

Tier 1 Residential Soil PCLs¹

		0.5 acre source area											30 acre source area															
		^{Tot} Soil _{Comb} ²		note		^{GW} Soil _{Ing}		^{Class} 3		^{Air} Soil _{Inh-} ^{note}		^{Air} Soil _{Inh-V}		^{GW} Soil for Secondary MCL	^{Tot} Soil _{Comb} ²		note		^{GW} Soil _{Ing}		^{Class} 3		^{Air} Soil _{Inh-} ^{note}		^{Air} Soil _{Inh-V}		^{GW} Soil for Secondary MCL	
Chemical of Concern	CAS	(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	(mg/kg)	(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)
Acenaphthene	83-32-9	3.0E+03	n	2.4E+02	n	2.4E+04	n	>S							3.0E+03	n	1.2E+02	n	1.2E+04	n	>S							
Acenaphthylene	208-96-8	3.8E+03	n	4.1E+02	n	4.1E+04	n	>S							3.8E+03	n	2.0E+02	n	2.0E+04	n	>S							
Acetaldehyde	75-07-0	1.4E+02	n	5.0E+00	n	5.0E+02	n	1.4E+02	n	4.8E+03	n				7.3E+01	n	2.5E+00	n	2.5E+02	n	7.4E+01	n	3.1E+02	n				
Acetate, 2-ethoxyethanol	111-15-9	3.5E+03	n	5.3E+00	n	5.3E+02	n	6.0E+03	n	9.8E+05	n	>S			2.3E+03	n	2.7E+00	n	2.7E+02	n	3.1E+03	n	6.3E+04	n				
Acetate, isoamyl	123-92-2	5.9E+03	n	8.7E+00	n	8.7E+02	n								5.9E+03	n	4.4E+00	n	4.4E+02	n								
Acetate, isobutyl	110-19-0	3.9E+03	n	3.7E+00	n	3.7E+02	n								3.9E+03	n	1.8E+00	n	1.8E+02	n								
Acetate, sec-butyl	105-46-4	3.9E+03	n	4.0E+00	n	4.0E+02	n								3.9E+03	n	2.0E+00	n	2.0E+02	n								
Acetic acid*	64-19-7																											
Acetone (2-propanone)	67-64-1	6.6E+04	n	4.3E+01	n	4.3E+03	n	6.0E+05	n	1.0E+06	n	>S			5.9E+04	n	2.1E+01	n	2.1E+03	n	3.1E+05	n	1.0E+06	n	>S			
Acetone cyanohydrin	75-86-5	1.9E+02	n	1.4E-01	n	1.4E+01	n	4.3E+03	n	6.6E+05	n				1.8E+02	n	7.1E-02	n	7.1E+00	n	2.2E+03	n	4.3E+04	n				
Acetonitrile	75-05-8	8.7E+02	n	1.5E+00	n	1.5E+02	n	1.3E+03	n	6.2E+04	n				5.3E+02	n	7.6E-01	n	7.6E+01	n	6.7E+02	n	4.0E+03	n				
Acetophenone	98-86-2	6.7E+03	n	8.2E+00	n	8.2E+02	n								6.7E+03	n	4.1E+00	n	4.1E+02	n								
Acetylaminofluorene, 2-	53-96-3	1.2E+00	c	4.5E-03	c	4.5E-01	c	1.9E+01	c	1.2E+04	c	>S			1.1E+00	c	2.3E-03	c	2.3E-01	c	9.5E+00	c	9.9E+02	c	>S			
Acifluorfen, sodium	62476-59-9	8.7E+02	n	2.0E+00	n	2.0E+02	n								8.7E+02	n	1.0E+00	n	1.0E+02	n								
