide	2.4E-04	1.2E+01	4.2E+01			6.3E-03	1.6E+02	7.1E+02			1.8E-03	1.8E-01	4.9E-02
Acrylic acid						1.0E-03	4.1E+04						1.2E+01
Acrylonitrile	3.6E-04	1.1E+01				2.1E-03	8.2E+01				1.7E-03	1.7E-01	2.4E-02
Adipic acid (hexanedioic acid)							1.6E+05	7.1E+05					4.9E+01
Alachlor		7.6E+01	2.6E+02				8.2E+02	3.6E+03					
Aldicarb							8.2E+01	3.6E+02					
Aldicarb sulfone							8.2E+01	3.6E+02					
Aldrin	5.0E-06	3.6E-01	1.2E+00		3.4E-02		2.5E+00	1.1E+01		4.7E-01	5.4E-05	5.4E-03	7.3E-04
Allyl alcohol						1.0E-04	4.1E+02						1.2E-01
Allyl chloride						1.0E-03	8.2E+02						2.4E-01
Aluminum						5.2E-03	8.2E+04	3.6E+05	6.5E+03	1.6E+04			2.4E+01
Ametryn							7.4E+02	3.2E+03					2.2E-01
Amino-2,6-dinitrotoluene, 4-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00	4.1E-03
Amino-4,6-dinitrotoluene, 2-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00	4.1E-03
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)		1.0E+00	3.4E+00								1.5E-04	1.5E-02	
Aminopyridine, 4-							1.6E+00	7.1E+00					4.9E-04
Ammonia						1.0E-01							
Ammonium polyphosphate*													
Ammonium salts*													
Aniline		1.1E+03	3.6E+03			1.0E-03	5.7E+02	2.5E+03			1.6E-01	1.6E+01	1.7E-01
Anthracene							2.5E+04	8.2E+04		4.7E+03			7.3E+00
Anthraquinone, 9,10-		1.6E+02	5.3E+02				1.6E+03	7.1E+03			2.3E-02	2.3E+00	4.9E-01
Antimony							3.3E+01	2.1E+02	2.6E+00	6.3E+00			
Aramite	3.4E-03	2.4E+02	8.3E+02		2.3E+01		4.1E+03	1.8E+04		7.8E+02	3.7E-02	3.7E+00	1.2E+00
Arsenic	5.7E-06	5.2E+01	4.6E+02	1.7E+00	3.9E+00		3.1E+01	3.6E+02	2.0E+00	4.7E+00			
Arsine						5.2E-05							
Asbestos[6]	3.2E-06												
Atrazine		2.7E+01	9.4E+01				2.9E+03	1.2E+04					
Azinphos-methyl (guthion)							1.2E+02	5.3E+02					3.7E-02
Azobenzene	7.8E-04	5.5E+01	1.9E+02		5.3E+00						8.3E-03	8.3E-01	
Barium							1.6E+04	5.0E+04	1.3E+03	3.1E+03			
Bayleton							2.5E+03	1.1E+04					7.3E-01
Benefin (benfluralin)							2.5E+04	1.1E+05		4.7E+03			7.3E+00
Benomyl							4.1E+03	1.8E+04					1.2E+00

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Benz-a-anthracene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01	
Benzaldehyde							8.2E+03						2.4E+00
Benzene	1.1E-02	4.0E+02				2.9E-01	3.3E+02						
Benzenedicarbonitrile, 1,3-							4.9E+02	2.1E+03					1.5E-01
Benzenedicarboxylic acid, 1,2-disodecyl ester						5.2E-03	3.3E+03			6.3E+02			9.8E-01
Benzenethiol							8.2E+01						2.4E-02
Benzidine	3.6E-07	2.6E-02	9.0E-02				2.5E+02	1.1E+03			4.0E-06	4.0E-04	7.3E-02
Benzo-a-pyrene	2.8E-05	8.3E-01	2.2E+00		8.0E-02								
Benzo-b-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01	
Benzo-e-pyrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01
Benzo-g,h,i-perylene							2.5E+03	8.2E+03		4.7E+02			7.3E-01
Benzoic acid							3.3E+05	1.4E+06					9.8E+01
Benzo-j-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01	
Benzo-k-fluoranthene	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00	
Benzophenone							5.5E+02	2.4E+03					1.6E-01
Benzotrichloride		4.7E-01	1.6E+00								7.0E-05	7.0E-03	
Benzoyl peroxide							4.1E+03	1.8E+04					1.2E+00
Benzyl alcohol							8.2E+03	3.6E+04					2.4E+00
Benzyl chloride		3.6E+01				1.0E-03	1.6E+02				5.4E-03	5.4E-01	4.9E-02
Benzyl dichloride		3.6E+01	1.2E+02			1.0E-03	1.6E+02	7.1E+02			5.4E-03	5.4E-01	4.9E-02
Beryllium	1.0E-05					2.1E-05	1.6E+02	5.0E+01	1.3E+01	3.1E+01			
Biphenyl, 1,1-							4.1E+03	1.8E+04					1.2E+00
Biphenyl, 1,1'-, 2-phenoxy-							4.1E+03			7.8E+02			1.2E+00
Biquinoline, 2,2'-							2.5E+02	1.1E+03		4.7E+01			7.3E-02
Bis (2-chloroethoxy) methane	7.4E-05	5.5E+00	1.9E+01				2.5E+02	1.1E+03			8.3E-04	8.3E-02	7.3E-02
Bis (2-chloroethyl) ether	7.4E-05	5.5E+00									8.3E-04	8.3E-02	
Bis (2-chloroisopropyl) ether	2.4E-03	8.7E+01	3.0E+02				3.3E+03	1.4E+04			1.3E-02	1.3E+00	9.8E-01
Bis (2-chloromethyl) ether	3.9E-07	2.8E-02									4.1E-06	4.1E-04	
Bis (2-ethyl-hexyl) phthalate		4.3E+02	2.8E+02		4.2E+01		1.6E+03	1.4E+03		3.1E+02			
Bismuth							4.1E+04	3.6E+05	3.3E+03				1.2E+01
Bisphenol A							4.1E+03	1.8E+04					1.2E+00
Boron						2.1E-02	1.6E+04	7.1E+05					4.9E+00
Bromacil							8.2E+03	3.6E+04					2.4E+00
Bromo-2-chloroethane, 1-							3.3E+03						9.8E-01
Bromobenzene						6.3E-02	6.6E+02						2.0E-01
Bromodichloromethane [4]		9.8E+01					1.6E+03				1.5E-02	1.5E+00	4.9E-01
Bromoform [4]	2.2E-02	7.7E+02					1.6E+03				1.2E-01	1.2E+01	4.9E-01
Bromomethane						5.2E-03	1.1E+02						3.4E-02
Bromophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03	
Butadiene, 1,3-	4.9E-02					3.4E-02							
Butadiene, 2-methyl-1,3- (isoprene)						1.9E+01	4.9E+03						1.5E+00
Butanal (butyraldehyde)							4.9E+03						1.5E+00
Butane, 2,3-dimethyl-						1.9E+01	4.9E+03						1.5E+00
Butanoic acid (butyric acid)						1.0E-03	4.1E+04	1.8E+05					1.2E+01
Butanol, 1-, 2-Me-							8.2E+02						2.4E-01
Butanol, 2-						3.1E+01	1.6E+05						4.9E+01
Butanol, 2-methyl-2-							8.2E+02						2.4E-01
Butanol, n-							8.2E+03						2.4E+00
Butene, 1-						1.9E+01	4.9E+03						1.5E+00
Butene, cis-2-						1.9E+01	4.9E+03						1.5E+00

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Butene, trans-2-						1.9E+01	4.9E+03						1.5E+00
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)						1.7E+00	8.2E+03	3.6E+04					2.4E+00
Butyl acetate						6.5E-01	1.1E+04						3.4E+00
Butyl acrylate							7.4E+02						2.2E-01
Butyl benzyl phthalate		3.2E+03	1.1E+04		3.1E+02		1.6E+04	7.1E+04		3.1E+03	4.8E-01	4.8E+01	4.9E+00
Butyl ether, n- (dibutyl ether)							8.2E+03						2.4E+00
Butyl methacrylate							7.4E+03						2.2E+00
Butylate							4.1E+03	1.8E+04					1.2E+00
Butylbenzene, n-							4.1E+03	1.8E+04					1.2E+00
Butylbenzene, sec-							3.3E+03						9.8E-01
Butylbenzene, tert-							3.3E+03						9.8E-01
Cacodylic acid							2.5E+02	1.1E+03					7.3E-02
Cadmium	1.4E-05						2.6E+02	2.2E+03	1.1E+01	2.5E+01			
Calcium*													
Caprolactam							4.1E+04	1.8E+05					1.2E+01
Captan		1.7E+03	5.9E+03				1.1E+04	4.6E+04			2.6E-01	2.6E+01	3.2E+00
Carbaryl							8.2E+03	3.6E+04					2.4E+00
Carbazole		3.0E+02	1.0E+03								4.6E-02	4.6E+00	
Carbofuran							4.1E+02	1.8E+03					
Carbon disulfide						7.3E-01	8.2E+03						2.4E+00
Carbon tetrachloride	4.1E-03	8.7E+01				1.0E-01	3.3E+02						
Carbophenothion							1.1E+03	4.6E+03		2.0E+02			3.2E-01
Carbosulfan							8.2E+02	3.6E+03		1.6E+02			2.4E-01
Carboxin							8.2E+03	3.6E+04					2.4E+00
Chloral							8.2E+03						2.4E+00
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)							8.2E+03	3.6E+04					2.4E+00
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)							1.2E+03	5.3E+03					3.7E-01
Chlordane (technical)	2.4E-04	1.7E+01	1.5E+02		1.7E+00	7.3E-04	4.1E+01	4.4E+02		7.8E+00			
Chlordane, cis- (alpha chlordane)	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02
Chlordane, gamma	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02
Chlorfenvinphos						2.1E-03	5.7E+01	2.5E+02		1.1E+01			1.7E-02
Chloride*													
Chlorine						1.6E-04	8.2E+03	7.1E+04					
Chloro-1,3-butadiene, 2-	8.1E-05					2.1E-02							
Chloro-2-propanol, 1-							1.6E+03						4.9E-01
Chloro-3-methylphenol, 4-							4.1E+02	1.8E+03					1.2E-01
Chloroaniline, p-		3.0E+01	1.0E+02				3.3E+02	1.4E+03			4.6E-03	4.6E-01	9.8E-02
Chlorobenzene						5.2E-02	1.6E+03						
Chlorobenzilate	3.1E-04	2.2E+01	7.7E+01				1.6E+03	7.1E+03			3.4E-03	3.4E-01	4.9E-01
Chlorobromomethane (bromochloromethane)							3.3E+03						9.8E-01
Chlorodifluoromethane						5.2E+01							
Chloroethane (ethyl chloride)						1.0E+01	3.3E+04						9.8E+00
Chloroethanol, 2-							3.3E+04						9.8E+00
Chloroethoxy ethene, 2- (2-chloroethylvinylether)		5.5E+00				3.1E-04	1.6E+02				8.3E-04	8.3E-02	4.9E-02
Chloroform	1.1E-03					1.0E-01	8.2E+02						2.4E-01
Chlorohexane, 1-						1.0E+00	3.3E+03						9.8E-01
Chloromethane (methyl chloride)	1.4E-02	4.7E+02				9.4E-02					7.0E-02	7.0E+00	
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)							6.6E+03	2.2E+04		1.3E+03			2.0E+00
Chloronaphthalene, 2- (chloronaphthalene, beta)							6.6E+03	2.2E+04					2.0E+00
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)		9.6E+02	3.3E+03			6.3E-04	8.2E+01	3.6E+02			1.4E-01	1.4E+01	2.4E-02
Chlorophenol, 2-							4.1E+02						1.2E-01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Chlorophenol, 3-							4.1E+02	1.8E+03					1.2E-01
Chlorophenol, 4-							4.1E+02	1.8E+03					1.2E-01
Chlorophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03	
Chloropropane, 2-						1.0E-01	2.5E+03						7.3E-01
Chlorothalonil		5.5E+02	1.9E+03				1.2E+03	5.3E+03			8.3E-02	8.3E+00	3.7E-01
Chlorotoluene, o- (2-chlorotoluene)						8.3E-01	1.6E+03	7.1E+03					4.9E-01
Chlorotoluene, p- (4-chlorotoluene)							1.6E+03						4.9E-01
Chlorpyrifos							2.5E+02	1.1E+03		4.7E+01			7.3E-02
Chromium (III)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04			
Chromium (total)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04			
Chromium (VI)	2.0E-06					1.0E-04	2.5E+02	2.7E+02	2.0E+01	4.7E+01			
Chrysene	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01	
Cobalt	2.7E-06					6.3E-06	2.5E+01	1.1E+03	2.0E+00	4.7E+00			7.3E-03
Copolymer acrylamide							1.6E+01	7.1E+01					4.9E-03
Copper							3.3E+03	1.4E+05	2.6E+02	6.3E+02			
Coronene							1.6E+02	7.1E+02		3.1E+01			4.9E-02
Coumaphos							5.7E+02	2.5E+03		1.1E+02			1.7E-01
Cresol							4.1E+03	1.8E+04					1.2E+00
Cresol, m- (3-methylphenol)							4.1E+03	1.8E+04					1.2E+00
Cresol, o- (2-methylphenol)							4.1E+03	1.8E+04					1.2E+00
Cresol, p- (4-methylphenol)							4.1E+02	1.8E+03					1.2E-01
Crotonaldehyde		3.2E+00					8.2E+01				4.8E-04	4.8E-02	2.4E-02
Cumene (isopropylbenzene)						4.2E-01	8.2E+03						2.4E+00
Cyanazine		7.2E+00	2.5E+01				1.6E+02	7.1E+02			1.1E-03	1.1E-01	4.9E-02
Cyanide						8.3E-04	4.9E+01	2.1E+03					
Cyanogen						8.3E-04	8.2E+01						2.4E-02
Cycloate							4.5E+03	2.0E+04					1.3E+00
Cyclohexane						6.3E+00	4.1E+05						1.2E+02
Cyclohexanol							4.1E+05	1.8E+06					1.2E+02
Cyclohexanone						7.3E-01	4.1E+05						1.2E+02
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)						3.4E-01	1.8E+03						5.4E-01
Cyclohexene-1-methanol, 3-							1.6E+03						4.9E-01
Cyclopentane						2.5E+01	4.9E+03						1.5E+00
Cyclopentane, methyl-						1.0E+00	8.2E+03						2.4E+00
Cyclopentene							4.1E+05						1.2E+02
Cyclotetramethylenetetranitramine (HMX)							4.1E+03	2.7E+03					1.2E+00
Cyclotrimethylenetrinitramine (RDX)		5.5E+01	1.9E+02				2.5E+02	1.1E+03			8.3E-03	8.3E-01	7.3E-02
Cymene (isopropyltoluene)							8.2E+03						2.4E+00
Cymoxanil							1.1E+03	4.6E+03					3.2E-01
Dacthal (DCPA)							8.2E+02	3.6E+03		1.6E+02			2.4E-01
Dalapon, sodium salt (2,2-dichloropropanoic acid)							2.5E+03	1.1E+04					
DDD		2.5E+01	2.9E+02		2.4E+00						3.8E-03	3.8E-01	
DDE		1.8E+01	2.0E+02		1.7E+00						2.7E-03	2.7E-01	
DDT	2.5E-04	1.8E+01	2.0E+02		1.7E+00		4.1E+01	5.9E+02		7.8E+00	2.7E-03	2.7E-01	1.2E-02
Demeton							3.3E+00	1.4E+01					9.8E-04
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)							3.3E+03	1.4E+04					9.8E-01
Diallate		1.0E+02	3.4E+02		9.6E+00						1.5E-02	1.5E+00	
Diazinon						1.0E-04	7.4E+01	3.2E+02					2.2E-02
Dibenz(a,h)acridine	2.2E-04	5.1E+00	1.7E+01		4.9E-01						7.6E-04	7.6E-02	
Dibenz(a,j)acridine	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01	
Dibenz-a,h-anthracene	2.8E-05	8.3E-01	2.2E+00		8.0E-02						2.0E-04	2.0E-02	

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)
Dibenzo(a,e)pyrene	2.8E-05	8.3E-01	2.8E+00		8.0E-02						1.3E-04	1.3E-02	
Dibenzo(a,h)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03	
Dibenzo(a,i)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03	
Dibenzofuran							3.3E+02	1.4E+03					9.8E-02
Dibenzothiophene							2.5E+02	1.1E+03		4.7E+01			7.3E-02
Dibromo-3-chloropropane, 1,2-	4.1E-06	7.6E+00	2.6E+01			2.1E-04	1.6E+01	7.1E+01					
Dibromochloromethane[4] (chlorodibromomethane)		7.2E+01					1.6E+03				1.1E-02	1.1E+00	4.9E-01
Dibromofluoromethane							1.6E+04						4.9E+00
Dicamba							2.5E+03	1.1E+04					7.3E-01
Dichlormid							2.0E+03	8.9E+03					6.1E-01
Dichloro-2-butene, 1,4-	5.8E-06												
Dichloro-2-butene, 1,4- trans	5.8E-06												
Dichlorobenzene, 1,2-						3.1E-02	7.4E+03						
Dichlorobenzene, 1,3-						8.3E-03	2.5E+03						7.3E-01
Dichlorobenzene, 1,4-		2.5E+02				1.1E-01							
Dichlorobenzidine, 3,3-		1.3E+01	4.6E+01								2.0E-03	2.0E-01	
Dichlorobutane, 2,3-						7.3E-03	8.2E+02						2.4E-01
Dichlorodifluoromethane						1.0E-01	1.6E+04						4.9E+00
Dichloroethane, 1,1-						2.5E+00	1.6E+04						4.9E+00
Dichloroethane, 1,2-	9.4E-04	6.7E+01				7.3E-03	4.9E+02						
Dichloroethylene, 1,1-						3.5E-01	4.1E+03						
Dichloroethylene, cis-1,2-						6.3E-02	1.6E+02						
Dichloroethylene, trans-1,2						6.3E-02	1.6E+03						
Dichlorofluoromethane							1.6E+04						4.9E+00
Dichlorophenol, 2,3-							2.5E+02	1.1E+03					7.3E-02
Dichlorophenol, 2,4-							2.5E+02	1.1E+03					7.3E-02
Dichlorophenol, 2,5-							2.5E+02	1.1E+03					7.3E-02
Dichlorophenol, 2,6-							8.2E+01	3.6E+02					2.4E-02
Dichlorophenol, 3,4-							2.5E+02	1.1E+03					7.3E-02
Dichlorophenol, 3,5-							2.5E+02	1.1E+03					7.3E-02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)							6.6E+02	2.8E+03					2.0E-01
Dichlorophenoxyacetic acid, 2,4- (2,4-D)							8.2E+02	7.1E+03					
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)							8.2E+02	3.6E+03					2.4E-01
Dichloropropane, 1,2-		8.9E+01				4.2E-03	7.4E+03						
Dichloropropane, 1,3-	6.1E-03	6.1E+01				2.1E-02	1.6E+03				9.1E-03	9.1E-01	4.9E-01
Dichloropropane, 2,2-		8.9E+01				4.2E-03	7.4E+03				1.3E-02	1.3E+00	2.2E+00
Dichloropropanol, 2,3-							2.5E+02	1.1E+03					7.3E-02
Dichloropropene, 1,1-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01
Dichloropropene, 1,3- (mixed isomers)	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01
Dichloropropene, cis 1,3-		1.1E+01				2.1E-02	8.2E+00				1.7E-03	1.7E-01	2.4E-03
Dichloropropene, trans 1,3-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01
Dichlorvos		2.1E+01	7.2E+01			5.2E-04	4.1E+01	1.8E+02			3.1E-03	3.1E-01	1.2E-02
Dicrotophos (bidrin)							8.2E+00	3.6E+01					2.4E-03
Dicyclopentadiene						7.3E-03	6.6E+02						2.0E-01
Dieldrin	5.3E-06	3.8E-01	1.3E+00		3.7E-02		4.1E+00	1.8E+01		7.8E-01	5.7E-05	5.7E-03	1.2E-03
Diethanolamine							4.1E+01	1.8E+02					1.2E-02
Diethyl phthalate							6.6E+04	2.8E+05					2.0E+01
Diethylene glycol							1.6E+05	7.1E+05					4.9E+01
Diethylene glycol monobutyl ether						1.0E-04	2.5E+03	1.1E+04					7.3E-01
Diethylhexyl adipate		5.1E+03	1.7E+04				4.9E+04	2.1E+05					
Diethylstilbestrol		1.3E-03	4.4E-03		1.2E-04						1.9E-07	1.9E-05	

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Diisobutylene (trimethyl-1-pentene, 2,4,4-)						2.1E-01	4.9E+03						1.5E+00
Diisopropylbenzene, p-							8.2E+02						2.4E-01
Diisopropyl ether (2,2'-oxybis-propane)						7.3E-01	8.2E+03						2.4E+00
Dimethenamid							1.2E+03	5.3E+03					3.7E-01
Dimethoate							1.6E+01	7.1E+01					4.9E-03
Dimethoxybenzidine, 3,3'-		4.3E+02	1.5E+03								6.5E-02	6.5E+00	
Dimethylphenethylamine, alpha, alpha-							1.6E+02	7.1E+02					4.9E-02
Dimethyl phenol, 2,4-							1.6E+03	7.1E+03					4.9E-01
Dimethylaminoazobenzene, p-							8.2E-01	3.6E+00		1.6E-01			2.4E-04
Dimethylbenz-a-anthracene, 7,12-	1.0E-06	2.4E-02	6.4E-02		2.3E-03						3.7E-06	3.7E-04	
Dimethylbenzidine, 3,3'-		5.5E-01	1.9E+00								8.3E-05	8.3E-03	
Dimethylnaphthalene, 1,3-							3.3E+03	1.1E+04		6.3E+02			9.8E-01
Dimethylphthalate							6.6E+04	2.8E+05					2.0E+01
Di-n-butyl phthalate							8.2E+03	3.6E+04		1.6E+03			2.4E+00
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)							8.2E+00	3.6E+01					2.4E-03
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)							8.2E+00	3.6E+01					2.4E-03
Dinitrobenzene, 1,4-							8.2E+00	3.6E+01					2.4E-03
Dinitrophenol, 2,4-							1.6E+02	7.1E+02					4.9E-02
Dinitrophenol, 2,5-							1.6E+02	7.1E+02					4.9E-02
Dinitrotoluene, 2,4-		8.9E+00	3.1E+01				1.6E+02	7.1E+02			1.3E-03	1.3E-01	4.9E-02
Dinitrotoluene, 2,6-		8.9E+00	3.1E+01				8.2E+01	3.6E+02			1.3E-03	1.3E-01	2.4E-02
Di-n-octyl phthalate							3.3E+03	1.4E+04		6.3E+02			9.8E-01
Dinoseb							8.2E+01	3.6E+02					
Dioxane 1,4-		6.1E+01				3.8E+00	2.5E+03				9.1E-03	9.1E-01	7.3E-01
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)							1.0E-03						
Diphenyl ether							5.1E+02	2.2E+03		9.7E+01			1.5E-01
Diphenylamine							2.0E+03	8.9E+03					6.1E-01
Diphenylhydrazine, 1,2-	1.1E-04	7.6E+00	2.6E+01								1.1E-03	1.1E-01	
Dipropylene glycol							9.8E+03	4.3E+04					2.9E+00
Diquat							1.8E+02	7.8E+02					
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03					2.4E-01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03					2.4E-01
Disulfoton							3.3E+00	1.4E+01					9.8E-04
Diuron							1.6E+02	7.1E+02					4.9E-02
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02			1.2E+00
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02			1.2E+00
Endosulfan							4.9E+02	2.1E+03					1.5E-01
Endosulfan I							1.6E+02	7.1E+02		3.1E+01			4.9E-02
Endosulfan II							4.9E+02	2.1E+03		9.4E+01			1.5E-01
Endosulfan sulfate							4.9E+02	2.1E+03		9.4E+01			1.5E-01
Endothall							1.6E+03	7.1E+03					
Endrin							2.5E+01	1.1E+02		4.7E+00			
Endrin aldehyde							2.5E+01	1.1E+02		4.7E+00			7.3E-03
Endrin ketone							2.5E+01	1.1E+02		4.7E+00			7.3E-03
Epichlorohydrin	2.0E-02	6.1E+02				1.0E-03	4.9E+02				9.2E-02	9.2E+00	1.5E-01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)							8.2E-01	3.6E+00					2.4E-04
Esfenvalerate							1.6E+02	7.1E+02		3.1E+01			4.9E-02
Ethalfluralin (sonolan)		6.8E+01	2.3E+02		6.6E+00		3.3E+03	1.4E+04		6.3E+02	1.0E-02	1.0E+00	9.8E-01
Ethanol							2.7E+06						8.1E+02
Ethanol, 2-amino-							1.4E+02						4.2E-02
Ethanol, 2-(2-aminoethoxy)-							4.1E+01						1.2E-02

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Ethanol, 2-(2-ethoxyethoxy)-							1.6E+05						4.9E+01
Ethanol, 2-(methylamino)-						4.8E-02	1.3E+03						3.9E-01
Ethion							4.1E+01	1.8E+02		7.8E+00			1.2E-02
Ethoprop		2.2E+02	7.4E+02				8.2E+00	3.6E+01			3.2E-02	3.2E+00	2.4E-03
Ethoxy ethanol, 2-						2.1E-01	3.3E+04						9.8E+00
Ethyl acetate							7.4E+04						2.2E+01
Ethyl acrylate		1.3E+02									1.9E-02	1.9E+00	
Ethyl benzene						2.0E+00	8.2E+03						
Ethyl dipropylthiocarbamate, S-							2.0E+03	8.9E+03					6.1E-01
Ethyl ether							1.6E+04						4.9E+00
Ethyl methacrylate						3.1E-01	7.4E+03						2.2E+00
Ethyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)						3.1E-01	8.2E+01						2.4E-02
Ethyl-1-hexanol, 2-							1.2E+04	5.3E+04					3.7E+00
Ethyl-2-hexenal, 2-							1.2E+04						3.7E+00
Ethyl-2-methyl benzene, 1-						4.2E-01	4.1E+03						1.2E+00
Ethyl-4-methyl benzene, 1-						4.2E-01	4.1E+03						1.2E+00
Ethylene*													
Ethylene dibromide (dibromoethane, 1,2-)	4.1E-05	3.0E+00				9.4E-03	7.4E+02						
Ethylene glycol							1.6E+05	7.1E+05					4.9E+01
Ethylene oxide	2.4E-04	6.0E+00									8.9E-04	8.9E-02	
Ethylene thiourea		5.5E+01	1.9E+02				6.6E+00	2.8E+01			8.3E-03	8.3E-01	2.0E-03
Ethylenediamine							7.4E+03						2.2E+00
Ethylenimine	1.3E-06	9.3E-02									1.4E-05	1.4E-03	
Ethylhexyl acrylate, 2-		1.3E+02	4.3E+02								1.9E-02	1.9E+00	
Famphur							2.5E+00	1.1E+01					7.3E-04
Fensulfothion							8.2E+01	3.6E+02					2.4E-02
Fenthion							5.7E+00	2.5E+01					1.7E-03
Fluoranthene							3.3E+03	1.1E+04		6.3E+02			9.8E-01
Fluorene							3.3E+03	1.1E+04		6.3E+02			9.8E-01
Fluorine (soluble fluoride)						2.8E-02	4.9E+03	2.1E+05					
Fluorochloridone							6.1E+02	2.7E+03					1.8E-01
Fonofos							1.6E+02	7.1E+02					4.9E-02
Formaldehyde						1.1E-02	1.6E+04						4.9E+00
Formic acid						3.1E-03	7.4E+04						2.2E+01
Furan							8.2E+01						2.4E-02
Furfural							2.5E+02						7.3E-02
Glycidylaldehyde						1.0E-03	3.3E+01						9.8E-03
Glyphosate							8.2E+03	3.6E+04					
Heptachlor	1.9E-05	1.3E+00	4.6E+00		1.3E-01		4.1E+01	1.8E+02		7.8E+00			
Heptachlor epoxide	9.4E-06	6.7E-01	2.3E+00		6.4E-02		1.1E+00	4.6E+00		2.0E-01			
Heptane, n-						1.9E+01	4.9E+03						1.5E+00
Heptanoic acid, n-						1.0E-03	4.1E+04	1.8E+05					1.2E+01
Hexachlorobenzene	5.3E-05	3.8E+00	1.3E+01		3.7E-01		6.6E+01	2.8E+02		1.3E+01			
Hexachlorobutadiene	1.1E-03	7.8E+01	2.7E+02				8.2E+01	3.6E+02			1.2E-02	1.2E+00	2.4E-02
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-05	9.6E-01	8.2E+00		9.3E-02		6.6E+02	7.1E+03		1.3E+02	1.4E-04	1.4E-02	2.0E-01
Hexachlorocyclohexane, beta (beta-BHC)	4.6E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02	
Hexachlorocyclohexane, delta (delta-BHC)	4.8E-05	3.4E+00	2.9E+01				2.5E+01	2.7E+02			5.1E-04	5.1E-02	7.3E-03
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)		4.7E+00	4.0E+01		4.5E-01		2.5E+01	2.7E+02		4.7E+00			
Hexachlorocyclohexane, techn (technical-BHC)	4.8E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02	
Hexachlorocyclopentadiene						2.1E-04	4.9E+02	2.1E+03					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Hexachloroethane		1.5E+02	5.2E+02			3.1E-02	5.7E+01	2.5E+02			2.3E-02	2.3E+00	1.7E-02
Hexachlorophene							2.5E+01	1.1E+02		4.7E+00			7.3E-03
Hexachloropropylene	6.1E-03	4.3E+02	1.5E+03				8.2E+01	3.6E+02			6.5E-02	6.5E+00	2.4E-02
Hexanal, 2-ethyl-							1.2E+04	5.3E+04					3.7E+00
Hexane, n-						7.0E-01	4.9E+03						1.5E+00
Hexanediamine, 1,6-							4.1E+02						1.2E-01
Hexanedinitrile						6.3E-03	1.1E+02						3.4E-02
Hexanediol, 1,6-						1.9E+01	4.1E+05	1.8E+06					1.2E+02
Hexanoic acid						1.0E-03	5.2E+03	2.3E+04					1.6E+00
Hexanone, 2-						3.1E-02	4.1E+02						1.2E-01
Hexazinone							2.7E+03	1.2E+04					8.1E-01
Hexene, 1-						1.1E-01	2.7E+04						8.1E+00
Hexene, cis-2-						1.1E-01	2.7E+04						8.1E+00
Hexylene glycol (2-methyl-2,4-pentanediol)							2.5E+04	1.1E+05					7.3E+00
Hydrazine	5.0E-06	2.0E+00				3.1E-05					3.0E-04	3.0E-02	
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)						1.0E-03	5.2E+03	2.3E+04					1.6E+00
Hydrogen chloride (hydrochloric acid)*													
Hydroquinone		1.0E+02	3.5E+02				3.3E+03	1.4E+04			1.5E-02	1.5E+00	9.8E-01
Indene						3.1E-03	1.6E+03						4.9E-01
Indeno-1,2,3-cd-pyrene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01	
Iron*													
Isoamyl alcohol							4.1E+02						1.2E-01
Isobutyl alcohol							2.5E+04						7.3E+00
Isobutylene (2-methyl-1-propene)						1.1E+02							
Isobutyric acid (2-methylpropanoic acid)							4.1E+04	1.8E+05					1.2E+01
Isodecanol							1.3E+02	5.7E+02		2.5E+01			3.9E-02
Isodrin	5.0E-07	3.6E-02	1.2E-01				2.5E-01	1.1E+00			5.4E-06	5.4E-04	7.3E-05
Isopentane						2.5E+01	4.9E+03						1.5E+00
Isophorone		6.4E+03	2.2E+04				1.6E+04	7.1E+04			9.6E-01	9.6E+01	4.9E+00
Isopropyl acetate							5.7E+03						1.7E+00
Isopropyl alcohol							1.6E+04						4.9E+00
Isosafrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01	
Kelthane (dicofol)							4.9E+02	2.1E+03		9.4E+01			1.5E-01
Kepone (chlordecone)	5.3E-06	6.1E-01	2.1E+00		5.8E-02		2.5E+01	1.1E+02		4.7E+00	9.1E-05	9.1E-03	7.3E-03
Lead (inorganic)							5.0E+02						
Leptophos						1.9E-06	4.1E-01			7.8E-02			1.2E-04
Limonene, d-*													
Lithium							1.6E+02	7.1E+03	1.3E+01	3.1E+01			4.9E-02
Magnesium*													
Malathion						2.1E-04	1.6E+03	7.1E+03					4.9E-01
Maleic anhydride							8.2E+03	3.6E+04					2.4E+00
Maleic hydrazide							4.1E+04	1.8E+05					1.2E+01
Malononitrile							8.2E+00	3.6E+01					2.4E-03
Mancozeb							2.5E+03	1.1E+04					7.3E-01
Manganese						5.2E-05	1.1E+04	3.0E+04	9.1E+02	2.2E+03			1.1E+00
MCPA (4-(chloro-2-methylphenoxy) acetic acid)							4.1E+01	1.8E+02					1.2E-02
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02
Mercuric chloride (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00				
Mercuric chloride (pH = 6.8)						3.1E-04	2.5E+01	7.5E+01	2.0E+00				

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)
Mercury (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00				
Merphos							2.5E+00	1.1E+01					7.3E-04
Methacrylic acid (2-methyl-2-propenoic acid)							8.2E+02						2.4E-01
Methacrylonitrile							8.2E+00						2.4E-03
Methanol							4.1E+04						1.2E+01
Methapyrilene		1.3E+00	4.4E+00								1.9E-04	1.9E-02	
Methomyl							2.0E+03	8.9E+03					6.1E-01
Methoxychlor							4.1E+02	1.8E+03		7.8E+01			
Methoxyethanol, 2-						2.1E-02	4.1E+02						1.2E-01
Methyl acetate (acetic acid, methyl ester)							8.2E+04						2.4E+01
Methyl acrylate							1.6E+02						4.9E-02
Methyl amyl ketone (2-heptanone)						2.9E+00	4.1E+03						1.2E+00
Methyl chrysene, 1-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01	
Methyl chrysene, 2-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01	
Methyl chrysene, 6-	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00	
Methyl cyclohexane						3.1E+00	4.1E+05						1.2E+02
Methyl ethyl ketone (2-butanone)						9.2E+00	4.9E+04						1.5E+01
Methyl iodide (iodomethane)							1.1E+02						3.4E-02
Methyl isobutyl ketone (4-methyl-2-pentanone)						3.1E+00	6.6E+03						2.0E+00
Methyl mercury							8.2E+00	3.6E+02					2.4E-03
Methyl methacrylate						7.3E-01	1.1E+05						3.4E+01
Methyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01	
Methyl parathion							2.0E+01	8.9E+01					6.1E-03
Methyl-1-butene, 2-						1.9E+01	4.9E+03						1.5E+00
Methyl-1-propanal, 2- (isobutyraldehyde)							3.3E+03						9.8E-01
Methyl-2-butene, 2-						1.9E+01	4.9E+03						1.5E+00
Methyl-2-pentenal, 2-		3.2E+00									4.8E-04	4.8E-02	
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)		6.7E+02	2.3E+03								1.0E-01	1.0E+01	
Methylcholanthrene, 3-	1.2E-05	2.8E-01	7.3E-01		2.7E-02						4.1E-05	4.1E-03	
Methylene bromide (dibromomethane)		8.1E+02				4.2E-03	4.9E+03				1.2E-01	1.2E+01	1.5E+00
Methylene chloride (dichloromethane)	8.7E-01	3.0E+03				1.4E+00	4.9E+02						
Methylene-bis (2-chloroaniline) 4,4'-	6.6E-04	6.1E+01	2.1E+02				1.6E+02	7.1E+02			9.1E-03	9.1E-01	4.9E-02
Methylmecury hydroxide							8.2E+00	3.6E+01					2.4E-03
Methylnaphthalene, 1-		2.1E+02	5.5E+02				5.7E+03	1.9E+04			3.1E-02	3.1E+00	1.7E+00
Methylnaphthalene, 2-							3.3E+02	1.1E+03					9.8E-02
Methylpyrrolidone, N-							1.6E+03	7.1E+03					4.9E-01
Methylsytrene, alpha-						2.6E-02	6.8E+02						2.0E-01
Methyltetrahydrofuran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00
Methyltetrahydropyran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00
Metolachlor							1.2E+04	5.3E+04					3.7E+00
Metribuzin							2.0E+03	8.9E+03					6.1E-01
Mirex							1.6E+01	7.1E+01					4.9E-03
Molinate							1.6E+02	7.1E+02					4.9E-02
Molybdenum							4.1E+02	6.8E+03	3.3E+01	7.8E+01			1.2E-01
Monocrotophos							4.9E+01	2.1E+02					1.5E-02
Morpholine							4.1E+07						1.2E+04
Morpholine, N-butyl-							1.9E+02						5.6E-02
MTBE[5] (methyl tert-butyl ether)	9.4E-02	3.4E+03				3.1E+00	8.2E+02				5.1E-01	5.1E+01	2.4E-01
Naled							1.6E+02	7.1E+02					4.9E-02
Naphthalene						3.1E-03	1.6E+03	5.5E+03					4.9E-01
Naphthoquinone, 1,4-							5.7E+02	2.5E+03					1.7E-01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Naphthylamine, 1-							1.6E+03	7.1E+03					4.9E-01
Naphthylamine, 2-		3.4E+00	1.2E+01								5.1E-04	5.1E-02	
Napropamide							8.2E+03	3.6E+04					2.4E+00
Neopentyl glycol							2.5E+04	1.1E+05					7.3E+00
Nickel and compounds	1.4E-04					2.4E-04	1.6E+03	2.8E+03	1.3E+02	3.1E+02			4.9E-01
Nitrate							1.3E+05	5.7E+06					
Nitrite							8.2E+03	3.6E+05					
Nitroaniline, 2-						2.1E-04	2.5E+01	1.1E+02					7.3E-03
Nitroaniline, 3-		1.6E+02	5.5E+02			2.1E-04	2.5E+01	1.1E+02			2.4E-02	2.4E+00	7.3E-03
Nitroaniline, 4-		3.0E+02	1.0E+03			6.3E-03	3.3E+02	1.4E+03			4.6E-02	4.6E+00	9.8E-02
Nitrobenzene	6.1E-04					9.4E-03	1.6E+02	7.1E+02					4.9E-02
Nitroglycerin		3.6E+02	1.2E+03				8.2E+00	3.6E+01			5.4E-02	5.4E+00	2.4E-03
Nitrophenol, 2-							1.6E+02	7.1E+02					4.9E-02
Nitrophenol, 3-							1.6E+02	7.1E+02					4.9E-02
Nitrophenol, 4-							1.6E+02	7.1E+02					4.9E-02
Nitropropane, 2-	9.0E-06					2.1E-02	1.1E+01						3.4E-03
Nitroquinoline-N-oxide, 4-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03	
Nitrosodiethanolamine		2.2E+00	7.4E+00								3.3E-04	3.3E-02	
Nitrosodiethylamine, n-	5.7E-07	4.0E-02									6.1E-06	6.1E-04	
Nitrosodimethylamine, n-	1.7E-06	1.2E-01				4.2E-05	6.6E-01				1.8E-05	1.8E-03	2.0E-04
Nitrosodi-n-butylamine, n-	1.5E-05	1.1E+00	3.8E+00								1.7E-04	1.7E-02	
Nitrosodi-n-propylamine, n-		8.7E-01	7.4E-01								1.3E-04	1.3E-02	
Nitrosodiphenylamine		1.2E+03	1.1E+03								1.9E-01	1.9E+01	
Nitroso-methyl-ethyl-amine, n-		2.8E-01									4.1E-05	4.1E-03	
Nitrosomorpholine, N-	1.3E-05	9.1E-01	3.1E+00								1.4E-04	1.4E-02	
Nitroso-n-ethylurea, n-		4.3E-02	1.5E-01								6.5E-06	6.5E-04	
Nitrosopiperidine, N-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03	
Nitrosopyrrolidine, n-	4.0E-05	2.9E+00	9.9E+00								4.3E-04	4.3E-02	
Nitrotoluene, m-							8.2E+02	3.6E+03					2.4E-01
Nitrotoluene, o-		2.8E+01	9.4E+01				7.4E+01	3.2E+02			4.1E-03	4.1E-01	2.2E-02
Nitrotoluene, p-		3.8E+02	1.3E+03				3.3E+02	1.4E+03			5.7E-02	5.7E+00	9.8E-02
Nonachlor, cis-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02
Nonachlor, trans-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02
Nonanal							1.6E+04	7.1E+04					4.9E+00
Nonene, 1-n							8.2E+03						2.4E+00
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00
Nonylphenol ethoxylate							8.2E+03			1.6E+03			2.4E+00
Octamethylpyrophosphoramide							1.6E+02	7.1E+02					4.9E-02
Octanone						1.9E+01	4.9E+03						1.5E+00
Oxamyl							2.0E+03	8.9E+03					
Oxychlordane	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02
Paraquat							3.7E+02	1.6E+03					1.1E-01
Parathion (ethyl parathion)							4.9E+02	2.1E+03					1.5E-01
Pebulate							4.1E+03	1.8E+04					1.2E+00
Pendimethalin							3.3E+03	1.4E+04		6.3E+02			9.8E-01
Pentachlorobenzene							6.6E+01	2.8E+02					2.0E-02
Pentachloroethane	3.3E-03	6.7E+01					2.5E+03				1.0E-02	1.0E+00	7.3E-01
Pentachloronitrobenzene		2.3E+01	8.0E+01		2.2E+00		2.5E+02	1.1E+03		4.7E+01	3.5E-03	3.5E-01	7.3E-02
Pentachlorophenol		1.5E+01	2.1E+01		1.5E+00		4.1E+02	7.1E+02		7.8E+01			

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Pentadiene, 1,3-cis-						1.9E+01	4.9E+03						1.5E+00
Pentadiene, 1,3-trans-						1.9E+01	4.9E+03						1.5E+00
Pentaerythritol tetranitrate (PETN)							1.6E+02	7.1E+02					4.9E-02
Pentane						2.5E+01	5.7E+04						1.7E+01
Pentane, 2-methyl-						1.9E+01	4.9E+03						1.5E+00
Pentane, 3-methyl-						1.9E+01	4.9E+03						1.5E+00
Pentanediol, 1,5-						1.9E+01	4.1E+05	1.8E+06					1.2E+02
Pentanol, 1-							2.7E+03						8.1E-01
Pentanol, 4-methyl-2-							2.1E+03						6.4E-01
Pentanone, 2-							3.3E+03						9.8E-01
Pentene, 2-						1.9E+01	4.9E+03						1.5E+00
Pentyne, 1-						1.9E+01	4.9E+03						1.5E+00
Perchlorate							5.7E+01	5.0E+02					1.7E-02
Perylene							1.6E+03	7.1E+03		3.1E+02			4.9E-01
Phenacetin	3.9E-02	2.8E+03	9.4E+03								4.1E-01	4.1E+01	
Phenanthrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01
Phenanthridine							2.5E+02	1.1E+03					7.3E-02
Phenol							2.5E+04	1.1E+05					7.3E+00
Phenol, 4-tert-butyl-							4.1E+02	1.8E+03					1.2E-01
Phenothiazine							4.1E+01	1.8E+02		7.8E+00			1.2E-02
Phenyl mercuric acetate							6.6E+00	2.8E+01					2.0E-03
Phenylene diamine, m-							4.9E+02	2.1E+03					1.5E-01
Phenylene diamine, p-							1.6E+04	6.8E+04					4.6E+00
Phorate							1.6E+01	7.1E+01					4.9E-03
Phosalone							1.6E+02	7.1E+02					4.9E-02
Phosdrin (mevinphos)							2.0E+00	8.9E+00					6.1E-04
Phosmet							1.6E+03	7.1E+03					4.9E-01
Phosphine						3.1E-04	2.5E+01	2.1E+02					7.3E-03
Phosphorotrithioic acid, S,S,S-tributyl ester		7.2E+01			7.0E+00		8.2E+01			1.6E+01	1.1E-02	1.1E+00	2.4E-02
Phosphorus, total*													
Phosphorus, white							1.6E+00	1.4E+01					4.9E-04
Phthalic anhydride						1.3E-01	1.6E+05	7.1E+05					4.9E+01
Picloram							5.7E+03	2.5E+04					
Picoline, 2- (2-methylpyridine)							7.4E+02						2.2E-01
Polybrominated biphenyls (PBBs)		6.8E-01	2.3E+00		6.6E-02		5.7E-01	2.5E+00		1.1E-01	1.0E-04	1.0E-02	1.7E-04
Polychlorinated biphenyls (PCBs)	4.3E-05	3.0E+00	7.4E+00		2.9E-01		1.6E+00	5.1E+00		3.1E-01			
Potassium*													
Primene							4.9E+02	2.1E+03		9.4E+01			1.5E-01
Prometon (pramitol)							1.2E+03	5.3E+03					3.7E-01
Pronamide							6.1E+03	2.7E+04					1.8E+00
Propanal (propionaldehyde)						8.3E-03	6.6E+02						2.0E-01
Propane, 1-bromo-							2.9E+03						8.8E-01
Propanil							4.1E+02	1.8E+03					1.2E-01
Propanoic acid (propionic acid)							4.1E+04						1.2E+01
Propanol, 1-							1.6E+04						4.9E+00
Propargite							1.6E+03	7.1E+03					4.9E-01
Propargyl alcohol							1.6E+02						4.9E-02
Propazine		1.4E+02	4.7E+02				1.6E+03	7.1E+03			2.1E-02	2.1E+00	4.9E-01
Propham							1.6E+03	7.1E+03					4.9E-01
Propionitrile (propane nitrile)							3.3E+01						9.8E-03
Propyl acetate, n-							7.4E+03						2.2E+00