Acridine	260-94-6	2.0E+02	n	7.5E+00	n	7.5E+02	n								2.0E+02	n	3.8E+00	n	3.8E+02	n								
Acrolein	107-02-8	1.7E+01	n	2.4E-02	n	2.4E+00	n	2.8E+01	n	3.4E+03	n				1.1E+01	n	1.2E-02	n	1.2E+00	n	1.5E+01	n	2.2E+02	n				
Acrylamide	79-06-1	7.0E+00	c	3.5E-03	c	3.5E-01	c	2.8E+01	c	7.2E+03	c				5.7E+00	c	1.8E-03	c	1.8E-01	c	1.4E+01	c	4.8E+02	c				
Acrylic acid	79-10-7	1.2E+02	n	2.4E+01	n	2.4E+03	n	1.2E+02	n	3.0E+04	n				6.2E+01	n	1.2E+01	n	1.2E+03	n	6.2E+01	n	1.9E+03	n				
Acrylonitrile	107-13-1	3.6E+00	c	3.3E-03	c	3.3E-01	c	5.3E+00	c	1.1E+02	c				2.2E+00	c	1.7E-03	c	1.7E-01	c	2.7E+00	c	7.4E+00	c				
Adipic acid (hexanedioic acid)	124-04-9	1.3E+05	n	9.4E+01	n	9.4E+03	n								1.3E+05	n	4.7E+01	n	4.7E+03	n								
Alachlor	15972-60-8	5.9E+01	c	1.9E-02	m	1.9E+00	m								5.9E+01	c	9.5E-03	m	9.5E-01	m								
Aldicarb	116-06-3	6.7E+01	n	1.8E-02	m	1.8E+00	m								6.7E+01	n	8.9E-03	m	8.9E-01	m								
Aldicarb sulfone	1646-88-4	6.7E+01	n	1.4E-02	m	1.4E+00	m								6.7E+01	n	6.9E-03	m	6.9E-01	m								
Aldrin	309-00-2	5.0E-02	c	1.0E-01	c	1.0E+01	c	8.3E+00	c	8.5E+03	c	>S			5.0E-02	c	5.1E-02	c	5.1E+00	c	4.3E+00	c	5.5E+02	c	>S			
Allyl alcohol	107-18-6	5.6E+00	n	2.5E-01	n	2.5E+01	n	5.7E+00	n	6.1E+02	n				2.9E+00	n	1.3E-01	n	1.3E+01	n	2.9E+00	n	3.9E+01	n				
Allyl chloride	107-05-1	1.5E+01	n	1.0E+00	n	1.0E+02	n	1.5E+01	n	3.8E+01	n				7.8E+00	n	5.1E-01	n	5.1E+01	n	7.9E+00	n	2.5E+00	n				
Aluminum	7429-90-5	6.5E+04	n	1.7E+05	n	>S	>S	1.0E+06	n	>S				1.4E+03	6.4E+04	n	8.6E+04	n	>S	1.0E+06	n	>S				7.1E+02		
Ametryn	834-12-8	6.0E+02	n	7.2E+00	n	7.2E+02	n								6.0E+02	n	3.6E+00	n	3.6E+02	n								
Amino-2,6-dinitrotoluene, 4-	19406-51-0	1.1E+01	n	6.7E-02	n	6.7E+00	n								1.1E+01	n	3.3E-02	n	3.3E+00	n								
Amino-4,6-dinitrotoluene, 2-	35572-78-2	1.1E+01	n	9.9E-02	n	9.9E+00	n								1.1E+01	n	5.0E-02	n	5.0E+00	n								
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	7.7E-01	c	1.1E-02	c	1.1E+00	c								7.7E-01	c	5.4E-03	c	5.4E-01	c								
Aminopyridine, 4-	504-24-5	1.3E+00	n	9.5E-04	n	9.5E-02	n								1.3E+00	n	4.7E-04	n	4.7E-02	n								