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Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Propylbenzene, n-						4.2E-01	3.3E+03						9.8E-01
Propylene glycol						3.1E-03	1.6E+06	7.1E+06					4.9E+02
Propylene glycol monomethyl ether						2.1E+00	5.7E+04						1.7E+01
Propylene oxide	6.6E-03	2.5E+01				3.1E-02					3.8E-03	3.8E-01	
Propylene tetramer						1.0E+00	8.2E+03	3.6E+04					2.4E+00
Prothiofos (Tokuthion)							8.2E+00	3.6E+01		1.6E+00			2.4E-03
Pyrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01
Pyridine							8.2E+01						2.4E-02
Quinoline		2.0E+00	6.9E+00								3.0E-04	3.0E-02	
Ronnel							4.1E+03	1.8E+04		7.8E+02			1.2E+00
Safrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01	
Selenium							4.1E+02	1.8E+04	3.3E+01	7.8E+01			
Selenourea							4.1E+02						1.2E-01
Silver							4.1E+02	7.1E+02	3.3E+01	7.8E+01			1.2E-01
Simazine		5.1E+01	1.7E+02				4.1E+02	1.8E+03					
Sodium*													
Sodium diethyldithiocarbamate		2.2E+01					2.5E+03				3.4E-03	3.4E-01	7.3E-01
Sodium hypochlorite						3.2E-04	1.7E+04	1.5E+05					5.1E+00
Sodium polyacrylate						1.0E-03	4.1E+04						1.2E+01
Strontium							4.9E+04	4.3E+05	3.9E+03	9.4E+03			1.5E+01
Strychnine							2.5E+01	1.1E+02					7.3E-03
Styrene						4.9E-01	1.6E+04						
Sulfate*													
Sulfide*													
Sulfolane						6.7E-03	1.1E+03	4.6E+03					3.2E-01
Sulfur*													
Sulprofos (Bolstar)							2.5E+02	1.1E+03		4.7E+01			7.3E-02
Tebuconazole							2.5E+03	1.1E+04					7.3E-01
Tebuthiuron							5.7E+03	2.5E+04					1.7E+00
Terbufos							2.0E+00	8.9E+00					6.1E-04
Tert-amyl ethyl ether (TAEE)							3.3E+03						9.8E-01
Tert-amyl-methyl ether (TAME)							3.3E+03						9.8E-01
Tert-butyl alcohol (2-methyl-2-propanol)							7.4E+03						2.2E+00
Tetrachlorobenzene, 1,2,3,4-							2.5E+01	1.1E+02					7.3E-03
Tetrachlorobenzene, 1,2,3,5-							2.5E+01	1.1E+02		4.7E+00			7.3E-03
Tetrachlorobenzene, 1,2,4,5-							2.5E+01	1.1E+02					7.3E-03
Tetrachloroethane, 1,1,1,2-	3.3E-03	2.3E+02					2.5E+03				3.5E-02	3.5E+00	7.3E-01
Tetrachloroethane, 1,1,2,2-		3.0E+01					1.6E+03				4.6E-03	4.6E-01	4.9E-01
Tetrachloroethylene	6.4E-02	2.9E+03				3.9E-01	4.9E+02						
Tetrachlorophenol, 2,3,4,5-							2.5E+03	1.1E+04		4.7E+02			7.3E-01
Tetrachlorophenol, 2,3,4,6-							2.5E+03	1.1E+04		4.7E+02			7.3E-01
Tetrachlorophenol, 2,3,5,6-							2.5E+03	1.1E+04		4.7E+02			7.3E-01
Tetrachlorvinphos (Stirophos)							3.4E+03	1.5E+04		6.6E+02			1.0E+00
Tetradifon							1.6E+03	7.1E+03		3.1E+02			4.9E-01
Tetraethyl dithiopyrophosphate (sulfotep)							4.1E+01	1.8E+02					1.2E-02
Tetraethyl lead							8.2E-03	3.6E-02					2.4E-06
Tetraethyl pyrophosphate (TEPP)							9.0E-01	3.9E+00					2.7E-04
Tetraethylene glycol							2.7E+04	1.2E+05					8.1E+00
Tetrahydrofuran	1.3E-02	8.0E+02				2.1E+00	7.4E+04				1.2E-01	1.2E+01	2.2E+01
Tetrahydropyran	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00
Tetraoxadodecane, 2,5,8,11-							2.0E+03						6.1E-01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Thallium and compounds (as thallium chloride)							6.6E+00	2.8E+02	5.2E-01	1.3E+00			
Thiofanox							2.5E+01	1.1E+02					7.3E-03
Thionazin							5.7E+00	2.5E+01					1.7E-03
Thiophanate-methyl							6.6E+03	2.8E+04					2.0E+00
Thiram							4.1E+02	1.8E+03					1.2E-01
Tin							4.9E+04	2.1E+05	3.9E+03	9.4E+03			1.5E+01
Titanium							4.1E+05	5.3E+05	3.3E+04	7.8E+04			1.2E+02
Toluene						4.3E+00	6.6E+03						
Toluene diisocyanate, 2,4/2,6-						7.3E-05							
Toluenediamine, 2,4-		1.9E+00	6.5E+00								2.9E-04	2.9E-02	
Toluenediamine, 2,6-							2.5E+03	1.1E+04					7.3E-01
Toluidine, o-	4.8E-04	2.5E+01	8.7E+01								3.8E-03	3.8E-01	
Toluidine, p-		3.2E+01	1.1E+02								4.8E-03	4.8E-01	
Toxaphene	7.6E-05	5.5E+00	1.9E+01		5.3E-01								
TPH, TX1005, C6-C12						2.1E-01	3.3E+03						9.8E-01
TPH, TX1005, >C12-C28						2.1E-01	3.3E+03	1.4E+04					9.8E-01
TPH, TX1005, >C12-C35						2.1E-01	3.3E+03	1.4E+04					9.8E-01
TPH, TX1005, >C28-C35						2.1E-01	3.3E+03	1.4E+04					9.8E-01
TP Silvex, 2,4,5-							6.6E+02	2.8E+03					
Triademenol							2.5E+03	1.1E+04					7.3E-01
Triallate							1.1E+03	4.6E+03		2.0E+02			3.2E-01
Triaminotrinitrobenzene (TATB)		2.0E+02	6.9E+02				2.5E+02	1.1E+03			3.0E-02	3.0E+00	7.3E-02
Tributyltin oxide							2.5E+01	1.1E+02		4.7E+00			7.3E-03
Trichloro-1,2,2-trifluoroethane, 1,1,2-						3.1E+01	2.5E+06						7.3E+02
Trichlorobenzene, 1,2,3-						2.1E-03	2.5E+02	1.1E+03					7.3E-02
Trichlorobenzene, 1,2,4-		2.1E+02	7.2E+02			2.1E-03	8.2E+02	3.6E+03					
Trichlorobenzene, 1,3,5-						2.1E-03	2.5E+02	1.1E+03					7.3E-02
Trichloroethane, 1,1,1-						5.3E+00	1.6E+05						
Trichloroethane, 1,1,2-	1.5E-03	1.1E+02					3.3E+02						
Trichloroethylene	5.9E-03	1.3E+02				2.1E-03	4.1E+01						
Trichlorofluoromethane							2.5E+04						7.3E+00
Trichloronate							2.5E+02	1.1E+03		4.7E+01			7.3E-02
Trichlorophenol, 2,3,4-							8.2E+03	3.6E+04					2.4E+00
Trichlorophenol, 2,3,5-							8.2E+03	3.6E+04					2.4E+00
Trichlorophenol, 2,3,6-							8.2E+03	3.6E+04		1.6E+03			2.4E+00
Trichlorophenol, 2,4,5-							8.2E+03	3.6E+04					2.4E+00
Trichlorophenol, 2,4,6-	7.8E-03	5.5E+02	1.9E+03				8.2E+01	3.6E+02			8.3E-02	8.3E+00	2.4E-02
Trichlorophenol, 3,4,5-							8.2E+03	3.6E+04					2.4E+00
Trichlorophenoxyacetic acid, 2,4,5-							8.2E+02	3.6E+03					2.4E-01
Trichloropropane, 1,1,2-						3.1E-04	4.1E+02						1.2E-01
Trichloropropane, 1,2,3-		2.0E-01				3.1E-04	3.3E+02				3.0E-05	3.0E-03	9.8E-02
Triethanolamine							1.6E+04	7.1E+04					4.9E+00
Triethylamine						7.3E-03							
Triethylene glycol							2.5E+05	1.1E+06					7.3E+01
Triethylphosphorothioate, O, O, O-							6.8E-01	3.0E+00					2.0E-04
Trifluralin		7.9E+02	2.7E+03		7.6E+01		6.1E+02	2.7E+03		1.2E+02	1.2E-01	1.2E+01	1.8E-01
Trimethylamine						7.3E-03							
Trimethylbenzene, 1,2,3-						6.3E-03	4.1E+03						1.2E+00
Trimethylbenzene, 1,2,4-						7.3E-03	4.1E+03						1.2E+00
Trimethylbenzene, 1,3,5-						6.3E-03	4.1E+03						1.2E+00
Trinitrobenzene, 1,3,5-							2.5E+03	1.1E+04					7.3E-01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater		
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncar
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)
Trinitrophenylmethylnitramine (tetryl; nitramine)							3.3E+02	1.4E+03					9.8E-02
Trinitrotoluene, 2,4,6-		2.0E+02	6.9E+02				4.1E+01	1.8E+02			3.0E-02	3.0E+00	1.2E-02
Uranium (soluble salts)						3.1E-04	2.5E+02	1.1E+04	2.0E+01	4.7E+01			
Valeric acid (pentanoic acid)						1.0E-03	4.1E+04	1.8E+05					1.2E+01
Vanadium						3.1E-05	1.5E+02	1.7E+02	1.2E+01	2.8E+01			4.4E-02
Vernam							8.2E+01	3.6E+02					2.4E-02
Vinyl acetate						2.1E-01	8.2E+04						2.4E+01
Vinyl chloride	2.9E-03	4.0E+00				6.3E-02	2.5E+02						
Vinylcyclohexane							4.1E+04						1.2E+01
Warfarin							2.5E+01	1.1E+02					7.3E-03
Xylene, m-						6.4E-01	1.6E+05						
Xylene, o-						6.4E-01	1.6E+05						
Xylene, p-						6.4E-01	1.6E+05						
Xylenes						6.4E-01	1.6E+04						
Zinc							2.5E+04	2.1E+05	2.0E+03	4.7E+03			7.3E+00

Footnotes

[1] Based on primary MCLs when available

[2] 100 x $^{GW}GW_{Ing}$

[3] Values for ammonia and MTBE are based on taste and odor.

[4] The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5] Persons must use the value provided in the "Secondary MCL" column of this table as the $^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

[6] Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

NA = not applicable

All values capped at 1E+06

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Acenaphthene							4.9E+03	1.6E+04		9.4E+02			1.5E+00	1.5E+02
Acenaphthylene							4.9E+03	1.6E+04					1.5E+00	1.5E+02
Acetaldehyde	1.1E-02					9.4E-03	8.2E+03						2.4E+00	2.4E+02
Acetate, 2-ethoxyethanol						6.3E-02	8.2E+03						2.4E+00	2.4E+02
Acetate, isoamyl							5.9E+03						1.8E+00	1.8E+02
Acetate, isobutyl							3.9E+03						1.2E+00	1.2E+02
Acetate, sec-butyl							3.9E+03						1.2E+00	1.2E+02
Acetic acid*														
Acetone (2-propanone)						3.2E+01	7.4E+04						2.2E+01	2.2E+03
Acetone cyanohydrin						6.3E-02	2.5E+02	1.1E+03					7.3E-02	7.3E+00
Acetonitrile						6.3E-02	2.6E+03						7.8E-01	7.8E+01
Acetophenone							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Acetylaminofluorene, 2-	1.9E-05	1.6E+00	5.5E+00								2.4E-04	2.4E-02		
Acifluorfen, sodium							1.1E+03	4.6E+03					3.2E-01	3.2E+01
Acridine							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Acrolein						5.2E-04	4.1E+01						1.2E-02	1.2E+00
Acrylamide	2.4E-04	1.2E+01	4.2E+01			6.3E-03	1.6E+02	7.1E+02			1.8E-03	1.8E-01	4.9E-02	4.9E+00
Acrylic acid						1.0E-03	4.1E+04						1.2E+01	1.2E+03
Acrylonitrile	3.6E-04	1.1E+01				2.1E-03	8.2E+01				1.7E-03	1.7E-01	2.4E-02	2.4E+00
Adipic acid (hexanedioic acid)							1.6E+05	7.1E+05					4.9E+01	4.9E+03
Alachlor		7.6E+01	2.6E+02				8.2E+02	3.6E+03						
Aldicarb							8.2E+01	3.6E+02						
Aldicarb sulfone							8.2E+01	3.6E+02						
Aldrin	5.0E-06	3.6E-01	1.2E+00		3.4E-02		2.5E+00	1.1E+01		4.7E-01	5.4E-05	5.4E-03	7.3E-04	7.3E-02
Allyl alcohol						1.0E-04	4.1E+02						1.2E-01	1.2E+01
Allyl chloride						1.0E-03	8.2E+02						2.4E-01	2.4E+01
Aluminum						5.2E-03	8.2E+04	3.6E+05	6.5E+03	1.6E+04			2.4E+01	2.4E+03
Ametryn							7.4E+02	3.2E+03					2.2E-01	2.2E+01
Amino-2,6-dinitrotoluene, 4-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00	4.1E-03	4.1E-01
Amino-4,6-dinitrotoluene, 2-		6.1E+02	2.1E+03				1.4E+01	5.9E+01			9.1E-02	9.1E+00	4.1E-03	4.1E-01
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)		1.0E+00	3.4E+00								1.5E-04	1.5E-02		
Aminopyridine, 4-							1.6E+00	7.1E+00					4.9E-04	4.9E-02
Ammonia						1.0E-01								
Ammonium polyphosphate*														
Ammonium salts*														
Aniline		1.1E+03	3.6E+03			1.0E-03	5.7E+02	2.5E+03			1.6E-01	1.6E+01	1.7E-01	1.7E+01
Anthracene							2.5E+04	8.2E+04		4.7E+03			7.3E+00	7.3E+02
Anthraquinone, 9,10-		1.6E+02	5.3E+02				1.6E+03	7.1E+03			2.3E-02	2.3E+00	4.9E-01	4.9E+01
Antimony							3.3E+01	2.1E+02	2.6E+00	6.3E+00				
Aramite	3.4E-03	2.4E+02	8.3E+02		2.3E+01		4.1E+03	1.8E+04		7.8E+02	3.7E-02	3.7E+00	1.2E+00	1.2E+02
Arsenic	5.7E-06	5.2E+01	4.6E+02	1.7E+00	3.9E+00		3.1E+01	3.6E+02	2.0E+00	4.7E+00				
Arsine						5.2E-05								
Asbestos[6]	3.2E-06													
Atrazine		2.7E+01	9.4E+01				2.9E+03	1.2E+04						
Azinphos-methyl (guthion)							1.2E+02	5.3E+02					3.7E-02	3.7E+00
Azobenzene	7.8E-04	5.5E+01	1.9E+02		5.3E+00						8.3E-03	8.3E-01		
Barium							1.6E+04	5.0E+04	1.3E+03	3.1E+03				
Bayleton							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Benefin (benfluralin)							2.5E+04	1.1E+05		4.7E+03			7.3E+00	7.3E+02
Benomyl							4.1E+03	1.8E+04					1.2E+00	1.2E+02

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Benz-a-anthracene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01		
Benzaldehyde							8.2E+03						2.4E+00	2.4E+02
Benzene	1.1E-02	4.0E+02				2.9E-01	3.3E+02							
Benzenedicarbonitrile, 1,3-							4.9E+02	2.1E+03					1.5E-01	1.5E+01
Benzenedicarboxylic acid, 1,2-disodecyl ester						5.2E-03	3.3E+03			6.3E+02			9.8E-01	9.8E+01
Benzenethiol							8.2E+01						2.4E-02	2.4E+00
Benzidine	3.6E-07	2.6E-02	9.0E-02				2.5E+02	1.1E+03			4.0E-06	4.0E-04	7.3E-02	7.3E+00
Benzo-a-pyrene	2.8E-05	8.3E-01	2.2E+00		8.0E-02									
Benzo-b-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01		
Benzo-e-pyrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01	7.3E+01
Benzo-g,h,i-perylene							2.5E+03	8.2E+03		4.7E+02			7.3E-01	7.3E+01
Benzoic acid							3.3E+05	1.4E+06					9.8E+01	9.8E+03
Benzo-j-fluoranthene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01		
Benzo-k-fluoranthene	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00		
Benzophenone							5.5E+02	2.4E+03					1.6E-01	1.6E+01
Benzotrichloride		4.7E-01	1.6E+00								7.0E-05	7.0E-03		
Benzoyl peroxide							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Benzyl alcohol							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Benzyl chloride		3.6E+01				1.0E-03	1.6E+02				5.4E-03	5.4E-01	4.9E-02	4.9E+00
Benzyl dichloride		3.6E+01	1.2E+02			1.0E-03	1.6E+02	7.1E+02			5.4E-03	5.4E-01	4.9E-02	4.9E+00
Beryllium	1.0E-05					2.1E-05	1.6E+02	5.0E+01	1.3E+01	3.1E+01				
Biphenyl, 1,1-							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Biphenyl, 1,1'-, 2-phenoxy-							4.1E+03			7.8E+02			1.2E+00	1.2E+02
Biquinoline, 2,2'-							2.5E+02	1.1E+03		4.7E+01			7.3E-02	7.3E+00
Bis (2-chloroethoxy) methane	7.4E-05	5.5E+00	1.9E+01				2.5E+02	1.1E+03			8.3E-04	8.3E-02	7.3E-02	7.3E+00
Bis (2-chloroethyl) ether	7.4E-05	5.5E+00									8.3E-04	8.3E-02		
Bis (2-chloroisopropyl) ether	2.4E-03	8.7E+01	3.0E+02				3.3E+03	1.4E+04			1.3E-02	1.3E+00	9.8E-01	9.8E+01
Bis (2-chloromethyl) ether	3.9E-07	2.8E-02									4.1E-06	4.1E-04		
Bis (2-ethyl-hexyl) phthalate		4.3E+02	2.8E+02		4.2E+01		1.6E+03	1.4E+03		3.1E+02				
Bismuth							4.1E+04	3.6E+05	3.3E+03				1.2E+01	1.2E+03
Bisphenol A							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Boron						2.1E-02	1.6E+04	7.1E+05					4.9E+00	4.9E+02
Bromacil							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Bromo-2-chloroethane, 1-							3.3E+03						9.8E-01	9.8E+01
Bromobenzene						6.3E-02	6.6E+02						2.0E-01	2.0E+01
Bromodichloromethane [4]		9.8E+01					1.6E+03				1.5E-02	1.5E+00	4.9E-01	4.9E+01
Bromoform [4]	2.2E-02	7.7E+02					1.6E+03				1.2E-01	1.2E+01	4.9E-01	4.9E+01
Bromomethane						5.2E-03	1.1E+02						3.4E-02	3.4E+00
Bromophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03		
Butadiene, 1,3-	4.9E-02					3.4E-02								
Butadiene, 2-methyl-1,3- (isoprene)						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Butanal (butyraldehyde)							4.9E+03						1.5E+00	1.5E+02
Butane, 2,3-dimethyl-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Butanoic acid (butyric acid)						1.0E-03	4.1E+04	1.8E+05					1.2E+01	1.2E+03
Butanol, 1-, 2-Me-							8.2E+02						2.4E-01	2.4E+01
Butanol, 2-						3.1E+01	1.6E+05						4.9E+01	4.9E+03
Butanol, 2-methyl-2-							8.2E+02						2.4E-01	2.4E+01
Butanol, n-							8.2E+03						2.4E+00	2.4E+02
Butene, 1-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Butene, cis-2-						1.9E+01	4.9E+03						1.5E+00	1.5E+02

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Butene, trans-2-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)						1.7E+00	8.2E+03	3.6E+04					2.4E+00	2.4E+02
Butyl acetate						6.5E-01	1.1E+04						3.4E+00	3.4E+02
Butyl acrylate							7.4E+02						2.2E-01	2.2E+01
Butyl benzyl phthalate		3.2E+03	1.1E+04		3.1E+02		1.6E+04	7.1E+04		3.1E+03	4.8E-01	4.8E+01	4.9E+00	4.9E+02
Butyl ether, n- (dibutyl ether)							8.2E+03						2.4E+00	2.4E+02
Butyl methacrylate							7.4E+03						2.2E+00	2.2E+02
Butylate							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Butylbenzene, n-							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Butylbenzene, sec-							3.3E+03						9.8E-01	9.8E+01
Butylbenzene, tert-							3.3E+03						9.8E-01	9.8E+01
Cacodylic acid							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Cadmium	1.4E-05						2.6E+02	2.2E+03	1.1E+01	2.5E+01				
Calcium*														
Caprolactam							4.1E+04	1.8E+05					1.2E+01	1.2E+03
Captan		1.7E+03	5.9E+03				1.1E+04	4.6E+04			2.6E-01	2.6E+01	3.2E+00	3.2E+02
Carbaryl							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Carbazole		3.0E+02	1.0E+03								4.6E-02	4.6E+00		
Carbofuran							4.1E+02	1.8E+03						
Carbon disulfide						7.3E-01	8.2E+03						2.4E+00	2.4E+02
Carbon tetrachloride	4.1E-03	8.7E+01				1.0E-01	3.3E+02							
Carbophenothion							1.1E+03	4.6E+03		2.0E+02			3.2E-01	3.2E+01
Carbosulfan							8.2E+02	3.6E+03		1.6E+02			2.4E-01	2.4E+01
Carboxin							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Chloral							8.2E+03						2.4E+00	2.4E+02
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)							1.2E+03	5.3E+03					3.7E-01	3.7E+01
Chlordane (technical)	2.4E-04	1.7E+01	1.5E+02		1.7E+00	7.3E-04	4.1E+01	4.4E+02		7.8E+00				
Chlordane, cis- (alpha chlordane)	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00
Chlordane, gamma	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00
Chlorfenvinphos						2.1E-03	5.7E+01	2.5E+02		1.1E+01			1.7E-02	1.7E+00
Chloride*														
Chlorine						1.6E-04	8.2E+03	7.1E+04						
Chloro-1,3-butadiene, 2-	8.1E-05					2.1E-02								
Chloro-2-propanol, 1-							1.6E+03						4.9E-01	4.9E+01
Chloro-3-methylphenol, 4-							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Chloroaniline, p-		3.0E+01	1.0E+02				3.3E+02	1.4E+03			4.6E-03	4.6E-01	9.8E-02	9.8E+00
Chlorobenzene						5.2E-02	1.6E+03							
Chlorobenzilate	3.1E-04	2.2E+01	7.7E+01				1.6E+03	7.1E+03			3.4E-03	3.4E-01	4.9E-01	4.9E+01
Chlorobromomethane (bromochloromethane)							3.3E+03						9.8E-01	9.8E+01
Chlorodifluoromethane						5.2E+01								
Chloroethane (ethyl chloride)						1.0E+01	3.3E+04						9.8E+00	9.8E+02
Chloroethanol, 2-							3.3E+04						9.8E+00	9.8E+02
Chloroethoxy ethene, 2- (2-chloroethylvinylether)		5.5E+00				3.1E-04	1.6E+02				8.3E-04	8.3E-02	4.9E-02	4.9E+00
Chloroform	1.1E-03					1.0E-01	8.2E+02						2.4E-01	2.4E+01
Chlorohexane, 1-						1.0E+00	3.3E+03						9.8E-01	9.8E+01
Chloromethane (methyl chloride)	1.4E-02	4.7E+02				9.4E-02					7.0E-02	7.0E+00		
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)							6.6E+03	2.2E+04		1.3E+03			2.0E+00	2.0E+02
Chloronaphthalene, 2- (chloronaphthalene, beta)							6.6E+03	2.2E+04					2.0E+00	2.0E+02
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)		9.6E+02	3.3E+03			6.3E-04	8.2E+01	3.6E+02			1.4E-01	1.4E+01	2.4E-02	2.4E+00
Chlorophenol, 2-							4.1E+02						1.2E-01	1.2E+01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Chlorophenol, 3-							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Chlorophenol, 4-							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Chlorophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00		3.9E-02						6.1E-05	6.1E-03		
Chloropropane, 2-						1.0E-01	2.5E+03						7.3E-01	7.3E+01
Chlorothalonil		5.5E+02	1.9E+03				1.2E+03	5.3E+03			8.3E-02	8.3E+00	3.7E-01	3.7E+01
Chlorotoluene, o- (2-chlorotoluene)						8.3E-01	1.6E+03	7.1E+03					4.9E-01	4.9E+01
Chlorotoluene, p- (4-chlorotoluene)							1.6E+03						4.9E-01	4.9E+01
Chlorpyrifos							2.5E+02	1.1E+03		4.7E+01			7.3E-02	7.3E+00
Chromium (III)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04				
Chromium (total)						1.5E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04				
Chromium (VI)	2.0E-06					1.0E-04	2.5E+02	2.7E+02	2.0E+01	4.7E+01				
Chrysene	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01		
Cobalt	2.7E-06					6.3E-06	2.5E+01	1.1E+03	2.0E+00	4.7E+00			7.3E-03	7.3E-01
Copolymer acrylamide							1.6E+01	7.1E+01					4.9E-03	4.9E-01
Copper							3.3E+03	1.4E+05	2.6E+02	6.3E+02				
Coronene							1.6E+02	7.1E+02		3.1E+01			4.9E-02	4.9E+00
Coumaphos							5.7E+02	2.5E+03		1.1E+02			1.7E-01	1.7E+01
Cresol							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Cresol, m- (3-methylphenol)							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Cresol, o- (2-methylphenol)							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Cresol, p- (4-methylphenol)							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Crotonaldehyde		3.2E+00					8.2E+01				4.8E-04	4.8E-02	2.4E-02	2.4E+00
Cumene (isopropylbenzene)						4.2E-01	8.2E+03						2.4E+00	2.4E+02
Cyanazine		7.2E+00	2.5E+01				1.6E+02	7.1E+02			1.1E-03	1.1E-01	4.9E-02	4.9E+00
Cyanide						8.3E-04	4.9E+01	2.1E+03						
Cyanogen						8.3E-04	8.2E+01						2.4E-02	2.4E+00
Cycloate							4.5E+03	2.0E+04					1.3E+00	1.3E+02
Cyclohexane						6.3E+00	4.1E+05						1.2E+02	1.2E+04
Cyclohexanol							4.1E+05	1.8E+06					1.2E+02	1.2E+04
Cyclohexanone						7.3E-01	4.1E+05						1.2E+02	1.2E+04
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)						3.4E-01	1.8E+03						5.4E-01	5.4E+01
Cyclohexene-1-methanol, 3-							1.6E+03						4.9E-01	4.9E+01
Cyclopentane						2.5E+01	4.9E+03						1.5E+00	1.5E+02
Cyclopentane, methyl-						1.0E+00	8.2E+03						2.4E+00	2.4E+02
Cyclopentene							4.1E+05						1.2E+02	1.2E+04
Cyclotetramethylenetetranitramine (HMX)							4.1E+03	2.7E+03					1.2E+00	1.2E+02
Cyclotrimethylenetrinitramine (RDX)		5.5E+01	1.9E+02				2.5E+02	1.1E+03			8.3E-03	8.3E-01	7.3E-02	7.3E+00
Cymene (isopropyltoluene)							8.2E+03						2.4E+00	2.4E+02
Cymoxanil							1.1E+03	4.6E+03					3.2E-01	3.2E+01
Dacthal (DCPA)							8.2E+02	3.6E+03		1.6E+02			2.4E-01	2.4E+01
Dalapon, sodium salt (2,2-dichloropropanoic acid)							2.5E+03	1.1E+04						
DDD		2.5E+01	2.9E+02		2.4E+00						3.8E-03	3.8E-01		
DDE		1.8E+01	2.0E+02		1.7E+00						2.7E-03	2.7E-01		
DDT	2.5E-04	1.8E+01	2.0E+02		1.7E+00		4.1E+01	5.9E+02		7.8E+00	2.7E-03	2.7E-01	1.2E-02	1.2E+00
Demeton							3.3E+00	1.4E+01					9.8E-04	9.8E-02
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)							3.3E+03	1.4E+04					9.8E-01	9.8E+01
Diallate		1.0E+02	3.4E+02		9.6E+00						1.5E-02	1.5E+00		
Diazinon						1.0E-04	7.4E+01	3.2E+02					2.2E-02	2.2E+00
Dibenz(a,h)acridine	2.2E-04	5.1E+00	1.7E+01		4.9E-01						7.6E-04	7.6E-02		
Dibenz(a,j)acridine	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01		
Dibenz-a,h-anthracene	2.8E-05	8.3E-01	2.2E+00		8.0E-02						2.0E-04	2.0E-02		

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Dibenzo(a,e)pyrene	2.8E-05	8.3E-01	2.8E+00		8.0E-02						1.3E-04	1.3E-02		
Dibenzo(a,h)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03		
Dibenzo(a,i)pyrene	2.8E-06	8.3E-02	2.8E-01		8.0E-03						1.3E-05	1.3E-03		
Dibenzofuran							3.3E+02	1.4E+03					9.8E-02	9.8E+00
Dibenzothiophene							2.5E+02	1.1E+03		4.7E+01			7.3E-02	7.3E+00
Dibromo-3-chloropropane, 1,2-	4.1E-06	7.6E+00	2.6E+01			2.1E-04	1.6E+01	7.1E+01						
Dibromochloromethane[4] (chlorodibromomethane)		7.2E+01					1.6E+03				1.1E-02	1.1E+00	4.9E-01	4.9E+01
Dibromofluoromethane							1.6E+04						4.9E+00	4.9E+02
Dicamba							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Dichlormid							2.0E+03	8.9E+03					6.1E-01	6.1E+01
Dichloro-2-butene, 1,4-	5.8E-06													
Dichloro-2-butene, 1,4- trans	5.8E-06													
Dichlorobenzene, 1,2-						3.1E-02	7.4E+03							
Dichlorobenzene, 1,3-						8.3E-03	2.5E+03						7.3E-01	7.3E+01
Dichlorobenzene, 1,4-		2.5E+02				1.1E-01								
Dichlorobenzidine, 3,3-		1.3E+01	4.6E+01								2.0E-03	2.0E-01		
Dichlorobutane, 2,3-						7.3E-03	8.2E+02						2.4E-01	2.4E+01
Dichlorodifluoromethane						1.0E-01	1.6E+04						4.9E+00	4.9E+02
Dichloroethane, 1,1-						2.5E+00	1.6E+04						4.9E+00	4.9E+02
Dichloroethane, 1,2-	9.4E-04	6.7E+01				7.3E-03	4.9E+02							
Dichloroethylene, 1,1-						3.5E-01	4.1E+03							
Dichloroethylene, cis-1,2-						6.3E-02	1.6E+02							
Dichloroethylene, trans-1,2						6.3E-02	1.6E+03							
Dichlorofluoromethane							1.6E+04						4.9E+00	4.9E+02
Dichlorophenol, 2,3-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichlorophenol, 2,4-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichlorophenol, 2,5-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichlorophenol, 2,6-							8.2E+01	3.6E+02					2.4E-02	2.4E+00
Dichlorophenol, 3,4-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichlorophenol, 3,5-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)							6.6E+02	2.8E+03					2.0E-01	2.0E+01
Dichlorophenoxyacetic acid, 2,4- (2,4-D)							8.2E+02	7.1E+03						
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)							8.2E+02	3.6E+03					2.4E-01	2.4E+01
Dichloropropane, 1,2-		8.9E+01				4.2E-03	7.4E+03							
Dichloropropane, 1,3-	6.1E-03	6.1E+01				2.1E-02	1.6E+03				9.1E-03	9.1E-01	4.9E-01	4.9E+01
Dichloropropane, 2,2-		8.9E+01				4.2E-03	7.4E+03				1.3E-02	1.3E+00	2.2E+00	2.2E+02
Dichloropropanol, 2,3-							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Dichloropropene, 1,1-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01	7.3E+01
Dichloropropene, 1,3- (mixed isomers)	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01	7.3E+01
Dichloropropene, cis 1,3-		1.1E+01				2.1E-02	8.2E+00				1.7E-03	1.7E-01	2.4E-03	2.4E-01
Dichloropropene, trans 1,3-	6.1E-03	6.1E+01				2.1E-02	2.5E+03				9.1E-03	9.1E-01	7.3E-01	7.3E+01
Dichlorvos		2.1E+01	7.2E+01			5.2E-04	4.1E+01	1.8E+02			3.1E-03	3.1E-01	1.2E-02	1.2E+00
Dicrotophos (bidrin)							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Dicyclopentadiene						7.3E-03	6.6E+02						2.0E-01	2.0E+01
Dieldrin	5.3E-06	3.8E-01	1.3E+00		3.7E-02		4.1E+00	1.8E+01		7.8E-01	5.7E-05	5.7E-03	1.2E-03	1.2E-01
Diethanolamine							4.1E+01	1.8E+02					1.2E-02	1.2E+00
Diethyl phthalate							6.6E+04	2.8E+05					2.0E+01	2.0E+03
Diethylene glycol							1.6E+05	7.1E+05					4.9E+01	4.9E+03
Diethylene glycol monobutyl ether						1.0E-04	2.5E+03	1.1E+04					7.3E-01	7.3E+01
Diethylhexyl adipate		5.1E+03	1.7E+04				4.9E+04	2.1E+05						
Diethylstilbestrol		1.3E-03	4.4E-03		1.2E-04						1.9E-07	1.9E-05		

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Diisobutylene (trimethyl-1-pentene, 2,4,4-)						2.1E-01	4.9E+03						1.5E+00	1.5E+02
Diisopropylbenzene, p-							8.2E+02						2.4E-01	2.4E+01
Diisopropyl ether (2,2'-oxybis-propane)						7.3E-01	8.2E+03						2.4E+00	2.4E+02
Dimethenamid							1.2E+03	5.3E+03					3.7E-01	3.7E+01
Dimethoate							1.6E+01	7.1E+01					4.9E-03	4.9E-01
Dimethoxybenzidine, 3,3'-		4.3E+02	1.5E+03								6.5E-02	6.5E+00		
Dimethylphenethylamine, alpha, alpha-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Dimethyl phenol, 2,4-							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Dimethylaminoazobenzene, p-							8.2E-01	3.6E+00		1.6E-01			2.4E-04	2.4E-02
Dimethylbenz-a-anthracene, 7,12-	1.0E-06	2.4E-02	6.4E-02		2.3E-03						3.7E-06	3.7E-04		
Dimethylbenzidine, 3,3'-		5.5E-01	1.9E+00								8.3E-05	8.3E-03		
Dimethylnaphthalene, 1,3-							3.3E+03	1.1E+04		6.3E+02			9.8E-01	9.8E+01
Dimethylphthalate							6.6E+04	2.8E+05					2.0E+01	2.0E+03
Di-n-butyl phthalate							8.2E+03	3.6E+04		1.6E+03			2.4E+00	2.4E+02
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Dinitrobenzene, 1,4-							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Dinitrophenol, 2,4-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Dinitrophenol, 2,5-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Dinitrotoluene, 2,4-		8.9E+00	3.1E+01				1.6E+02	7.1E+02			1.3E-03	1.3E-01	4.9E-02	4.9E+00
Dinitrotoluene, 2,6-		8.9E+00	3.1E+01				8.2E+01	3.6E+02			1.3E-03	1.3E-01	2.4E-02	2.4E+00
Di-n-octyl phthalate							3.3E+03	1.4E+04		6.3E+02			9.8E-01	9.8E+01
Dinoseb							8.2E+01	3.6E+02						
Dioxane 1,4-		6.1E+01				3.8E+00	2.5E+03				9.1E-03	9.1E-01	7.3E-01	7.3E+01
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)							1.0E-03							
Diphenyl ether							5.1E+02	2.2E+03		9.7E+01			1.5E-01	1.5E+01
Diphenylamine							2.0E+03	8.9E+03					6.1E-01	6.1E+01
Diphenylhydrazine, 1,2-	1.1E-04	7.6E+00	2.6E+01								1.1E-03	1.1E-01		
Dipropylene glycol							9.8E+03	4.3E+04					2.9E+00	2.9E+02
Diquat							1.8E+02	7.8E+02						
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03					2.4E-01	2.4E+01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)							8.2E+02	3.6E+03					2.4E-01	2.4E+01
Disulfoton							3.3E+00	1.4E+01					9.8E-04	9.8E-02
Diuron							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02			1.2E+00	1.2E+02
Dodecylphenol, 4-							4.1E+03	1.8E+04		7.8E+02			1.2E+00	1.2E+02
Endosulfan							4.9E+02	2.1E+03					1.5E-01	1.5E+01
Endosulfan I							1.6E+02	7.1E+02		3.1E+01			4.9E-02	4.9E+00
Endosulfan II							4.9E+02	2.1E+03		9.4E+01			1.5E-01	1.5E+01
Endosulfan sulfate							4.9E+02	2.1E+03		9.4E+01			1.5E-01	1.5E+01
Endothall							1.6E+03	7.1E+03						
Endrin							2.5E+01	1.1E+02		4.7E+00				
Endrin aldehyde							2.5E+01	1.1E+02		4.7E+00			7.3E-03	7.3E-01
Endrin ketone							2.5E+01	1.1E+02		4.7E+00			7.3E-03	7.3E-01
Epichlorohydrin	2.0E-02	6.1E+02				1.0E-03	4.9E+02				9.2E-02	9.2E+00	1.5E-01	1.5E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)							8.2E-01	3.6E+00					2.4E-04	2.4E-02
Esfenvalerate							1.6E+02	7.1E+02		3.1E+01			4.9E-02	4.9E+00
Ethalfluralin (sonolan)		6.8E+01	2.3E+02		6.6E+00		3.3E+03	1.4E+04		6.3E+02	1.0E-02	1.0E+00	9.8E-01	9.8E+01
Ethanol							2.7E+06						8.1E+02	8.1E+04
Ethanol, 2-amino-							1.4E+02						4.2E-02	4.2E+00
Ethanol, 2-(2-aminoethoxy)-							4.1E+01						1.2E-02	1.2E+00

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Ethanol, 2-(2-ethoxyethoxy)-							1.6E+05						4.9E+01	4.9E+03
Ethanol, 2-(methylamino)-						4.8E-02	1.3E+03						3.9E-01	3.9E+01
Ethion							4.1E+01	1.8E+02		7.8E+00			1.2E-02	1.2E+00
Ethoprop		2.2E+02	7.4E+02				8.2E+00	3.6E+01			3.2E-02	3.2E+00	2.4E-03	2.4E-01
Ethoxy ethanol, 2-						2.1E-01	3.3E+04						9.8E+00	9.8E+02
Ethyl acetate							7.4E+04						2.2E+01	2.2E+03
Ethyl acrylate		1.3E+02									1.9E-02	1.9E+00		
Ethyl benzene						2.0E+00	8.2E+03							
Ethyl dipropylthiocarbamate, S-							2.0E+03	8.9E+03					6.1E-01	6.1E+01
Ethyl ether							1.6E+04						4.9E+00	4.9E+02
Ethyl methacrylate						3.1E-01	7.4E+03						2.2E+00	2.2E+02
Ethyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01		
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)						3.1E-01	8.2E+01						2.4E-02	2.4E+00
Ethyl-1-hexanol, 2-							1.2E+04	5.3E+04					3.7E+00	3.7E+02
Ethyl-2-hexenal, 2-							1.2E+04						3.7E+00	3.7E+02
Ethyl-2-methyl benzene, 1-						4.2E-01	4.1E+03						1.2E+00	1.2E+02
Ethyl-4-methyl benzene, 1-						4.2E-01	4.1E+03						1.2E+00	1.2E+02
Ethylene*														
Ethylene dibromide (dibromoethane, 1,2-)	4.1E-05	3.0E+00				9.4E-03	7.4E+02							
Ethylene glycol							1.6E+05	7.1E+05					4.9E+01	4.9E+03
Ethylene oxide	2.4E-04	6.0E+00									8.9E-04	8.9E-02		
Ethylene thiourea		5.5E+01	1.9E+02				6.6E+00	2.8E+01			8.3E-03	8.3E-01	2.0E-03	2.0E-01
Ethylenediamine							7.4E+03						2.2E+00	2.2E+02
Ethylenimine	1.3E-06	9.3E-02									1.4E-05	1.4E-03		
Ethylhexyl acrylate, 2-		1.3E+02	4.3E+02								1.9E-02	1.9E+00		
Famphur							2.5E+00	1.1E+01					7.3E-04	7.3E-02
Fensulfothion							8.2E+01	3.6E+02					2.4E-02	2.4E+00
Fenthion							5.7E+00	2.5E+01					1.7E-03	1.7E-01
Fluoranthene							3.3E+03	1.1E+04		6.3E+02			9.8E-01	9.8E+01
Fluorene							3.3E+03	1.1E+04		6.3E+02			9.8E-01	9.8E+01
Fluorine (soluble fluoride)						2.8E-02	4.9E+03	2.1E+05						
Fluorochloridone							6.1E+02	2.7E+03					1.8E-01	1.8E+01
Fonofos							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Formaldehyde						1.1E-02	1.6E+04						4.9E+00	4.9E+02
Formic acid						3.1E-03	7.4E+04						2.2E+01	2.2E+03
Furan							8.2E+01						2.4E-02	2.4E+00
Furfural							2.5E+02						7.3E-02	7.3E+00
Glycidylaldehyde						1.0E-03	3.3E+01						9.8E-03	9.8E-01
Glyphosate							8.2E+03	3.6E+04						
Heptachlor	1.9E-05	1.3E+00	4.6E+00		1.3E-01		4.1E+01	1.8E+02		7.8E+00				
Heptachlor epoxide	9.4E-06	6.7E-01	2.3E+00		6.4E-02		1.1E+00	4.6E+00		2.0E-01				
Heptane, n-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Heptanoic acid, n-						1.0E-03	4.1E+04	1.8E+05					1.2E+01	1.2E+03
Hexachlorobenzene	5.3E-05	3.8E+00	1.3E+01		3.7E-01		6.6E+01	2.8E+02		1.3E+01				
Hexachlorobutadiene	1.1E-03	7.8E+01	2.7E+02				8.2E+01	3.6E+02			1.2E-02	1.2E+00	2.4E-02	2.4E+00
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-05	9.6E-01	8.2E+00		9.3E-02		6.6E+02	7.1E+03		1.3E+02	1.4E-04	1.4E-02	2.0E-01	2.0E+01
Hexachlorocyclohexane, beta (beta-BHC)	4.6E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02		
Hexachlorocyclohexane, delta (delta-BHC)	4.8E-05	3.4E+00	2.9E+01				2.5E+01	2.7E+02			5.1E-04	5.1E-02	7.3E-03	7.3E-01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)		4.7E+00	4.0E+01		4.5E-01		2.5E+01	2.7E+02		4.7E+00				
Hexachlorocyclohexane, techn (technical-BHC)	4.8E-05	3.4E+00	2.9E+01		3.2E-01						5.1E-04	5.1E-02		
Hexachlorocyclopentadiene						2.1E-04	4.9E+02	2.1E+03						