Ammonia	7664-41-7	1.5E+03	n					1.5E+03	n	5.7E+03	n		3.1E+00	7.9E+02	n					7.9E+02	n	3.7E+02	n			1.6E+00		
Ammonium polyphosphate*	6833-79-9																											
Ammonium salts*	Ammonium																											
Aniline	62-53-3	1.0E+02	n	3.7E-01	c	3.7E+01	c	1.3E+02	n	2.5E+04	n				5.9E+01	n	1.8E-01	c	1.8E+01	c	6.7E+01	n	1.6E+03	n				
Anthracene	120-12-7	1.8E+04	n	6.9E+03	n	>S	>S	6.9E+05	n	>S					1.8E+04	n	3.4E+03	n	>S	3.4E+05	n	>S						
Anthraquinone, 9,10-	84-65-1	1.2E+02	c	1.1E+00	c	1.1E+02	c	>S		>S					1.2E+02	c	5.7E-01	c	5.7E+01	c	>S							
Antimony	7440-36-0	1.5E+01	n	5.4E+00	m	>S	>S	5.4E+02	m	>S					1.5E+01	n	2.7E+00	m	>S	2.7E+02	m	>S						
Aramite	140-57-8	1.1E+02	c		c		c								1.1E+02	c		c										
Arsenic	7440-38-2	2.4E+01	n	5.0E+00	m	>S	>S	5.0E+02	m	>S					2.4E+01	n	2.5E+00	m	>S	2.5E+02	m	>S						
Arsine	7784-42-1	7.7E-01	n					7.7E-01	n						3.9E-01	n				3.9E-01	n							
Asbestos ⁸	1332-21-4																											
Atrazine	1912-24-9	2.1E+01	c	2.5E-02	m	2.5E+00	m								2.1E+01	c	1.2E-02	m	1.2E+00	m								
Azinphos-methyl (guthion)	86-50-0	1.0E+02	n	4.4E-01	n	4.4E+01	n	>S							1.0E+02	n	2.2E-01	n	2.2E+01	n	>S							
Azobenzene	103-33-3	3.7E+01	c	1.8E+01	c	1.8E+03	c	1.4E+03	c	1.0E+06	c	>S			3.6E+01	c	8.8E+00	c	8.8E+02	c	7.1E+02	c	9.4E+04	c	>S			
Barium	7440-39-3	8.1E+03	n	4.4E+02	m	>S	>S	4.4E+04	m	>S					8.1E+03	n	2.2E+02	m	>S	2.2E+04	m	>S						
Bayleton	43121-43-3	2.0E+03	n	7.4E+00	n	7.4E+02	n	>S							2.0E+03	n	3.7E+00	n	3.7E+02	n	>S							
Benefin (benfluralin)	1861-40-1	1.9E+04	n	4.9E+04	n	>S	>S	1.0E+06	n	>S					1.9E+04	n	2.4E+04	n	>S	1.0E+06	n	>S						
Benomyl	17804-35-2	3.3E+03	n	3.1E+00	n	3.1E+02	n	>S							3.3E+03	n	1.5E+00	n	1.5E+02	n	>S							
Benz-a-anthracene	56-55-3	5.7E+00	c	1.8E+01	c	1.8E+03	c	>S	3.7E+03	c	1.0E+06	c	>S		5.6E+00	c	8.9E+00	c	8.9E+02	c	>S	1.9E+03	c	1.0E+06	c	>S		
Benzaldehyde	100-52-7	8.2E+03	n	1.1E+01	n	1.1E+03	n								8.2E+03	n	5.3E+00	n	5.3E+02	n								
Benzene	71-43-2	1.2E+02	c	2.6E-02	m	2.6E+00	m	1.6E+02	c	9.2E+02	c				6.9E+01	c	1.3E-02	m	1.3E+00	m	8.4E+01	c	6.0E+01	c				