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Hexachloroethane		1.5E+02	5.2E+02			3.1E-02	5.7E+01	2.5E+02			2.3E-02	2.3E+00	1.7E-02	1.7E+00
Hexachlorophene							2.5E+01	1.1E+02		4.7E+00			7.3E-03	7.3E-01
Hexachloropropylene	6.1E-03	4.3E+02	1.5E+03				8.2E+01	3.6E+02			6.5E-02	6.5E+00	2.4E-02	2.4E+00
Hexanal, 2-ethyl-							1.2E+04	5.3E+04					3.7E+00	3.7E+02
Hexane, n-						7.0E-01	4.9E+03						1.5E+00	1.5E+02
Hexanediamine, 1,6-							4.1E+02						1.2E-01	1.2E+01
Hexanedinitrile						6.3E-03	1.1E+02						3.4E-02	3.4E+00
Hexanediol, 1,6-						1.9E+01	4.1E+05	1.8E+06					1.2E+02	1.2E+04
Hexanoic acid						1.0E-03	5.2E+03	2.3E+04					1.6E+00	1.6E+02
Hexanone, 2-						3.1E-02	4.1E+02						1.2E-01	1.2E+01
Hexazinone							2.7E+03	1.2E+04					8.1E-01	8.1E+01
Hexene, 1-						1.1E-01	2.7E+04						8.1E+00	8.1E+02
Hexene, cis-2-						1.1E-01	2.7E+04						8.1E+00	8.1E+02
Hexylene glycol (2-methyl-2,4-pentanediol)							2.5E+04	1.1E+05					7.3E+00	7.3E+02
Hydrazine	5.0E-06	2.0E+00				3.1E-05					3.0E-04	3.0E-02		
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)						1.0E-03	5.2E+03	2.3E+04					1.6E+00	1.6E+02
Hydrogen chloride (hydrochloric acid)*														
Hydroquinone		1.0E+02	3.5E+02				3.3E+03	1.4E+04			1.5E-02	1.5E+00	9.8E-01	9.8E+01
Indene						3.1E-03	1.6E+03						4.9E-01	4.9E+01
Indeno-1,2,3-cd-pyrene	2.8E-04	8.3E+00	2.2E+01		8.0E-01						1.3E-03	1.3E-01		
Iron*														
Isoamyl alcohol							4.1E+02						1.2E-01	1.2E+01
Isobutyl alcohol							2.5E+04						7.3E+00	7.3E+02
Isobutylene (2-methyl-1-propene)						1.1E+02								
Isobutyric acid (2-methylpropanoic acid)							4.1E+04	1.8E+05					1.2E+01	1.2E+03
Isodecanol							1.3E+02	5.7E+02		2.5E+01			3.9E-02	3.9E+00
Isodrin	5.0E-07	3.6E-02	1.2E-01				2.5E-01	1.1E+00			5.4E-06	5.4E-04	7.3E-05	7.3E-03
Isopentane						2.5E+01	4.9E+03						1.5E+00	1.5E+02
Isophorone		6.4E+03	2.2E+04				1.6E+04	7.1E+04			9.6E-01	9.6E+01	4.9E+00	4.9E+02
Isopropyl acetate							5.7E+03						1.7E+00	1.7E+02
Isopropyl alcohol							1.6E+04						4.9E+00	4.9E+02
Isosafrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01		
Kelthane (dicofol)							4.9E+02	2.1E+03		9.4E+01			1.5E-01	1.5E+01
Kepone (chlordecone)	5.3E-06	6.1E-01	2.1E+00		5.8E-02		2.5E+01	1.1E+02		4.7E+00	9.1E-05	9.1E-03	7.3E-03	7.3E-01
Lead (inorganic)							5.0E+02							
Leptophos						1.9E-06	4.1E-01			7.8E-02			1.2E-04	1.2E-02
Limonene, d-*														
Lithium							1.6E+02	7.1E+03	1.3E+01	3.1E+01			4.9E-02	4.9E+00
Magnesium*														
Malathion						2.1E-04	1.6E+03	7.1E+03					4.9E-01	4.9E+01
Maleic anhydride							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Maleic hydrazide							4.1E+04	1.8E+05					1.2E+01	1.2E+03
Malononitrile							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Mancozeb							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Manganese						5.2E-05	1.1E+04	3.0E+04	9.1E+02	2.2E+03			1.1E+00	1.1E+02
MCPA (4-(chloro-2-methylphenoxy) acetic acid)							4.1E+01	1.8E+02					1.2E-02	1.2E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02	2.4E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02	2.4E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)							8.2E+01	3.6E+02					2.4E-02	2.4E+00
Mercuric chloride (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00					
Mercuric chloride (pH = 6.8)						3.1E-04	2.5E+01	7.5E+01	2.0E+00					

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Mercury (pH = 4.9)						3.1E-04	2.5E+01	7.5E+01	2.0E+00					
Merphos							2.5E+00	1.1E+01					7.3E-04	7.3E-02
Methacrylic acid (2-methyl-2-propenoic acid)							8.2E+02						2.4E-01	2.4E+01
Methacrylonitrile							8.2E+00						2.4E-03	2.4E-01
Methanol							4.1E+04						1.2E+01	1.2E+03
Methapyrilene		1.3E+00	4.4E+00								1.9E-04	1.9E-02		
Methomyl							2.0E+03	8.9E+03					6.1E-01	6.1E+01
Methoxychlor							4.1E+02	1.8E+03		7.8E+01				
Methoxyethanol, 2-						2.1E-02	4.1E+02						1.2E-01	1.2E+01
Methyl acetate (acetic acid, methyl ester)							8.2E+04						2.4E+01	2.4E+03
Methyl acrylate							1.6E+02						4.9E-02	4.9E+00
Methyl amyl ketone (2-heptanone)						2.9E+00	4.1E+03						1.2E+00	1.2E+02
Methyl chrysene, 1-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01		
Methyl chrysene, 2-	2.8E-02	8.3E+02	2.2E+03		8.0E+01						1.3E-01	1.3E+01		
Methyl chrysene, 6-	2.8E-03	8.3E+01	2.2E+02		8.0E+00						1.3E-02	1.3E+00		
Methyl cyclohexane						3.1E+00	4.1E+05						1.2E+02	1.2E+04
Methyl ethyl ketone (2-butanone)						9.2E+00	4.9E+04						1.5E+01	1.5E+03
Methyl iodide (iodomethane)							1.1E+02						3.4E-02	3.4E+00
Methyl isobutyl ketone (4-methyl-2-pentanone)						3.1E+00	6.6E+03						2.0E+00	2.0E+02
Methyl mercury							8.2E+00	3.6E+02					2.4E-03	2.4E-01
Methyl methacrylate						7.3E-01	1.1E+05						3.4E+01	3.4E+03
Methyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02								9.2E-03	9.2E-01		
Methyl parathion							2.0E+01	8.9E+01					6.1E-03	6.1E-01
Methyl-1-butene, 2-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Methyl-1-propanal, 2- (isobutyraldehyde)							3.3E+03						9.8E-01	9.8E+01
Methyl-2-butene, 2-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Methyl-2-pentenal, 2-		3.2E+00									4.8E-04	4.8E-02		
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)		6.7E+02	2.3E+03								1.0E-01	1.0E+01		
Methylcholanthrene, 3-	1.2E-05	2.8E-01	7.3E-01		2.7E-02						4.1E-05	4.1E-03		
Methylene bromide (dibromomethane)		8.1E+02				4.2E-03	4.9E+03				1.2E-01	1.2E+01	1.5E+00	1.5E+02
Methylene chloride (dichloromethane)	8.7E-01	3.0E+03				1.4E+00	4.9E+02							
Methylene-bis (2-chloroaniline) 4,4'-	6.6E-04	6.1E+01	2.1E+02				1.6E+02	7.1E+02			9.1E-03	9.1E-01	4.9E-02	4.9E+00
Methylmecury hydroxide							8.2E+00	3.6E+01					2.4E-03	2.4E-01
Methylnaphthalene, 1-		2.1E+02	5.5E+02				5.7E+03	1.9E+04			3.1E-02	3.1E+00	1.7E+00	1.7E+02
Methylnaphthalene, 2-							3.3E+02	1.1E+03					9.8E-02	9.8E+00
Methylpyrrolidone, N-							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Methylsytrene, alpha-						2.6E-02	6.8E+02						2.0E-01	2.0E+01
Methyltetrahydrofuran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00	4.9E+02
Methyltetrahydropyran, 2-	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00	4.9E+02
Metolachlor							1.2E+04	5.3E+04					3.7E+00	3.7E+02
Metribuzin							2.0E+03	8.9E+03					6.1E-01	6.1E+01
Mirex							1.6E+01	7.1E+01					4.9E-03	4.9E-01
Molinate							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Molybdenum							4.1E+02	6.8E+03	3.3E+01	7.8E+01			1.2E-01	1.2E+01
Monocrotophos							4.9E+01	2.1E+02					1.5E-02	1.5E+00
Morpholine							4.1E+07						1.2E+04	1.2E+06
Morpholine, N-butyl-							1.9E+02						5.6E-02	5.6E+00
MTBE[5] (methyl tert-butyl ether)	9.4E-02	3.4E+03				3.1E+00	8.2E+02				5.1E-01	5.1E+01	2.4E-01	2.4E+01
Naled							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Naphthalene						3.1E-03	1.6E+03	5.5E+03					4.9E-01	4.9E+01
Naphthoquinone, 1,4-							5.7E+02	2.5E+03					1.7E-01	1.7E+01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Naphthylamine, 1-							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Naphthylamine, 2-		3.4E+00	1.2E+01								5.1E-04	5.1E-02		
Napropamide							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Neopentyl glycol							2.5E+04	1.1E+05					7.3E+00	7.3E+02
Nickel and compounds	1.4E-04					2.4E-04	1.6E+03	2.8E+03	1.3E+02	3.1E+02			4.9E-01	4.9E+01
Nitrate							1.3E+05	5.7E+06						
Nitrite							8.2E+03	3.6E+05						
Nitroaniline, 2-						2.1E-04	2.5E+01	1.1E+02					7.3E-03	7.3E-01
Nitroaniline, 3-		1.6E+02	5.5E+02			2.1E-04	2.5E+01	1.1E+02			2.4E-02	2.4E+00	7.3E-03	7.3E-01
Nitroaniline, 4-		3.0E+02	1.0E+03			6.3E-03	3.3E+02	1.4E+03			4.6E-02	4.6E+00	9.8E-02	9.8E+00
Nitrobenzene	6.1E-04					9.4E-03	1.6E+02	7.1E+02					4.9E-02	4.9E+00
Nitroglycerin		3.6E+02	1.2E+03				8.2E+00	3.6E+01			5.4E-02	5.4E+00	2.4E-03	2.4E-01
Nitrophenol, 2-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Nitrophenol, 3-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Nitrophenol, 4-							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Nitropropane, 2-	9.0E-06					2.1E-02	1.1E+01						3.4E-03	3.4E-01
Nitroquinoline-N-oxide, 4-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03		
Nitrosodiethanolamine		2.2E+00	7.4E+00								3.3E-04	3.3E-02		
Nitrosodiethylamine, n-	5.7E-07	4.0E-02									6.1E-06	6.1E-04		
Nitrosodimethylamine, n-	1.7E-06	1.2E-01				4.2E-05	6.6E-01				1.8E-05	1.8E-03	2.0E-04	2.0E-02
Nitrosodi-n-butylamine, n-	1.5E-05	1.1E+00	3.8E+00								1.7E-04	1.7E-02		
Nitrosodi-n-propylamine, n-		8.7E-01	7.4E-01								1.3E-04	1.3E-02		
Nitrosodiphenylamine		1.2E+03	1.1E+03								1.9E-01	1.9E+01		
Nitroso-methyl-ethyl-amine, n-		2.8E-01									4.1E-05	4.1E-03		
Nitrosomorpholine, N-	1.3E-05	9.1E-01	3.1E+00								1.4E-04	1.4E-02		
Nitroso-n-ethylurea, n-		4.3E-02	1.5E-01								6.5E-06	6.5E-04		
Nitrosopiperidine, N-	9.0E-06	6.5E-01	2.2E+00								9.7E-05	9.7E-03		
Nitrosopyrrolidine, n-	4.0E-05	2.9E+00	9.9E+00								4.3E-04	4.3E-02		
Nitrotoluene, m-							8.2E+02	3.6E+03					2.4E-01	2.4E+01
Nitrotoluene, o-		2.8E+01	9.4E+01				7.4E+01	3.2E+02			4.1E-03	4.1E-01	2.2E-02	2.2E+00
Nitrotoluene, p-		3.8E+02	1.3E+03				3.3E+02	1.4E+03			5.7E-02	5.7E+00	9.8E-02	9.8E+00
Nonachlor, cis-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00
Nonachlor, trans-	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00
Nonanal							1.6E+04	7.1E+04					4.9E+00	4.9E+02
Nonene, 1-n							8.2E+03						2.4E+00	2.4E+02
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00	2.4E+02
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00	2.4E+02
Nonylphenol							8.2E+03	3.6E+04		1.6E+03			2.4E+00	2.4E+02
Nonylphenol ethoxylate							8.2E+03			1.6E+03			2.4E+00	2.4E+02
Octamethylpyrophosphoramide							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Octanone						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Oxamyl							2.0E+03	8.9E+03						
Oxychlordane	2.4E-04	1.7E+01	5.9E+01		1.7E+00	7.3E-04	4.1E+01	1.8E+02		7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00
Paraquat							3.7E+02	1.6E+03					1.1E-01	1.1E+01
Parathion (ethyl parathion)							4.9E+02	2.1E+03					1.5E-01	1.5E+01
Pebulate							4.1E+03	1.8E+04					1.2E+00	1.2E+02
Pendimethalin							3.3E+03	1.4E+04		6.3E+02			9.8E-01	9.8E+01
Pentachlorobenzene							6.6E+01	2.8E+02					2.0E-02	2.0E+00
Pentachloroethane	3.3E-03	6.7E+01					2.5E+03				1.0E-02	1.0E+00	7.3E-01	7.3E+01
Pentachloronitrobenzene		2.3E+01	8.0E+01		2.2E+00		2.5E+02	1.1E+03		4.7E+01	3.5E-03	3.5E-01	7.3E-02	7.3E+00
Pentachlorophenol		1.5E+01	2.1E+01		1.5E+00		4.1E+02	7.1E+02		7.8E+01				

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Pentadiene, 1,3-cis-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Pentadiene, 1,3-trans-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Pentaerythritol tetranitrate (PETN)							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Pentane						2.5E+01	5.7E+04						1.7E+01	1.7E+03
Pentane, 2-methyl-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Pentane, 3-methyl-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Pentanediol, 1,5-						1.9E+01	4.1E+05	1.8E+06					1.2E+02	1.2E+04
Pentanol, 1-							2.7E+03						8.1E-01	8.1E+01
Pentanol, 4-methyl-2-							2.1E+03						6.4E-01	6.4E+01
Pentanone, 2-							3.3E+03						9.8E-01	9.8E+01
Pentene, 2-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Pentyne, 1-						1.9E+01	4.9E+03						1.5E+00	1.5E+02
Perchlorate							5.7E+01	5.0E+02					1.7E-02	1.7E+00
Perylene							1.6E+03	7.1E+03		3.1E+02			4.9E-01	4.9E+01
Phenacetin	3.9E-02	2.8E+03	9.4E+03								4.1E-01	4.1E+01		
Phenanthrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01	7.3E+01
Phenanthridine							2.5E+02	1.1E+03					7.3E-02	7.3E+00
Phenol							2.5E+04	1.1E+05					7.3E+00	7.3E+02
Phenol, 4-tert-butyl-							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Phenothiazine							4.1E+01	1.8E+02		7.8E+00			1.2E-02	1.2E+00
Phenyl mercuric acetate							6.6E+00	2.8E+01					2.0E-03	2.0E-01
Phenylene diamine, m-							4.9E+02	2.1E+03					1.5E-01	1.5E+01
Phenylene diamine, p-							1.6E+04	6.8E+04					4.6E+00	4.6E+02
Phorate							1.6E+01	7.1E+01					4.9E-03	4.9E-01
Phosalone							1.6E+02	7.1E+02					4.9E-02	4.9E+00
Phosdrin (mevinphos)							2.0E+00	8.9E+00					6.1E-04	6.1E-02
Phosmet							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Phosphine						3.1E-04	2.5E+01	2.1E+02					7.3E-03	7.3E-01
Phosphorotrithioic acid, S,S,S-tributyl ester		7.2E+01			7.0E+00		8.2E+01			1.6E+01	1.1E-02	1.1E+00	2.4E-02	2.4E+00
Phosphorus, total*														
Phosphorus, white							1.6E+00	1.4E+01					4.9E-04	4.9E-02
Phthalic anhydride						1.3E-01	1.6E+05	7.1E+05					4.9E+01	4.9E+03
Picloram							5.7E+03	2.5E+04						
Picoline, 2- (2-methylpyridine)							7.4E+02						2.2E-01	2.2E+01
Polybrominated biphenyls (PBBs)		6.8E-01	2.3E+00		6.6E-02		5.7E-01	2.5E+00		1.1E-01	1.0E-04	1.0E-02	1.7E-04	1.7E-02
Polychlorinated biphenyls (PCBs)	4.3E-05	3.0E+00	7.4E+00		2.9E-01		1.6E+00	5.1E+00		3.1E-01				
Potassium*														
Primene							4.9E+02	2.1E+03		9.4E+01			1.5E-01	1.5E+01
Prometon (pramitol)							1.2E+03	5.3E+03					3.7E-01	3.7E+01
Pronamide							6.1E+03	2.7E+04					1.8E+00	1.8E+02
Propanal (propionaldehyde)						8.3E-03	6.6E+02						2.0E-01	2.0E+01
Propane, 1-bromo-							2.9E+03						8.8E-01	8.8E+01
Propanil							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Propanoic acid (propionic acid)							4.1E+04						1.2E+01	1.2E+03
Propanol, 1-							1.6E+04						4.9E+00	4.9E+02
Propargite							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Propargyl alcohol							1.6E+02						4.9E-02	4.9E+00
Propazine		1.4E+02	4.7E+02				1.6E+03	7.1E+03			2.1E-02	2.1E+00	4.9E-01	4.9E+01
Propham							1.6E+03	7.1E+03					4.9E-01	4.9E+01
Propionitrile (propane nitrile)							3.3E+01						9.8E-03	9.8E-01
Propyl acetate, n-							7.4E+03						2.2E+00	2.2E+02

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Propylbenzene, n-						4.2E-01	3.3E+03						9.8E-01	9.8E+01
Propylene glycol						3.1E-03	1.6E+06	7.1E+06					4.9E+02	4.9E+04
Propylene glycol monomethyl ether						2.1E+00	5.7E+04						1.7E+01	1.7E+03
Propylene oxide	6.6E-03	2.5E+01				3.1E-02					3.8E-03	3.8E-01		
Propylene tetramer						1.0E+00	8.2E+03	3.6E+04					2.4E+00	2.4E+02
Prothiofos (Tokuthion)							8.2E+00	3.6E+01		1.6E+00			2.4E-03	2.4E-01
Pyrene							2.5E+03	8.2E+03		4.7E+02			7.3E-01	7.3E+01
Pyridine							8.2E+01						2.4E-02	2.4E+00
Quinoline		2.0E+00	6.9E+00								3.0E-04	3.0E-02		
Ronnel							4.1E+03	1.8E+04		7.8E+02			1.2E+00	1.2E+02
Safrole	3.9E-04	2.8E+01	9.4E+01								4.1E-03	4.1E-01		
Selenium							4.1E+02	1.8E+04	3.3E+01	7.8E+01				
Selenourea							4.1E+02						1.2E-01	1.2E+01
Silver							4.1E+02	7.1E+02	3.3E+01	7.8E+01			1.2E-01	1.2E+01
Simazine		5.1E+01	1.7E+02				4.1E+02	1.8E+03						
Sodium*														
Sodium diethyldithiocarbamate		2.2E+01					2.5E+03				3.4E-03	3.4E-01	7.3E-01	7.3E+01
Sodium hypochlorite						3.2E-04	1.7E+04	1.5E+05					5.1E+00	5.1E+02
Sodium polyacrylate						1.0E-03	4.1E+04						1.2E+01	1.2E+03
Strontium							4.9E+04	4.3E+05	3.9E+03	9.4E+03			1.5E+01	1.5E+03
Strychnine							2.5E+01	1.1E+02					7.3E-03	7.3E-01
Styrene						4.9E-01	1.6E+04							
Sulfate*														
Sulfide*														
Sulfolane						6.7E-03	1.1E+03	4.6E+03					3.2E-01	3.2E+01
Sulfur*														
Sulprofos (Bolstar)							2.5E+02	1.1E+03		4.7E+01			7.3E-02	7.3E+00
Tebuconazole							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Tebuthiuron							5.7E+03	2.5E+04					1.7E+00	1.7E+02
Terbufos							2.0E+00	8.9E+00					6.1E-04	6.1E-02
Tert-amyl ethyl ether (TAEE)							3.3E+03						9.8E-01	9.8E+01
Tert-amyl-methyl ether (TAME)							3.3E+03						9.8E-01	9.8E+01
Tert-butyl alcohol (2-methyl-2-propanol)							7.4E+03						2.2E+00	2.2E+02
Tetrachlorobenzene, 1,2,3,4-							2.5E+01	1.1E+02					7.3E-03	7.3E-01
Tetrachlorobenzene, 1,2,3,5-							2.5E+01	1.1E+02		4.7E+00			7.3E-03	7.3E-01
Tetrachlorobenzene, 1,2,4,5-							2.5E+01	1.1E+02					7.3E-03	7.3E-01
Tetrachloroethane, 1,1,1,2-	3.3E-03	2.3E+02					2.5E+03				3.5E-02	3.5E+00	7.3E-01	7.3E+01
Tetrachloroethane, 1,1,2,2-		3.0E+01					1.6E+03				4.6E-03	4.6E-01	4.9E-01	4.9E+01
Tetrachloroethylene	6.4E-02	2.9E+03				3.9E-01	4.9E+02							
Tetrachlorophenol, 2,3,4,5-							2.5E+03	1.1E+04		4.7E+02			7.3E-01	7.3E+01
Tetrachlorophenol, 2,3,4,6-							2.5E+03	1.1E+04		4.7E+02			7.3E-01	7.3E+01
Tetrachlorophenol, 2,3,5,6-							2.5E+03	1.1E+04		4.7E+02			7.3E-01	7.3E+01
Tetrachlorvinphos (Stirophos)							3.4E+03	1.5E+04		6.6E+02			1.0E+00	1.0E+02
Tetradifon							1.6E+03	7.1E+03		3.1E+02			4.9E-01	4.9E+01
Tetraethyl dithiopyrophosphate (sulfotep)							4.1E+01	1.8E+02					1.2E-02	1.2E+00
Tetraethyl lead							8.2E-03	3.6E-02					2.4E-06	2.4E-04
Tetraethyl pyrophosphate (TEPP)							9.0E-01	3.9E+00					2.7E-04	2.7E-02
Tetraethylene glycol							2.7E+04	1.2E+05					8.1E+00	8.1E+02
Tetrahydrofuran	1.3E-02	8.0E+02				2.1E+00	7.4E+04				1.2E-01	1.2E+01	2.2E+01	2.2E+03
Tetrahydropyran	1.3E-02	8.0E+02					1.6E+04				1.2E-01	1.2E+01	4.9E+00	4.9E+02
Tetraoxadodecane, 2,5,8,11-							2.0E+03						6.1E-01	6.1E+01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Thallium and compounds (as thallium chloride)							6.6E+00	2.8E+02	5.2E-01	1.3E+00				
Thiofanox							2.5E+01	1.1E+02					7.3E-03	7.3E-01
Thionazin							5.7E+00	2.5E+01					1.7E-03	1.7E-01
Thiophanate-methyl							6.6E+03	2.8E+04					2.0E+00	2.0E+02
Thiram							4.1E+02	1.8E+03					1.2E-01	1.2E+01
Tin							4.9E+04	2.1E+05	3.9E+03	9.4E+03			1.5E+01	1.5E+03
Titanium							4.1E+05	5.3E+05	3.3E+04	7.8E+04			1.2E+02	1.2E+04
Toluene						4.3E+00	6.6E+03							
Toluene diisocyanate, 2,4/2,6-						7.3E-05								
Toluenediamine, 2,4-		1.9E+00	6.5E+00								2.9E-04	2.9E-02		
Toluenediamine, 2,6-							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Toluidine, o-	4.8E-04	2.5E+01	8.7E+01								3.8E-03	3.8E-01		
Toluidine, p-		3.2E+01	1.1E+02								4.8E-03	4.8E-01		
Toxaphene	7.6E-05	5.5E+00	1.9E+01		5.3E-01									
TPH, TX1005, C6-C12						2.1E-01	3.3E+03						9.8E-01	9.8E+01
TPH, TX1005, >C12-C28						2.1E-01	3.3E+03	1.4E+04					9.8E-01	9.8E+01
TPH, TX1005, >C12-C35						2.1E-01	3.3E+03	1.4E+04					9.8E-01	9.8E+01
TPH, TX1005, >C28-C35						2.1E-01	3.3E+03	1.4E+04					9.8E-01	9.8E+01
TP Silvex, 2,4,5-							6.6E+02	2.8E+03						
Triademenol							2.5E+03	1.1E+04					7.3E-01	7.3E+01
Triallate							1.1E+03	4.6E+03		2.0E+02			3.2E-01	3.2E+01
Triaminotrinitrobenzene (TATB)		2.0E+02	6.9E+02				2.5E+02	1.1E+03			3.0E-02	3.0E+00	7.3E-02	7.3E+00
Tributyltin oxide							2.5E+01	1.1E+02		4.7E+00			7.3E-03	7.3E-01
Trichloro-1,2,2-trifluoroethane, 1,1,2-						3.1E+01	2.5E+06						7.3E+02	7.3E+04
Trichlorobenzene, 1,2,3-						2.1E-03	2.5E+02	1.1E+03					7.3E-02	7.3E+00
Trichlorobenzene, 1,2,4-		2.1E+02	7.2E+02			2.1E-03	8.2E+02	3.6E+03						
Trichlorobenzene, 1,3,5-						2.1E-03	2.5E+02	1.1E+03					7.3E-02	7.3E+00
Trichloroethane, 1,1,1-						5.3E+00	1.6E+05							
Trichloroethane, 1,1,2-	1.5E-03	1.1E+02					3.3E+02							
Trichloroethylene	5.9E-03	1.3E+02				2.1E-03	4.1E+01							
Trichlorofluoromethane							2.5E+04						7.3E+00	7.3E+02
Trichloronate							2.5E+02	1.1E+03		4.7E+01			7.3E-02	7.3E+00
Trichlorophenol, 2,3,4-							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Trichlorophenol, 2,3,5-							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Trichlorophenol, 2,3,6-							8.2E+03	3.6E+04		1.6E+03			2.4E+00	2.4E+02
Trichlorophenol, 2,4,5-							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Trichlorophenol, 2,4,6-	7.8E-03	5.5E+02	1.9E+03				8.2E+01	3.6E+02			8.3E-02	8.3E+00	2.4E-02	2.4E+00
Trichlorophenol, 3,4,5-							8.2E+03	3.6E+04					2.4E+00	2.4E+02
Trichlorophenoxyacetic acid, 2,4,5-							8.2E+02	3.6E+03					2.4E-01	2.4E+01
Trichloropropane, 1,1,2-						3.1E-04	4.1E+02						1.2E-01	1.2E+01
Trichloropropane, 1,2,3-		2.0E-01				3.1E-04	3.3E+02				3.0E-05	3.0E-03	9.8E-02	9.8E+00
Triethanolamine							1.6E+04	7.1E+04					4.9E+00	4.9E+02
Triethylamine						7.3E-03								
Triethylene glycol							2.5E+05	1.1E+06					7.3E+01	7.3E+03
Triethylphosphorothioate, O, O, O-							6.8E-01	3.0E+00					2.0E-04	2.0E-02
Trifluralin		7.9E+02	2.7E+03		7.6E+01		6.1E+02	2.7E+03		1.2E+02	1.2E-01	1.2E+01	1.8E-01	1.8E+01
Trimethylamine						7.3E-03								
Trimethylbenzene, 1,2,3-						6.3E-03	4.1E+03						1.2E+00	1.2E+02
Trimethylbenzene, 1,2,4-						7.3E-03	4.1E+03						1.2E+00	1.2E+02
Trimethylbenzene, 1,3,5-						6.3E-03	4.1E+03						1.2E+00	1.2E+02
Trinitrobenzene, 1,3,5-							2.5E+03	1.1E+04					7.3E-01	7.3E+01