Benzenedicarbonitrile, 1,3-	626-17-5	4.0E+02	n	3.3E-01	n	3.3E+01	n								4.0E+02	n	1.6E-01	n	1.6E+01	n								

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	Tot Soil ²		GW Soil ^{Ing}		GW Soil ^{Class3}		Air Soil ^{Inh-4}		Air GW- ^{SoilInh-V}		GW Soil for Secondary MCL (mg/kg)	Tot Soil ²		GW Soil ^{Ing}		GW Soil ^{Class3}		Air Soil ^{Inh-4}		Air GW- ^{SoilInh-V}		GW Soil for Secondary MCL (mg/kg)
		Comb	note	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note	(mg/kg)	note3		Comb	note	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note	(mg/kg)	note3	
Benzenedicarboxylic acid, 1,2-disodecyl ester	26761-40-0	3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S		3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S	
Benzenethiol	108-98-5	8.2E+01	n	6.8E-02	n	6.8E+00	n						8.2E+01	n	3.4E-02	n	3.4E+00	n					
Benzidine	92-87-5	1.5E-02	c	1.1E-05	c	1.1E-03	c	6.3E-02	c	1.4E+01	c		1.3E-02	c	5.5E-06	c	5.5E-04	c	3.2E-02	c	1.2E+00	c	
Benzo-a-pyrene	50-32-8	5.6E-01	c	7.6E+00	m	7.6E+02	m >S	8.5E+02	c	1.0E+06	c >S		5.6E-01	c	3.8E+00	m	3.8E+02	m >S	4.4E+02	c	9.6E+05	c >S	
Benzo-b-fluoranthene	205-99-2	5.7E+00	c	6.0E+01	c	6.0E+03	c >S	6.1E+03	c	1.0E+06	c >S		5.7E+00	c	3.0E+01	c	3.0E+03	c >S	3.2E+03	c	1.0E+06	c >S	
Benzo-e-pyrene	192-97-2	1.8E+03	n	1.1E+05	n >S	1.0E+06	n >S						1.8E+03	n	5.7E+04	n >S	1.0E+06	n >S					
Benzo-g,h,i-perylene	191-24-2	1.8E+03	n	4.6E+04	n >S	1.0E+06	n >S						1.8E+03	n	2.3E+04	n >S	1.0E+06	n >S					
Benzoic acid	65-85-0	2.7E+05	n	1.9E+02	n	1.9E+04	n >S						2.7E+05	n	9.5E+01	n	9.5E+03	n >S					
Benzo-j-fluoranthene	205-82-3	5.4E+00	c	2.6E+01	c	2.6E+03	c >S	3.2E+03	c	1.0E+06	c >S		5.3E+00	c	1.3E+01	c	1.3E+03	c >S	1.7E+03	c	1.0E+06	c >S	
Benzo-k-fluoranthene	207-08-9	5.7E+01	c	6.2E+02	c >S	6.2E+04	c >S	1.5E+05	c	1.0E+06	c >S		5.7E+01	c	3.1E+02	c >S	3.1E+04	c >S	7.8E+04	c	1.0E+06	c >S	
Benzophenone	119-61-9	4.5E+02	n	1.7E+01	n	1.7E+03	n						4.5E+02	n	8.5E+00	n	8.5E+02	n					
Benzo-trichloride	98-07-7	3.6E-01	c	4.2E-03	c	4.2E-01	c						3.6E-01	c	2.1E-03	c	2.1E-01	c					