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater			
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic	
	${}^{Air}RBEL_{Inh}$ (mg/m3)	${}^{Soil}RBEL_{Ing}$ (mg/kg)	${}^{Soil}RBEL_{Derm}$ (mg/kg)	${}^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	${}^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	${}^{Air}RBEL_{Inh}$ (mg/m3)	${}^{Soil}RBEL_{Ing}$ (mg/kg)	${}^{Soil}RBEL_{Derm}$ (mg/kg)	${}^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	${}^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	${}^{GW}RBEL_{Ing}$ [1] (mg/L)	${}^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	${}^{GW}RBEL_{Ing}$ [1] (mg/L)	${}^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Trinitrophenylmethylnitramine (tetryl; nitramine)							3.3E+02	1.4E+03					9.8E-02	9.8E+00
Trinitrotoluene, 2,4,6-		2.0E+02	6.9E+02				4.1E+01	1.8E+02			3.0E-02	3.0E+00	1.2E-02	1.2E+00
Uranium (soluble salts)						3.1E-04	2.5E+02	1.1E+04	2.0E+01	4.7E+01				
Valeric acid (pentanoic acid)						1.0E-03	4.1E+04	1.8E+05					1.2E+01	1.2E+03
Vanadium						3.1E-05	1.5E+02	1.7E+02	1.2E+01	2.8E+01			4.4E-02	4.4E+00
Vernam							8.2E+01	3.6E+02					2.4E-02	2.4E+00
Vinyl acetate						2.1E-01	8.2E+04						2.4E+01	2.4E+03
Vinyl chloride	2.9E-03	4.0E+00				6.3E-02	2.5E+02							
Vinylcyclohexane							4.1E+04						1.2E+01	1.2E+03
Warfarin							2.5E+01	1.1E+02					7.3E-03	7.3E-01
Xylene, m-						6.4E-01	1.6E+05							
Xylene, o-						6.4E-01	1.6E+05							
Xylene, p-						6.4E-01	1.6E+05							
Xylenes						6.4E-01	1.6E+04							
Zinc							2.5E+04	2.1E+05	2.0E+03	4.7E+03			7.3E+00	7.3E+02

Footnotes

[1] Based on primary MCLs when available

[2] 100 x ${}^{GW}GW_{Ing}$

[3] Values for ammonia and MTBE are based on taste and odor.

[4] The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5] Persons must use the value provided in the "Secondary MCL" column of this table as the ${}^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

[6] Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

NA = not applicable

All values capped at 1E+06

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Acenaphthylene					6.1E+04	9.4E+04			4.4E+00	4.4E+02
Acetaldehyde	1.9E-02			1.3E-02	1.0E+05				7.3E+00	7.3E+02
Acetate, 2-ethoxyethanol				8.8E-02	1.0E+05				7.3E+00	7.3E+02
Acetate, isoamyl					7.4E+04				5.3E+00	5.3E+02
Acetate, isobutyl					4.9E+04				3.5E+00	3.5E+02
Acetate, sec-butyl					4.9E+04				3.5E+00	3.5E+02
Acetic acid*										
Acetone (2-propanone)				4.5E+01	9.2E+05				6.6E+01	6.6E+03
Acetone cyanohydrin				8.8E-02	3.1E+03	6.1E+03			2.2E-01	2.2E+01
Acetonitrile				8.8E-02	3.3E+04				2.3E+00	2.3E+02
Acetophenone					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Acetylaminofluorene, 2-	3.1E-05	7.5E+00	1.5E+01				5.4E-04	5.4E-02		
Acifluorfen, sodium					1.3E+04	2.7E+04			9.5E-01	9.5E+01
Acridine					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Acrolein				7.3E-04	5.1E+02				3.7E-02	3.7E+00
Acrylamide	4.1E-04	5.7E+01	1.1E+02	8.8E-03	2.0E+03	4.1E+03	4.1E-03	4.1E-01	1.5E-01	1.5E+01
Acrylic acid				1.5E-03	5.1E+05				3.7E+01	3.7E+03
Acrylonitrile	6.0E-04	5.3E+01		2.9E-03	1.0E+03		3.8E-03	3.8E-01	7.3E-02	7.3E+00
Adipic acid (hexanedioic acid)					2.0E+06	4.1E+06			1.5E+02	1.5E+04
Alachlor		3.6E+02	7.2E+02		1.0E+04	2.0E+04				
Aldicarb					1.0E+03	2.0E+03				
Aldicarb sulfone					1.0E+03	2.0E+03				
Aldrin	8.3E-06	1.7E+00	3.4E+00		3.1E+01	6.1E+01	1.2E-04	1.2E-02	2.2E-03	2.2E-01
Allyl alcohol				1.5E-04	5.1E+03				3.7E-01	3.7E+01
Allyl chloride				1.5E-03	1.0E+04				7.3E-01	7.3E+01
Aluminum				7.3E-03	1.0E+06	2.0E+06			7.3E+01	7.3E+03
Ametryn					9.2E+03	1.8E+04			6.6E-01	6.6E+01
Amino-2,6-dinitrotoluene, 4-		2.9E+03	5.7E+03		1.7E+02	3.4E+02	2.0E-01	2.0E+01	1.2E-02	1.2E+00
Amino-4,6-dinitrotoluene, 2-		2.9E+03	5.7E+03		1.7E+02	3.4E+02	2.0E-01	2.0E+01	1.2E-02	1.2E+00
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)		4.7E+00	9.4E+00				3.4E-04	3.4E-02		
Aminopyridine, 4-					2.0E+01	4.1E+01			1.5E-03	1.5E-01
Ammonia				1.5E-01						
Ammonium polyphosphate*										
Ammonium salts*										
Aniline		5.0E+03	1.0E+04	1.5E-03	7.2E+03	1.4E+04	3.6E-01	3.6E+01	5.1E-01	5.1E+01
Anthracene					3.1E+05	4.7E+05			2.2E+01	2.2E+03
Anthraquinone, 9,10-		7.3E+02	1.5E+03		2.0E+04	4.1E+04	5.2E-02	5.2E+00	1.5E+00	1.5E+02
Antimony					4.1E+02	1.2E+03				
Aramite	5.8E-03	1.1E+03	2.3E+03		5.1E+04	1.0E+05	8.2E-02	8.2E+00	3.7E+00	3.7E+02
Arsenic	9.5E-06	2.4E+02	1.3E+03		3.9E+02	2.0E+03				
Arsine				7.3E-05						
Asbestos[6]	5.3E-06									
Atrazine		1.3E+02	2.6E+02		3.6E+04	7.2E+04				
Azinphos-methyl (guthion)					1.5E+03	3.1E+03			1.1E-01	1.1E+01
Azobenzene	1.3E-03	2.6E+02	5.2E+02				1.9E-02	1.9E+00		
Barium					2.0E+05	2.9E+05				
Bayleton					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Benefin (benfluralin)					3.1E+05	6.1E+05			2.2E+01	2.2E+03
Benomyl					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Benz-a-anthracene	4.6E-04	3.9E+01	6.0E+01				2.8E-03	2.8E-01		

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Benzaldehyde					1.0E+05				7.3E+00	7.3E+02
Benzene	1.9E-02	1.9E+03		4.1E-01	4.1E+03					
Benzenedicarbonitrile, 1,3-					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Benzenedicarboxylic acid, 1,2-disodecyl ester				7.3E-03	4.1E+04				2.9E+00	2.9E+02
Benzenethiol					1.0E+03				7.3E-02	7.3E+00
Benzidine	6.1E-07	1.2E-01	2.5E-01		3.1E+03	6.1E+03	8.9E-06	8.9E-04	2.2E-01	2.2E+01
Benzo-a-pyrene	4.6E-05	3.9E+00	6.0E+00							
Benzo-b-fluoranthene	4.6E-04	3.9E+01	6.0E+01				2.8E-03	2.8E-01		
Benzo-e-pyrene					3.1E+04	4.7E+04			2.2E+00	2.2E+02
Benzo-g,h,i-perylene					3.1E+04	4.7E+04			2.2E+00	2.2E+02
Benzoic acid					4.1E+06	8.2E+06			2.9E+02	2.9E+04
Benzo-j-fluoranthene	4.6E-04	3.9E+01	6.0E+01				2.8E-03	2.8E-01		
Benzo-k-fluoranthene	4.6E-03	3.9E+02	6.0E+02				2.8E-02	2.8E+00		
Benzophenone					6.8E+03	1.4E+04			4.9E-01	4.9E+01
Benzotrichloride		2.2E+00	4.4E+00				1.6E-04	1.6E-02		
Benzoyl peroxide					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Benzyl alcohol					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Benzyl chloride		1.7E+02		1.5E-03	2.0E+03		1.2E-02	1.2E+00	1.5E-01	1.5E+01
Benzyl dichloride		1.7E+02	3.4E+02	1.5E-03	2.0E+03	4.1E+03	1.2E-02	1.2E+00	1.5E-01	1.5E+01
Beryllium	1.7E-05			2.9E-05	2.0E+03	2.9E+02				
Biphenyl, 1,1-					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Biphenyl, 1,1'-, 2-phenoxy-					5.1E+04				3.7E+00	3.7E+02
Biquinoline, 2,2'-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Bis (2-chloroethoxy) methane	1.2E-04	2.6E+01	5.2E+01		3.1E+03	6.1E+03	1.9E-03	1.9E-01	2.2E-01	2.2E+01
Bis (2-chloroethyl) ether	1.2E-04	2.6E+01					1.9E-03	1.9E-01		
Bis (2-chloroisopropyl) ether	4.1E-03	4.1E+02	8.2E+02		4.1E+04	8.2E+04	2.9E-02	2.9E+00	2.9E+00	2.9E+02
Bis (2-chloromethyl) ether	6.6E-07	1.3E-01					9.3E-06	9.3E-04		
Bis (2-ethyl-hexyl) phthalate		2.0E+03	7.8E+02		2.0E+04	7.8E+03				
Bismuth					5.1E+05	2.0E+06			3.7E+01	3.7E+03
Bisphenol A					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Boron				2.9E-02	2.0E+05	4.1E+06			1.5E+01	1.5E+03
Bromacil					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Bromo-2-chloroethane, 1-					4.1E+04				2.9E+00	2.9E+02
Bromobenzene				8.8E-02	8.2E+03				5.8E-01	5.8E+01
Bromodichloromethane[4]		4.6E+02			2.0E+04		3.3E-02	3.3E+00	1.5E+00	1.5E+02
Bromoform[4]	3.7E-02	3.6E+03			2.0E+04		2.6E-01	2.6E+01	1.5E+00	1.5E+02
Bromomethane				7.3E-03	1.4E+03				1.0E-01	1.0E+01
Bromophenyl phenylether, 4-	1.2E-05	1.9E+00	3.8E+00				1.4E-04	1.4E-02		
Butadiene, 1,3-	8.2E-02			4.8E-02						
Butadiene, 2-methyl-1,3- (isoprene)				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Butanal (butyraldehyde)					6.1E+04				4.4E+00	4.4E+02
Butane, 2,3-dimethyl-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Butanoic acid (butyric acid)				1.5E-03	5.1E+05	1.0E+06			3.7E+01	3.7E+03
Butanol, 1-, 2-Me-					1.0E+04				7.3E-01	7.3E+01
Butanol, 2-				4.4E+01	2.0E+06				1.5E+02	1.5E+04
Butanol, 2-methyl-2-					1.0E+04				7.3E-01	7.3E+01
Butanol, n-					1.0E+05				7.3E+00	7.3E+02
Butene, 1-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Butene, cis-2-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Butene, trans-2-				2.6E+01	6.1E+04				4.4E+00	4.4E+02

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)				2.3E+00	1.0E+05	2.0E+05			7.3E+00	7.3E+02
Butyl acetate				9.1E-01	1.4E+05				1.0E+01	1.0E+03
Butyl acrylate					9.2E+03				6.6E-01	6.6E+01
Butyl benzyl phthalate		1.5E+04	3.0E+04		2.0E+05	4.1E+05	1.1E+00	1.1E+02	1.5E+01	1.5E+03
Butyl ether, n- (dibutyl ether)					1.0E+05				7.3E+00	7.3E+02
Butyl methacrylate					9.2E+04				6.6E+00	6.6E+02
Butylate					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Butylbenzene, n-					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Butylbenzene, sec-					4.1E+04				2.9E+00	2.9E+02
Butylbenzene, tert-					4.1E+04				2.9E+00	2.9E+02
Cacodylic acid					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Cadmium	2.3E-05				1.0E+03	5.1E+03				
Calcium*										
Caprolactam					5.1E+05	1.0E+06			3.7E+01	3.7E+03
Captan		8.2E+03	1.6E+04		1.3E+05	2.7E+05	5.8E-01	5.8E+01	9.5E+00	9.5E+02
Carbaryl					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Carbazole		1.4E+03	2.9E+03				1.0E-01	1.0E+01		
Carbofuran					5.1E+03	1.0E+04				
Carbon disulfide				1.0E+00	1.0E+05				7.3E+00	7.3E+02
Carbon tetrachloride	6.8E-03	4.1E+02		1.5E-01	4.1E+03					
Carbophenothion					1.3E+04	2.7E+04			9.5E-01	9.5E+01
Carbosulfan					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Carboxin					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Chloral					1.0E+05				7.3E+00	7.3E+02
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)					1.5E+04	3.1E+04			1.1E+00	1.1E+02
Chlordane (technical)	4.1E-04	8.2E+01	4.1E+02	1.0E-03	5.1E+02	2.6E+03				
Chlordane, cis- (alpha chlordane)	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00
Chlordane, gamma	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00
Chlorfenvinphos				2.9E-03	7.2E+02	1.4E+03			5.1E-02	5.1E+00
Chloride*										
Chlorine				2.2E-04	1.0E+05	4.1E+05				
Chloro-1,3-butadiene, 2-	1.4E-04			2.9E-02						
Chloro-2-propanol, 1-					2.0E+04				1.5E+00	1.5E+02
Chloro-3-methylphenol, 4-					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Chloroaniline, p-		1.4E+02	2.9E+02		4.1E+03	8.2E+03	1.0E-02	1.0E+00	2.9E-01	2.9E+01
Chlorobenzene				7.3E-02	2.0E+04					
Chlorobenzilate	5.2E-04	1.1E+02	2.1E+02		2.0E+04	4.1E+04	7.6E-03	7.6E-01	1.5E+00	1.5E+02
Chlorobromomethane (bromochloromethane)					4.1E+04				2.9E+00	2.9E+02
Chlorodifluoromethane				7.3E+01						
Chloroethane (ethyl chloride)				1.5E+01	4.1E+05				2.9E+01	2.9E+03
Chloroethanol, 2-					4.1E+05				2.9E+01	2.9E+03
Chloroethoxy ethene, 2- (2-chloroethylvinylether)		2.6E+01		4.4E-04	2.0E+03		1.9E-03	1.9E-01	1.5E-01	1.5E+01
Chloroform[4]	1.8E-03			1.4E-01	1.0E+04				7.3E-01	7.3E+01
Chlorohexane, 1-				1.5E+00	4.1E+04				2.9E+00	2.9E+02
Chloromethane (methyl chloride)	2.3E-02	2.2E+03		1.3E-01			1.6E-01	1.6E+01		
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)					8.2E+04	1.3E+05			5.8E+00	5.8E+02
Chloronaphthalene, 2- (chloronaphthalene, beta)					8.2E+04	1.3E+05			5.8E+00	5.8E+02
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)		4.5E+03	9.1E+03	8.8E-04	1.0E+03	2.0E+03	3.2E-01	3.2E+01	7.3E-02	7.3E+00
Chlorophenol, 2-					5.1E+03				3.7E-01	3.7E+01

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Chlorophenol, 3-					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Chlorophenol, 4-					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Chlorophenyl phenylether, 4-	1.2E-05	1.9E+00	3.8E+00				1.4E-04	1.4E-02		
Chloropropane, 2-				1.5E-01	3.1E+04				2.2E+00	2.2E+02
Chlorothalonil		2.6E+03	5.2E+03		1.5E+04	3.1E+04	1.9E-01	1.9E+01	1.1E+00	1.1E+02
Chlorotoluene, o- (2-chlorotoluene)				1.2E+00	2.0E+04	4.1E+04			1.5E+00	1.5E+02
Chlorotoluene, p- (4-chlorotoluene)					2.0E+04				1.5E+00	1.5E+02
Chlorpyrifos					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Chromium (III)				2.0E-04	1.5E+06	4.0E+05				
Chromium (total)				2.0E-04	1.5E+06	4.0E+05				
Chromium (VI)	3.4E-06			1.5E-04	3.1E+03	1.5E+03				
Chrysene	4.6E-02	3.9E+03	6.0E+03				2.8E-01	2.8E+01		
Cobalt	4.5E-06			8.8E-06	3.1E+02	6.1E+03			2.2E-02	2.2E+00
Copolymer acrylamide					2.0E+02	4.1E+02			1.5E-02	1.5E+00
Copper					4.1E+04	8.2E+05				
Coronene					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Coumaphos					7.2E+03	1.4E+04			5.1E-01	5.1E+01
Cresol					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Cresol, m- (3-methylphenol)					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Cresol, o- (2-methylphenol)					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Cresol, p- (4-methylphenol)					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Crotonaldehyde		1.5E+01			1.0E+03		1.1E-03	1.1E-01	7.3E-02	7.3E+00
Cumene (isopropylbenzene)				5.8E-01	1.0E+05				7.3E+00	7.3E+02
Cyanazine		3.4E+01	6.8E+01		2.0E+03	4.1E+03	2.4E-03	2.4E-01	1.5E-01	1.5E+01
Cyanide				1.2E-03	6.1E+02	1.2E+04				
Cyanogen				1.2E-03	1.0E+03				7.3E-02	7.3E+00
Cycloate					5.6E+04	1.1E+05			4.0E+00	4.0E+02
Cyclohexane				8.8E+00	5.1E+06				3.7E+02	3.7E+04
Cyclohexanol					5.1E+06	1.0E+07			3.7E+02	3.7E+04
Cyclohexanone				1.0E+00	5.1E+06				3.7E+02	3.7E+04
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)				4.8E-01	2.2E+04				1.6E+00	1.6E+02
Cyclohexene-1-methanol, 3-					2.0E+04				1.5E+00	1.5E+02
Cyclopentane				3.5E+01	6.1E+04				4.4E+00	4.4E+02
Cyclopentane, methyl-				1.5E+00	1.0E+05				7.3E+00	7.3E+02
Cyclopentene					5.1E+06				3.7E+02	3.7E+04
Cyclotetramethylenetetranitramine (HMX)					5.1E+04	1.5E+04			3.7E+00	3.7E+02
Cyclotrimethylenetrinitramine (RDX)		2.6E+02	5.2E+02		3.1E+03	6.1E+03	1.9E-02	1.9E+00	2.2E-01	2.2E+01
Cymene (isopropyltoluene)					1.0E+05				7.3E+00	7.3E+02
Cymoxanil					1.3E+04	2.7E+04			9.5E-01	9.5E+01
Dacthal (DCPA)					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Dalapon, sodium salt (2,2-dichloropropanoic acid)					3.1E+04	6.1E+04				
DDD		1.2E+02	7.9E+02				8.5E-03	8.5E-01		
DDE		8.4E+01	5.6E+02				6.0E-03	6.0E-01		
DDT	4.2E-04	8.4E+01	5.6E+02		5.1E+02	3.4E+03	6.0E-03	6.0E-01	3.7E-02	3.7E+00
Demeton					4.1E+01	8.2E+01			2.9E-03	2.9E-01
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)					4.1E+04	8.2E+04			2.9E+00	2.9E+02
Diallate		4.7E+02	9.4E+02				3.4E-02	3.4E+00		
Diazinon				1.5E-04	9.2E+02	1.8E+03			6.6E-02	6.6E+00
Dibenz(a,h)acridine	3.7E-04	2.4E+01	4.8E+01				1.7E-03	1.7E-01		
Dibenz(a,j)acridine	4.6E-04	3.9E+01	6.0E+01				2.8E-03	2.8E-01		

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Dibenz-a,h-anthracene	4.6E-05	3.9E+00	6.0E+00				2.8E-04	2.8E-02		
Dibenzo(a,e)pyrene	4.6E-05	3.9E+00	7.8E+00				2.8E-04	2.8E-02		
Dibenzo(a,h)pyrene	4.6E-06	3.9E-01	7.8E-01				2.8E-05	2.8E-03		
Dibenzo(a,i)pyrene	4.6E-06	3.9E-01	7.8E-01				2.8E-05	2.8E-03		
Dibenzofuran					4.1E+03	8.2E+03			2.9E-01	2.9E+01
Dibenzothiophene					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dibromo-3-chloropropane, 1,2-	6.8E-06	3.6E+01	7.2E+01	2.9E-04	2.0E+02	4.1E+02				
Dibromochloromethane[4] (chlorodibromomethane)		3.4E+02			2.0E+04		2.4E-02	2.4E+00	1.5E+00	1.5E+02
Dibromofluoromethane					2.0E+05				1.5E+01	1.5E+03
Dicamba					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Dichlormid					2.6E+04	5.1E+04			1.8E+00	1.8E+02
Dichloro-2-butene, 1,4-	9.7E-06									
Dichloro-2-butene, 1,4- trans	9.7E-06									
Dichlorobenzene, 1,2-				4.4E-02	9.2E+04					
Dichlorobenzene, 1,3-				1.2E-02	3.1E+04				2.2E+00	2.2E+02
Dichlorobenzene, 1,4-		1.2E+03		1.6E-01						
Dichlorobenzidine, 3,3-		6.4E+01	1.3E+02				4.5E-03	4.5E-01		
Dichlorobutane, 2,3-				1.0E-02	1.0E+04				7.3E-01	7.3E+01
Dichlorodifluoromethane				1.5E-01	2.0E+05				1.5E+01	1.5E+03
Dichloroethane, 1,1-				3.5E+00	2.0E+05				1.5E+01	1.5E+03
Dichloroethane, 1,2-	1.6E-03	3.1E+02		1.0E-02	6.1E+03					
Dichloroethylene, 1,1-				5.0E-01	5.1E+04					
Dichloroethylene, cis-1,2-				8.8E-02	2.0E+03					
Dichloroethylene, trans-1,2				8.8E-02	2.0E+04					
Dichlorofluoromethane					2.0E+05				1.5E+01	1.5E+03
Dichlorophenol, 2,3-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichlorophenol, 2,4-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichlorophenol, 2,5-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichlorophenol, 2,6-					1.0E+03	2.0E+03			7.3E-02	7.3E+00
Dichlorophenol, 3,4-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichlorophenol, 3,5-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)					8.2E+03	1.6E+04			5.8E-01	5.8E+01
Dichlorophenoxyacetic acid, 2,4- (2,4-D)					1.0E+04	4.1E+04				
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Dichloropropane, 1,2-		4.2E+02		5.8E-03	9.2E+04					
Dichloropropane, 1,3-	1.0E-02	2.9E+02		2.9E-02	2.0E+04		2.0E-02	2.0E+00	1.5E+00	1.5E+02
Dichloropropane, 2,2-		4.2E+02		5.8E-03	9.2E+04		3.0E-02	3.0E+00	6.6E+00	6.6E+02
Dichloropropanol, 2,3-					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Dichloropropene, 1,1-	1.0E-02	2.9E+02		2.9E-02	3.1E+04		2.0E-02	2.0E+00	2.2E+00	2.2E+02
Dichloropropene, 1,3- (mixed isomers)	1.0E-02	2.9E+02		2.9E-02	3.1E+04		2.0E-02	2.0E+00	2.2E+00	2.2E+02
Dichloropropene, cis 1,3-		5.3E+01		2.9E-02	1.0E+02		3.8E-03	3.8E-01	7.3E-03	7.3E-01
Dichloropropene, trans 1,3-	1.0E-02	2.9E+02		2.9E-02	3.1E+04		2.0E-02	2.0E+00	2.2E+00	2.2E+02
Dichlorvos		9.9E+01	2.0E+02	7.3E-04	5.1E+02	1.0E+03	7.0E-03	7.0E-01	3.7E-02	3.7E+00
Dicrotophos (bidrin)					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Dicyclopentadiene				1.0E-02	8.2E+03				5.8E-01	5.8E+01
Dieldrin	8.9E-06	1.8E+00	3.6E+00		5.1E+01	1.0E+02	1.3E-04	1.3E-02	3.7E-03	3.7E-01
Diethanolamine					5.1E+02	1.0E+03			3.7E-02	3.7E+00
Diethyl phthalate					8.2E+05	1.6E+06			5.8E+01	5.8E+03
Diethylene glycol					2.0E+06	4.1E+06			1.5E+02	1.5E+04
Diethylene glycol monobutyl ether				1.5E-04	3.1E+04	6.1E+04			2.2E+00	2.2E+02

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Diethylhexyl adipate		2.4E+04	4.8E+04		6.1E+05	1.2E+06				
Diethylstilbestrol		6.1E-03	1.2E-02				4.3E-07	4.3E-05		
Diisobutylene (trimethyl-1-pentene, 2,4,4-)				2.9E-01	6.1E+04				4.4E+00	4.4E+02
Diisopropylbenzene, p-					1.0E+04				7.3E-01	7.3E+01
Diisopropyl ether (2,2'-oxybis-propane)				1.0E+00	1.0E+05				7.3E+00	7.3E+02
Dimethenamid					1.5E+04	3.1E+04			1.1E+00	1.1E+02
Dimethoate					2.0E+02	4.1E+02			1.5E-02	1.5E+00
Dimethoxybenzidine, 3,3'-		2.0E+03	4.1E+03				1.5E-01	1.5E+01		
Dimethylphenethylamine, alpha, alpha-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Dimethyl phenol, 2,4-					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Dimethylaminoazobenzene, p-					1.0E+01	2.0E+01			7.3E-04	7.3E-02
Dimethylbenz-a-anthracene, 7,12-	1.7E-06	1.1E-01	1.8E-01				8.2E-06	8.2E-04		
Dimethylbenzidine, 3,3'-		2.6E+00	5.2E+00				1.9E-04	1.9E-02		
Dimethylnaphthalene, 1,3-					4.1E+04	6.3E+04			2.9E+00	2.9E+02
Dimethylphthalate					8.2E+05	1.6E+06			5.8E+01	5.8E+03
Di-n-butyl phthalate					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Dinitrobenzene, 1,4-					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Dinitrophenol, 2,4-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Dinitrophenol, 2,5-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Dinitrotoluene, 2,4-		4.2E+01	8.4E+01		2.0E+03	4.1E+03	3.0E-03	3.0E-01	1.5E-01	1.5E+01
Dinitrotoluene, 2,6-		4.2E+01	8.4E+01		1.0E+03	2.0E+03	3.0E-03	3.0E-01	7.3E-02	7.3E+00
Di-n-octyl phthalate					4.1E+04	8.2E+04			2.9E+00	2.9E+02
Dinoseb					1.0E+03	2.0E+03				
Dioxane 1,4-		2.9E+02		5.3E+00	3.1E+04		2.0E-02	2.0E+00	2.2E+00	2.2E+02
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)					5.0E-03					
Diphenyl ether					6.3E+03	1.3E+04			4.5E-01	4.5E+01
Diphenylamine					2.6E+04	5.1E+04			1.8E+00	1.8E+02
Diphenylhydrazine, 1,2-	1.9E-04	3.6E+01	7.2E+01				2.6E-03	2.6E-01		
Dipropylene glycol					1.2E+05	2.5E+05			8.8E+00	8.8E+02
Diquat					2.2E+03	4.5E+03				
Disodium iminodiacetate (iminodiacetic acid, disodium salt)					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Disulfoton					4.1E+01	8.2E+01			2.9E-03	2.9E-01
Diuron					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Dodecylphenol, 4-					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Dodecylphenol, 4-					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Endosulfan					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Endosulfan I					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Endosulfan II					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Endosulfan sulfate					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Endothall					2.0E+04	4.1E+04				
Endrin					3.1E+02	6.1E+02				
Endrin aldehyde					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Endrin ketone					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Epichlorohydrin	3.4E-02	2.9E+03		1.5E-03	6.1E+03		2.1E-01	2.1E+01	4.4E-01	4.4E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)					1.0E+01	2.0E+01			7.3E-04	7.3E-02
Esfenvalerate					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Ethalfluralin (sonolan)		3.2E+02	6.4E+02		4.1E+04	8.2E+04	2.3E-02	2.3E+00	2.9E+00	2.9E+02

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Ethanol					3.4E+07				2.4E+03	2.4E+05
Ethanol, 2-amino-					1.7E+03				1.2E-01	1.2E+01
Ethanol, 2-(2-aminoethoxy)-					5.1E+02				3.7E-02	3.7E+00
Ethanol, 2-(2-ethoxyethoxy)-					2.0E+06				1.5E+02	1.5E+04
Ethanol, 2-(methylamino)-				6.7E-02	1.6E+04				1.2E+00	1.2E+02
Ethion					5.1E+02	1.0E+03			3.7E-02	3.7E+00
Ethoprop		1.0E+03	2.0E+03		1.0E+02	2.0E+02	7.3E-02	7.3E+00	7.3E-03	7.3E-01
Ethoxy ethanol, 2-				2.9E-01	4.1E+05				2.9E+01	2.9E+03
Ethyl acetate					9.2E+05				6.6E+01	6.6E+03
Ethyl acrylate		6.0E+02					4.3E-02	4.3E+00		
Ethyl benzene				2.8E+00	1.0E+05					
Ethyl dipropylthiocarbamate, S-					2.6E+04	5.1E+04			1.8E+00	1.8E+02
Ethyl ether					2.0E+05				1.5E+01	1.5E+03
Ethyl methacrylate				4.4E-01	9.2E+04				6.6E+00	6.6E+02
Ethyl methanesulfonate	1.5E-03	2.9E+02	5.8E+02				2.1E-02	2.1E+00		
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)				4.4E-01	1.0E+03				7.3E-02	7.3E+00
Ethyl-1-hexanol, 2-					1.5E+05	3.1E+05			1.1E+01	1.1E+03
Ethyl-2-hexenal, 2-					1.5E+05				1.1E+01	1.1E+03
Ethyl-2-methyl benzene, 1-				5.8E-01	5.1E+04				3.7E+00	3.7E+02
Ethyl-4-methyl benzene, 1-				5.8E-01	5.1E+04				3.7E+00	3.7E+02
Ethylene*										
Ethylene dibromide (dibromoethane, 1,2-)	6.8E-05	1.4E+01		1.3E-02	9.2E+03					
Ethylene glycol					2.0E+06	4.1E+06			1.5E+02	1.5E+04
Ethylene oxide	4.1E-04	2.8E+01					2.0E-03	2.0E-01		
Ethylene thiourea		2.6E+02	5.2E+02		8.2E+01	1.6E+02	1.9E-02	1.9E+00	5.8E-03	5.8E-01
Ethylenediamine					9.2E+04				6.6E+00	6.6E+02
Ethylenimine	2.2E-06	4.4E-01					3.1E-05	3.1E-03		
Ethylhexyl acrylate, 2-		6.0E+02	1.2E+03				4.3E-02	4.3E+00		
Famphur					3.1E+01	6.1E+01			2.2E-03	2.2E-01
Fensulfothion					1.0E+03	2.0E+03			7.3E-02	7.3E+00
Fenthion					7.2E+01	1.4E+02			5.1E-03	5.1E-01
Fluoranthene					4.1E+04	6.3E+04			2.9E+00	2.9E+02
Fluorene					4.1E+04	6.3E+04			2.9E+00	2.9E+02
Fluorine (soluble fluoride)				3.9E-02	6.1E+04	1.2E+06				
Fluorochloridone					7.7E+03	1.5E+04			5.5E-01	5.5E+01
Fonofos					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Formaldehyde				1.6E-02	2.0E+05				1.5E+01	1.5E+03
Formic acid				4.4E-03	9.2E+05				6.6E+01	6.6E+03
Furan					1.0E+03				7.3E-02	7.3E+00
Furfural					3.1E+03				2.2E-01	2.2E+01
Glycidylaldehyde				1.5E-03	4.1E+02				2.9E-02	2.9E+00
Glyphosate					1.0E+05	2.0E+05				
Heptachlor	3.1E-05	6.4E+00	1.3E+01		5.1E+02	1.0E+03				
Heptachlor epoxide	1.6E-05	3.1E+00	6.3E+00		1.3E+01	2.7E+01				
Heptane, n-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Heptanoic acid, n-				1.5E-03	5.1E+05	1.0E+06			3.7E+01	3.7E+03
Hexachlorobenzene	8.9E-05	1.8E+01	3.6E+01		8.2E+02	1.6E+03				
Hexachlorobutadiene	1.9E-03	3.7E+02	7.3E+02		1.0E+03	2.0E+03	2.6E-02	2.6E+00	7.3E-02	7.3E+00
Hexachlorocyclohexane, alpha (alpha-BHC)	2.3E-05	4.5E+00	2.3E+01		8.2E+03	4.1E+04	3.2E-04	3.2E-02	5.8E-01	5.8E+01
Hexachlorocyclohexane, beta (beta-BHC)	7.7E-05	1.6E+01	7.9E+01				1.1E-03	1.1E-01		

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Commercial/Industrial

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	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Hexachlorocyclohexane, delta (delta-BHC)	8.0E-05	1.6E+01	7.9E+01		3.1E+02	1.5E+03	1.1E-03	1.1E-01	2.2E-02	2.2E+00
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)		2.2E+01	1.1E+02		3.1E+02	1.5E+03				
Hexachlorocyclohexane, techn (technical-BHC)	8.0E-05	1.6E+01	7.9E+01				1.1E-03	1.1E-01		
Hexachlorocyclopentadiene				2.9E-04	6.1E+03	1.2E+04				
Hexachloroethane		7.2E+02	1.4E+03	4.4E-02	7.2E+02	1.4E+03	5.1E-02	5.1E+00	5.1E-02	5.1E+00
Hexachlorophene					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Hexachloropropylene	1.0E-02	2.0E+03	4.1E+03		1.0E+03	2.0E+03	1.5E-01	1.5E+01	7.3E-02	7.3E+00
Hexanal, 2-ethyl-					1.5E+05	3.1E+05			1.1E+01	1.1E+03
Hexane, n-				9.8E-01	6.1E+04				4.4E+00	4.4E+02
Hexanediamine, 1,6-					5.1E+03				3.7E-01	3.7E+01
Hexanedinitrile				8.8E-03	1.4E+03				1.0E-01	1.0E+01
Hexanediol, 1,6-				2.7E+01	5.1E+06	1.0E+07			3.7E+02	3.7E+04
Hexanoic acid				1.5E-03	6.5E+04	1.3E+05			4.7E+00	4.7E+02
Hexanone, 2-				4.4E-02	5.1E+03				3.7E-01	3.7E+01
Hexazinone					3.4E+04	6.7E+04			2.4E+00	2.4E+02
Hexene, 1-				1.6E-01	3.4E+05				2.4E+01	2.4E+03
Hexene, cis-2-				1.6E-01	3.4E+05				2.4E+01	2.4E+03
Hexylene glycol (2-methyl-2,4-pentanediol)					3.1E+05	6.1E+05			2.2E+01	2.2E+03
Hydrazine	8.3E-06	9.5E+00		4.4E-05			6.8E-04	6.8E-02		
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)				1.5E-03	6.5E+04	1.3E+05			4.7E+00	4.7E+02
Hydrogen chloride (hydrochloric acid)*										
Hydroquinone		4.8E+02	9.5E+02		4.1E+04	8.2E+04	3.4E-02	3.4E+00	2.9E+00	2.9E+02
Indene				4.4E-03	2.0E+04				1.5E+00	1.5E+02
Indeno-1,2,3-cd-pyrene	4.6E-04	3.9E+01	6.0E+01				2.8E-03	2.8E-01		
Iron*										
Isoamyl alcohol					5.1E+03				3.7E-01	3.7E+01
Isobutyl alcohol					3.1E+05				2.2E+01	2.2E+03
Isobutylene (2-methyl-1-propene)				1.6E+02						
Isobutyric acid (2-methylpropanoic acid)					5.1E+05	1.0E+06			3.7E+01	3.7E+03
Isodecanol					1.6E+03	3.3E+03			1.2E-01	1.2E+01
Isodrin	8.3E-07	1.7E-01	3.4E-01		3.1E+00	6.1E+00	1.2E-05	1.2E-03	2.2E-04	2.2E-02
Isopentane				3.5E+01	6.1E+04				4.4E+00	4.4E+02
Isophorone		3.0E+04	6.0E+04		2.0E+05	4.1E+05	2.2E+00	2.2E+02	1.5E+01	1.5E+03
Isopropyl acetate					7.2E+04				5.1E+00	5.1E+02
Isopropyl alcohol					2.0E+05				1.5E+01	1.5E+03
Isosafrole	6.5E-04	1.3E+02	2.6E+02				9.3E-03	9.3E-01		
Kelthane (dicofol)					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Kepone (chlordecone)	8.9E-06	2.9E+00	5.7E+00		3.1E+02	6.1E+02	2.0E-04	2.0E-02	2.2E-02	2.2E+00
Lead (inorganic)					1.6E+03					
Leptophos				2.6E-06	5.1E+00				3.7E-04	3.7E-02
Limonene, d-*										
Lithium					2.0E+03	4.1E+04			1.5E-01	1.5E+01
Magnesium*										
Malathion				2.9E-04	2.0E+04	4.1E+04			1.5E+00	1.5E+02
Maleic anhydride					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Maleic hydrazide					5.1E+05	1.0E+06			3.7E+01	3.7E+03
Malononitrile					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Mancozeb					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Manganese				7.3E-05	1.4E+05	1.7E+05			1.0E+01	1.0E+03
MCPA (4-(chloro-2-methylphenoxy) acetic acid)					5.1E+02	1.0E+03			3.7E-02	3.7E+00

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)					1.0E+03	2.0E+03			7.3E-02	7.3E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)					1.0E+03	2.0E+03			7.3E-02	7.3E+00
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)					1.0E+03	2.0E+03			7.3E-02	7.3E+00
Mercuric chloride (pH = 4.9)				4.4E-04	3.1E+02	4.3E+02				
Mercuric chloride (pH = 6.8)				4.4E-04	3.1E+02	4.3E+02				
Mercury (pH = 4.9)				4.4E-04	3.1E+02	4.3E+02				
Merphos					3.1E+01	6.1E+01			2.2E-03	2.2E-01
Methacrylic acid (2-methyl-2-propenoic acid)					1.0E+04				7.3E-01	7.3E+01
Methacrylonitrile					1.0E+02				7.3E-03	7.3E-01
Methanol					5.1E+05				3.7E+01	3.7E+03
Methapyrilene		6.1E+00	1.2E+01				4.3E-04	4.3E-02		
Methomyl					2.6E+04	5.1E+04			1.8E+00	1.8E+02
Methoxychlor					5.1E+03	1.0E+04				
Methoxyethanol, 2-				2.9E-02	5.1E+03				3.7E-01	3.7E+01
Methyl acetate (acetic acid, methyl ester)					1.0E+06				7.3E+01	7.3E+03
Methyl acrylate					2.0E+03				1.5E-01	1.5E+01
Methyl amyl ketone (2-heptanone)				4.1E+00	5.1E+04				3.7E+00	3.7E+02
Methyl chrysene, 1-	4.6E-02	3.9E+03	6.0E+03				2.8E-01	2.8E+01		
Methyl chrysene, 2-	4.6E-02	3.9E+03	6.0E+03				2.8E-01	2.8E+01		
Methyl chrysene, 6-	4.6E-03	3.9E+02	6.0E+02				2.8E-02	2.8E+00		
Methyl cyclohexane				4.4E+00	5.1E+06				3.7E+02	3.7E+04
Methyl ethyl ketone (2-butanone)				1.3E+01	6.1E+05				4.4E+01	4.4E+03
Methyl iodide (iodomethane)					1.4E+03				1.0E-01	1.0E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)				4.4E+00	8.2E+04				5.8E+00	5.8E+02
Methyl mercury					1.0E+02	2.0E+03			7.3E-03	7.3E-01
Methyl methacrylate				1.0E+00	1.4E+06				1.0E+02	1.0E+04
Methyl methanesulfonate	1.5E-03	2.9E+02	5.8E+02				2.1E-02	2.1E+00		
Methyl parathion					2.6E+02	5.1E+02			1.8E-02	1.8E+00
Methyl-1-butene, 2-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Methyl-1-propanal, 2- (isobutyraldehyde)					4.1E+04				2.9E+00	2.9E+02
Methyl-2-butene, 2-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Methyl-2-pentenal, 2-		1.5E+01					1.1E-03	1.1E-01		
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)		3.2E+03	6.4E+03				2.3E-01	2.3E+01		
Methylcholanthrene, 3-	1.9E-05	1.3E+00	2.0E+00				9.3E-05	9.3E-03		
Methylene bromide (dibromomethane)		3.8E+03		5.8E-03	6.1E+04		2.7E-01	2.7E+01	4.4E+00	4.4E+02
Methylene chloride (dichloromethane)	1.5E+00	1.4E+04		1.9E+00	6.1E+03					
Methylene-bis (2-chloroaniline) 4,4'-	1.1E-03	2.9E+02	5.7E+02		2.0E+03	4.1E+03	2.0E-02	2.0E+00	1.5E-01	1.5E+01
Methylmecury hydroxide					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Methylnaphthalene, 1-		9.9E+02	1.5E+03		7.2E+04	1.1E+05	7.0E-02	7.0E+00	5.1E+00	5.1E+02
Methylnaphthalene, 2-					4.1E+03	6.3E+03			2.9E-01	2.9E+01
Methylpyrrolidone, N-					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Methylsytrene, alpha-				3.7E-02	8.5E+03				6.1E-01	6.1E+01
Methyltetrahydrofuran, 2-	2.2E-02	3.8E+03			2.0E+05		2.7E-01	2.7E+01	1.5E+01	1.5E+03
Methyltetrahydropyran, 2-	2.2E-02	3.8E+03			2.0E+05		2.7E-01	2.7E+01	1.5E+01	1.5E+03
Metolachlor					1.5E+05	3.1E+05			1.1E+01	1.1E+03
Metribuzin					2.6E+04	5.1E+04			1.8E+00	1.8E+02
Mirex					2.0E+02	4.1E+02			1.5E-02	1.5E+00
Molinate					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Molybdenum					5.1E+03	3.9E+04			3.7E-01	3.7E+01
Monocrotophos					6.1E+02	1.2E+03			4.4E-02	4.4E+00