Benzoyl peroxide	94-36-0	3.3E+03	n	5.4E+01	n	5.4E+03	n >S						3.3E+03	n	2.7E+01	n	2.7E+03	n >S					
Benzyl alcohol	100-51-6	6.7E+03	n	5.9E+00	n	5.9E+02	n						6.7E+03	n	2.9E+00	n	2.9E+02	n					
Benzyl chloride	100-44-7	2.6E+01	n	5.0E-02	c	5.0E+00	c	3.1E+01	n	9.3E+02	n		1.4E+01	n	2.5E-02	c	2.5E+00	c	1.6E+01	n	6.0E+01	n	
Benzyl dichloride	98-87-3	2.8E+01	c	6.3E-02	c	6.3E+00	c	5.5E+01	n	2.3E+03	n		2.3E+01	n	3.2E-02	c	3.2E+00	c	2.8E+01	n	1.5E+02	n	
Beryllium	7440-41-7	3.8E+01	n	1.8E+00	m >S	1.8E+02	m >S						3.8E+01	n	9.2E-01	m >S	9.2E+01	m >S					
Biphenyl, 1,1-	92-52-4	3.3E+03	n	2.5E+02	n	2.5E+04	n >S						3.3E+03	n	1.3E+02	n	1.3E+04	n >S					
Biphenyl, 1,1', 2-phenoxy-	6738-04-1	3.9E+03	n	7.5E+04	n >S	1.0E+06	n >S						3.9E+03	n	3.7E+04	n >S	1.0E+06	n >S					
Biquinoline, 2,2'-	119-91-5	1.8E+02	n	2.7E+01	n	2.7E+03	n >S						1.8E+02	n	1.3E+01	n	1.3E+03	n >S					
Bis (2-chloroethoxy) methane	111-91-1	3.1E+00	c	1.2E-02	c	1.2E+00	c	1.1E+01	c	1.1E+03	c		2.5E+00	c	5.9E-03	c	5.9E-01	c	5.8E+00	c	7.4E+01	c	
Bis (2-chloroethyl) ether	111-44-4	2.2E+00	c	2.1E-03	c	2.1E-01	c	3.6E+00	c	2.4E+02	c		1.4E+00	c	1.1E-03	c	1.1E-01	c	1.8E+00	c	1.5E+01	c	
Bis (2-chloroisopropyl) ether	108-60-1	5.1E+01	c	1.9E-01	c	1.9E+01	c	2.1E+02	c	1.3E+04	c		4.1E+01	c	9.5E-02	c	9.5E+00	c	1.1E+02	c	8.2E+02	c	
Bis (2-chloromethyl) ether	542-88-1	4.8E-03	c	8.2E-06	c	8.2E-04	c	5.8E-03	c	1.7E-01	c		2.7E-03	c	4.1E-06	c	4.1E-04	c	3.0E-03	c	1.1E-02	c	
Bis (2-ethyl-hexyl) phthalate	117-81-7	4.3E+01	c	1.6E+02	m	1.6E+04	m >S						4.3E+01	c	8.2E+01	m	8.2E+03	m >S					
Bismuth	7440-69-9	3.7E+04	n		n		n						3.7E+04	n		n		n					
Bisphenol A	80-05-7	3.3E+03	n	2.9E+01	n	2.9E+03	n						3.3E+03	n	1.5E+01	n	1.5E+03	n					
Boron ⁵	7440-42-8	1.6E+04	n		n		n						1.6E+04	n		n		n					
Bromacil	314-40-9	6.7E+03	n	1.7E+01	n	1.7E+03	n						6.7E+03	n	8.6E+00	n	8.6E+02	n					
Bromo-2-chloroethane, 1-	107-04-0	3.3E+03	n	3.5E+00	n	3.5E+02	n						3.3E+03	n	1.7E+00	n	1.7E+02	n					
Bromobenzene	108-86-1	3.9E+02	n	2.3E+00	n	2.3E+02	n	9.7E+02	n	2.7E+04	n >S		2.8E+02	n	1.2E+00	n	1.2E+02	n	5.0E+02	n	1.7E+03	n	
Bromodichloromethane	75-27-4	9.8E+01	c	6.5E-02	c	6.5E+00	c						9.8E+01	c	3.3E-02	c	3.3E+00	c					