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Morpholine					5.1E+08				3.7E+04	3.7E+06
Morpholine, N-butyl-					2.4E+03				1.7E-01	1.7E+01
MTBE[5] (methyl tert-butyl ether)	1.6E-01	1.6E+04		4.4E+00	1.0E+04		1.1E+00	1.1E+02	7.3E-01	7.3E+01
Naled					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Naphthalene				4.4E-03	2.0E+04	3.1E+04			1.5E+00	1.5E+02
Naphthoquinone, 1,4-					7.2E+03	1.4E+04			5.1E-01	5.1E+01
Naphthylamine, 1-					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Naphthylamine, 2-		1.6E+01	3.2E+01				1.1E-03	1.1E-01		
Napropamide					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Neopentyl glycol					3.1E+05	6.1E+05			2.2E+01	2.2E+03
Nickel and compounds	2.4E-04			3.4E-04	2.0E+04	1.6E+04			1.5E+00	1.5E+02
Nitrate					1.6E+06	3.3E+07				
Nitrite					1.0E+05	2.0E+06				
Nitroaniline, 2-				2.9E-04	3.1E+02	6.1E+02			2.2E-02	2.2E+00
Nitroaniline, 3-		7.5E+02	1.5E+03	2.9E-04	3.1E+02	6.1E+02	5.4E-02	5.4E+00	2.2E-02	2.2E+00
Nitroaniline, 4-		1.4E+03	2.9E+03	8.8E-03	4.1E+03	8.2E+03	1.0E-01	1.0E+01	2.9E-01	2.9E+01
Nitrobenzene	1.0E-03			1.3E-02	2.0E+03	4.1E+03			1.5E-01	1.5E+01
Nitroglycerin		1.7E+03	3.4E+03		1.0E+02	2.0E+02	1.2E-01	1.2E+01	7.3E-03	7.3E-01
Nitrophenol, 2-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Nitrophenol, 3-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Nitrophenol, 4-					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Nitropropane, 2-	1.5E-05			2.9E-02	1.4E+02				1.0E-02	1.0E+00
Nitroquinoline-N-oxide, 4-	1.5E-05	3.0E+00	6.1E+00				2.2E-04	2.2E-02		
Nitrosodiethanolamine		1.0E+01	2.0E+01				7.3E-04	7.3E-02		
Nitrosodiethylamine, n-	9.5E-07	1.9E-01					1.4E-05	1.4E-03		
Nitrosodimethylamine, n-	2.9E-06	5.6E-01		5.8E-05	8.2E+00		4.0E-05	4.0E-03	5.8E-04	5.8E-02
Nitrosodi-n-butylamine, n-	2.6E-05	5.3E+00	1.1E+01				3.8E-04	3.8E-02		
Nitrosodi-n-propylamine, n-		4.1E+00	2.0E+00				2.9E-04	2.9E-02		
Nitrosodiphenylamine		5.8E+03	2.9E+03				4.2E-01	4.2E+01		
Nitroso-methyl-ethyl-amine, n-		1.3E+00					9.3E-05	9.3E-03		
Nitrosomorpholine, N-	2.2E-05	4.3E+00	8.5E+00				3.1E-04	3.1E-02		
Nitroso-n-ethylurea, n-		2.0E-01	4.1E-01				1.5E-05	1.5E-03		
Nitrosopiperidine, N-	1.5E-05	3.0E+00	6.1E+00				2.2E-04	2.2E-02		
Nitrosopyrrolidine, n-	6.7E-05	1.4E+01	2.7E+01				9.7E-04	9.7E-02		
Nitrotoluene, m-					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Nitrotoluene, o-		1.3E+02	2.6E+02		9.2E+02	1.8E+03	9.3E-03	9.3E-01	6.6E-02	6.6E+00
Nitrotoluene, p-		1.8E+03	3.6E+03		4.1E+03	8.2E+03	1.3E-01	1.3E+01	2.9E-01	2.9E+01
Nonachlor, cis-	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00
Nonachlor, trans-	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00
Nonanal					2.0E+05	4.1E+05			1.5E+01	1.5E+03
Nonene, 1-n					1.0E+05				7.3E+00	7.3E+02
Nonylphenol					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Nonylphenol					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Nonylphenol					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Nonylphenol ethoxylate					1.0E+05				7.3E+00	7.3E+02
Octamethylpyrophosphoramide					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Octanone				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Oxamyl					2.6E+04	5.1E+04				
Oxychlordane	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00
Paraquat					4.6E+03	9.2E+03			3.3E-01	3.3E+01

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Parathion (ethyl parathion)					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Pebulate					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Pendimethalin					4.1E+04	8.2E+04			2.9E+00	2.9E+02
Pentachlorobenzene					8.2E+02	1.6E+03			5.8E-02	5.8E+00
Pentachloroethane	5.5E-03	3.2E+02			3.1E+04		2.3E-02	2.3E+00	2.2E+00	2.2E+02
Pentachloronitrobenzene		1.1E+02	2.2E+02		3.1E+03	6.1E+03	7.9E-03	7.9E-01	2.2E-01	2.2E+01
Pentachlorophenol		7.2E+01	5.7E+01		5.1E+03	4.1E+03				
Pentadiene, 1,3-cis-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Pentadiene, 1,3-trans-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Pentaerythritol tetranitrate (PETN)					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Pentane				3.5E+01	7.2E+05				5.1E+01	5.1E+03
Pentane, 2-methyl-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Pentane, 3-methyl-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Pentanediol, 1,5-				2.7E+01	5.1E+06	1.0E+07			3.7E+02	3.7E+04
Pentanol, 1-					3.4E+04				2.4E+00	2.4E+02
Pentanol, 4-methyl-2-					2.7E+04				1.9E+00	1.9E+02
Pentanone, 2-					4.1E+04				2.9E+00	2.9E+02
Pentene, 2-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Pentyne, 1-				2.6E+01	6.1E+04				4.4E+00	4.4E+02
Perchlorate					7.2E+02	2.9E+03			5.1E-02	5.1E+00
Perylene					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Phenacetin	6.5E-02	1.3E+04	2.6E+04				9.3E-01	9.3E+01		
Phenanthrene					3.1E+04	4.7E+04			2.2E+00	2.2E+02
Phenanthridine					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Phenol					3.1E+05	6.1E+05			2.2E+01	2.2E+03
Phenol, 4-tert-butyl-					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Phenothiazine					5.1E+02	1.0E+03			3.7E-02	3.7E+00
Phenyl mercuric acetate					8.2E+01	1.6E+02			5.8E-03	5.8E-01
Phenylene diamine, m-					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Phenylene diamine, p-					1.9E+05	3.9E+05			1.4E+01	1.4E+03
Phorate					2.0E+02	4.1E+02			1.5E-02	1.5E+00
Phosalone					2.0E+03	4.1E+03			1.5E-01	1.5E+01
Phosdrin (mevinphos)					2.6E+01	5.1E+01			1.8E-03	1.8E-01
Phosmet					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Phosphine				4.4E-04	3.1E+02	1.2E+03			2.2E-02	2.2E+00
Phosphorotrithioic acid, S,S,S-tributyl ester		3.4E+02			1.0E+03		2.4E-02	2.4E+00	7.3E-02	7.3E+00
Phosphorus, total*										
Phosphorus, white					2.0E+01	8.2E+01			1.5E-03	1.5E-01
Phthalic anhydride				1.8E-01	2.0E+06	4.1E+06			1.5E+02	1.5E+04
Picloram					7.2E+04	1.4E+05				
Picoline, 2- (2-methylpyridine)					9.2E+03				6.6E-01	6.6E+01
Polybrominated biphenyls (PBBs)		3.2E+00	6.4E+00		7.2E+00	1.4E+01	2.3E-04	2.3E-02	5.1E-04	5.1E-02
Polychlorinated biphenyls (PCBs)	7.2E-05	1.4E+01	2.0E+01		2.0E+01	2.9E+01				
Potassium*										
Primene					6.1E+03	1.2E+04			4.4E-01	4.4E+01
Prometon (pramitol)					1.5E+04	3.1E+04			1.1E+00	1.1E+02
Pronamide					7.7E+04	1.5E+05			5.5E+00	5.5E+02
Propanal (propionaldehyde)				1.2E-02	8.2E+03				5.8E-01	5.8E+01
Propane, 1-bromo-					3.7E+04				2.6E+00	2.6E+02
Propanil					5.1E+03	1.0E+04			3.7E-01	3.7E+01

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Propanoic acid (propionic acid)					5.1E+05				3.7E+01	3.7E+03
Propanol, 1-					2.0E+05				1.5E+01	1.5E+03
Propargite					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Propargyl alcohol					2.0E+03				1.5E-01	1.5E+01
Propazine		6.4E+02	1.3E+03		2.0E+04	4.1E+04	4.6E-02	4.6E+00	1.5E+00	1.5E+02
Propham					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Propionitrile (propane nitrile)					4.1E+02				2.9E-02	2.9E+00
Propyl acetate, n-					9.2E+04				6.6E+00	6.6E+02
Propylbenzene, n-				5.8E-01	4.1E+04				2.9E+00	2.9E+02
Propylene glycol				4.4E-03	2.0E+07	4.1E+07			1.5E+03	1.5E+05
Propylene glycol monomethyl ether				2.9E+00	7.2E+05				5.1E+01	5.1E+03
Propylene oxide	1.1E-02	1.2E+02		4.4E-02			8.5E-03	8.5E-01		
Propylene tetramer				1.5E+00	1.0E+05	2.0E+05			7.3E+00	7.3E+02
Prothiofos (Tokuthion)					1.0E+02	2.0E+02			7.3E-03	7.3E-01
Pyrene					3.1E+04	4.7E+04			2.2E+00	2.2E+02
Pyridine					1.0E+03				7.3E-02	7.3E+00
Quinoline		9.5E+00	1.9E+01				6.8E-04	6.8E-02		
Ronnel					5.1E+04	1.0E+05			3.7E+00	3.7E+02
Safrole	6.5E-04	1.3E+02	2.6E+02				9.3E-03	9.3E-01		
Selenium					5.1E+03	1.0E+05				
Selenourea					5.1E+03				3.7E-01	3.7E+01
Silver					5.1E+03	4.1E+03			3.7E-01	3.7E+01
Simazine		2.4E+02	4.8E+02		5.1E+03	1.0E+04				
Sodium*										
Sodium diethyldithiocarbamate		1.1E+02			3.1E+04		7.6E-03	7.6E-01	2.2E+00	2.2E+02
Sodium hypochlorite				4.5E-04	2.1E+05	8.6E+05			1.5E+01	1.5E+03
Sodium polyacrylate				1.5E-03	5.1E+05				3.7E+01	3.7E+03
Strontium					6.1E+05	2.5E+06			4.4E+01	4.4E+03
Strychnine					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Styrene				6.9E-01	2.0E+05					
Sulfate*										
Sulfide*										
Sulfolane				9.3E-03	1.3E+04	2.7E+04			9.5E-01	9.5E+01
Sulfur*										
Sulprofos (Bolstar)					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Tebuconazole					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Tebuthiuron					7.2E+04	1.4E+05			5.1E+00	5.1E+02
Terbufos					2.6E+01	5.1E+01			1.8E-03	1.8E-01
Tert-amyl ethyl ether (TAEE)					4.1E+04				2.9E+00	2.9E+02
Tert-amyl-methyl ether (TAME)					4.1E+04				2.9E+00	2.9E+02
Tert-butyl alcohol (2-methyl-2-propanol)					9.2E+04				6.6E+00	6.6E+02
Tetrachlorobenzene, 1,2,3,4-					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Tetrachlorobenzene, 1,2,3,5-					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Tetrachlorobenzene, 1,2,4,5-					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Tetrachloroethane, 1,1,1,2-	5.5E-03	1.1E+03			3.1E+04		7.9E-02	7.9E+00	2.2E+00	2.2E+02
Tetrachloroethane, 1,1,2,2-		1.4E+02			2.0E+04		1.0E-02	1.0E+00	1.5E+00	1.5E+02
Tetrachloroethylene	1.1E-01	1.4E+04		5.4E-01	6.1E+03					
Tetrachlorophenol, 2,3,4,5-					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Tetrachlorophenol, 2,3,4,6-					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Tetrachlorophenol, 2,3,5,6-					3.1E+04	6.1E+04			2.2E+00	2.2E+02

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Tetrachlorvinphos (Stirophos)					4.3E+04	8.6E+04			3.1E+00	3.1E+02
Tetradifon					2.0E+04	4.1E+04			1.5E+00	1.5E+02
Tetraethyl dithiopyrophosphate (sulfotep)					5.1E+02	1.0E+03			3.7E-02	3.7E+00
Tetraethyl lead					1.0E-01	2.0E-01			7.3E-06	7.3E-04
Tetraethyl pyrophosphate (TEPP)					1.1E+01	2.2E+01			8.0E-04	8.0E-02
Tetraethylene glycol					3.4E+05	6.7E+05			2.4E+01	2.4E+03
Tetrahydrofuran	2.2E-02	3.8E+03		2.9E+00	9.2E+05		2.7E-01	2.7E+01	6.6E+01	6.6E+03
Tetrahydropyran	2.2E-02	3.8E+03			2.0E+05		2.7E-01	2.7E+01	1.5E+01	1.5E+03
Tetraoxadodecane, 2,5,8,11-					2.6E+04				1.8E+00	1.8E+02
Thallium and compounds (as thallium chloride)					8.2E+01	1.6E+03				
Thiofanox					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Thionazin					7.2E+01	1.4E+02			5.1E-03	5.1E-01
Thiophanate-methyl					8.2E+04	1.6E+05			5.8E+00	5.8E+02
Thiram					5.1E+03	1.0E+04			3.7E-01	3.7E+01
Tin					6.1E+05	1.2E+06			4.4E+01	4.4E+03
Titanium					5.1E+06	3.1E+06			3.7E+02	3.7E+04
Toluene				6.0E+00	8.2E+04					
Toluene diisocyanate, 2,4/2,6-				1.0E-04						
Toluenediamine, 2,4-		8.9E+00	1.8E+01				6.4E-04	6.4E-02		
Toluenediamine, 2,6-					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Toluidine, o-	8.0E-04	1.2E+02	2.4E+02				8.5E-03	8.5E-01		
Toluidine, p-		1.5E+02	3.0E+02				1.1E-02	1.1E+00		
Toxaphene	1.3E-04	2.6E+01	5.2E+01							
TPH, TX1005, C6-C12				2.9E-01	4.1E+04				2.9E+00	2.9E+02
TPH, TX1005, >C12-C28				2.9E-01	4.1E+04	8.2E+04			2.9E+00	2.9E+02
TPH, TX1005, >C12-C35				2.9E-01	4.1E+04	8.2E+04			2.9E+00	2.9E+02
TPH, TX1005, >C28-C35				2.9E-01	4.1E+04	8.2E+04			2.9E+00	2.9E+02
TP Silvex, 2,4,5-					8.2E+03	1.6E+04				
Triademenol					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Triallate					1.3E+04	2.7E+04			9.5E-01	9.5E+01
Triaminotrinitrobenzene (TATB)		9.5E+02	1.9E+03		3.1E+03	6.1E+03	6.8E-02	6.8E+00	2.2E-01	2.2E+01
Tributyltin oxide					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Trichloro-1,2,2-trifluoroethane, 1,1,2-				4.4E+01	3.1E+07				2.2E+03	2.2E+05
Trichlorobenzene, 1,2,3-				2.9E-03	3.1E+03	6.1E+03			2.2E-01	2.2E+01
Trichlorobenzene, 1,2,4-		9.9E+02	2.0E+03	2.9E-03	1.0E+04	2.0E+04				
Trichlorobenzene, 1,3,5-				2.9E-03	3.1E+03	6.1E+03			2.2E-01	2.2E+01
Trichloroethane, 1,1,1-				7.4E+00	2.0E+06					
Trichloroethane, 1,1,2-	2.6E-03	5.0E+02			4.1E+03					
Trichloroethylene	1.0E-02	6.2E+02		2.9E-03	5.1E+02					
Trichlorofluoromethane					3.1E+05				2.2E+01	2.2E+03
Trichloronate					3.1E+03	6.1E+03			2.2E-01	2.2E+01
Trichlorophenol, 2,3,4-					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Trichlorophenol, 2,3,5-					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Trichlorophenol, 2,3,6-					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Trichlorophenol, 2,4,5-					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Trichlorophenol, 2,4,6-	1.3E-02	2.6E+03	5.2E+03		1.0E+03	2.0E+03	1.9E-01	1.9E+01	7.3E-02	7.3E+00
Trichlorophenol, 3,4,5-					1.0E+05	2.0E+05			7.3E+00	7.3E+02
Trichlorophenoxyacetic acid, 2,4,5-					1.0E+04	2.0E+04			7.3E-01	7.3E+01
Trichloropropane, 1,1,2-				4.4E-04	5.1E+03				3.7E-01	3.7E+01
Trichloropropane, 1,2,3-		9.5E-01		4.4E-04	4.1E+03		6.8E-05	6.8E-03	2.9E-01	2.9E+01

Table 10
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Commercial/Industrial

Chemical of Concern	Soil						Groundwater			
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic	
	${}^{Air}RBEL_{Inh}$ (mg/m3)	${}^{Soil}RBEL_{Ing}$ (mg/kg)	${}^{Soil}RBEL_{Derm}$ (mg/kg)	${}^{Air}RBEL_{Inh}$ (mg/m3)	${}^{Soil}RBEL_{Ing}$ (mg/kg)	${}^{Soil}RBEL_{Derm}$ (mg/kg)	${}^{GW}RBEL_{Ing}$ [1] (mg/L)	${}^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	${}^{GW}RBEL_{Ing}$ [1] (mg/L)	${}^{GW}RBEL_{Class\ 3}$ [2] (mg/L)
Triethanolamine					2.0E+05	4.1E+05			1.5E+01	1.5E+03
Triethylamine				1.0E-02						
Triethylene glycol					3.1E+06	6.1E+06			2.2E+02	2.2E+04
Triethylphosphorothioate, O, O, O-					8.5E+00	1.7E+01			6.1E-04	6.1E-02
Trifluralin		3.7E+03	7.4E+03		7.7E+03	1.5E+04	2.7E-01	2.7E+01	5.5E-01	5.5E+01
Trimethylamine				1.0E-02						
Trimethylbenzene, 1,2,3-				8.8E-03	5.1E+04				3.7E+00	3.7E+02
Trimethylbenzene, 1,2,4-				1.0E-02	5.1E+04				3.7E+00	3.7E+02
Trimethylbenzene, 1,3,5-				8.8E-03	5.1E+04				3.7E+00	3.7E+02
Trinitrobenzene, 1,3,5-					3.1E+04	6.1E+04			2.2E+00	2.2E+02
Trinitrophenylmethylnitramine (tetryl; nitramine)					4.1E+03	8.2E+03			2.9E-01	2.9E+01
Trinitrotoluene, 2,4,6-		9.5E+02	1.9E+03		5.1E+02	1.0E+03	6.8E-02	6.8E+00	3.7E-02	3.7E+00
Uranium (soluble salts)				4.4E-04	3.1E+03	6.1E+04				
Valeric acid (pentanoic acid)				1.5E-03	5.1E+05	1.0E+06			3.7E+01	3.7E+03
Vanadium				4.4E-05	1.8E+03	9.6E+02			1.3E-01	1.3E+01
Vernam					1.0E+03	2.0E+03			7.3E-02	7.3E+00
Vinyl acetate				2.9E-01	1.0E+06				7.3E+01	7.3E+03
Vinyl chloride	4.9E-03	1.9E+01		8.8E-02	3.1E+03					
Vinylcyclohexane					5.1E+05				3.7E+01	3.7E+03
Warfarin					3.1E+02	6.1E+02			2.2E-02	2.2E+00
Xylene, m-				8.9E-01	2.0E+06					
Xylene, o-				8.9E-01	2.0E+06					
Xylene, p-				8.9E-01	2.0E+06					
Xylenes				8.9E-01	2.0E+05					
Zinc					3.1E+05	1.2E+06			2.2E+01	2.2E+03

Footnotes

[1]Based on primary MCLs when available

[2]100 x ${}^{GW}GW_{Ing}$

[3]Values for ammonia and MTBE are based on taste and odor.

[4]The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5]Persons must use the value provided in the "Secondary MCL" column of this table as the ${}^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

[6]Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrppcls.html.

NA = not applicable

All values capped at 1E+06