Bromoform	75-25-2	4.0E+02	c	6.3E-01	c	6.3E+01	c	8.4E+02	c	2.8E+04	c >S		2.8E+02	c	3.2E-01	c	3.2E+01	c	4.3E+02	c	1.8E+03	c	
Bromomethane	74-83-9	4.6E+01	n	1.3E-01	n	1.3E+01	n	7.7E+01	n	1.8E+02	n		2.9E+01	n	6.5E-02	n	6.5E+00	n	3.9E+01	n	1.1E+01	n	
Bromophenyl phenylether, 4-	101-55-3	2.8E-01	c	3.5E-01	c	3.5E+01	c	9.8E+00	c	9.2E+03	c >S		2.7E-01	c	1.8E-01	c	1.8E+01	c	5.0E+00	c	5.9E+02	c	
Butadiene, 1,3-	106-99-0	5.1E+02	n		n		n	5.1E+02	n	5.0E+02	n		2.6E+02	n		n		n	2.6E+02	n	3.2E+01	n	
Butadiene, 2-methyl-1,3- (isoprene)	78-79-5	4.8E+03	n	1.1E+01	n	1.1E+03	n	2.8E+05	n	6.2E+05	n >S		4.7E+03	n	5.5E+00	n	5.5E+02	n	1.4E+05	n	4.0E+04	n >S	
Butanal (butyraldehyde)	123-72-8	4.9E+03	n	3.2E+00	n	3.2E+02	n						4.9E+03	n	1.6E+00	n	1.6E+02	n					
Butane, 2,3-dimethyl-	79-29-8	4.8E+03	n	2.8E+02	n	2.8E+04	n >S	2.8E+05	n	4.6E+05	n >S		4.7E+03	n	1.4E+02	n	1.4E+04	n >S	1.4E+05	n	3.0E+04	n >S	
Butanoic acid (butyric acid)	107-92-6	1.3E+02	n	2.3E+01	n	2.3E+03	n	1.3E+02	n	3.6E+04	n		6.6E+01	n	1.2E+01	n	1.2E+03	n	6.6E+01	n	2.4E+03	n	
Butanol, 1-, 2-Me-	137-32-6	8.2E+02	n	6.0E-01	n	6.0E+01	n						8.2E+02	n	3.0E-01	n	3.0E+01	n					
Butanol, 2-	78-92-2	1.5E+05	n	1.0E+02	n	1.0E+04	n	1.0E+06	n	1.0E+06	n >S		1.3E+05	n	5.2E+01	n	5.2E+03	n	7.2E+05	n	1.0E+06	n >S	
Butanol, 2-methyl-2-	75-85-4	8.2E+02	n	5.9E-01	n	5.9E+01	n						8.2E+02	n	2.9E-01	n	2.9E+01	n					
Butanol, n-	71-36-3	8.2E+03	n	5.3E+00	n	5.3E+02	n						8.2E+03	n	2.6E+00	n	2.6E+02	n					
Butene, 1-	106-98-9	4.8E+03	n	4.4E+01	n	4.4E+03	n	2.8E+05	n	3.0E+05	n >S		4.7E+03	n	2.2E+01	n	2.2E+03	n	1.4E+05	n	1.9E+04	n >S	
Butene, cis-2-	590-18-1	4.8E+03	n	3.2E+01	n	3.2E+03	n	2.8E+05	n	3.2E+05	n >S		4.7E+03	n	1.6E+01	n	1.6E+03	n	1.4E+05	n	2.0E+04	n >S	
Butene, trans-2-	624-64-6	4.8E+03	n	3.2E+01	n	3.2E+03	n	2.8E+05	n	3.2E+05	n >S		4.7E+03	n	1.6E+01	n	1.6E+03	n	1.4E+05	n	2.0E+04	n >S	
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; E	111-76-2	6.5E+03	n	5.9E+00	n	5.9E+02	n	2.9E+05	n	1.0E+06	n >S		6.4E+03	n	2.9E+00	n	2.9E+02	n	1.5E+05	n	1.0E+06	n >S	
Butyl acetate	123-86-4	5.6E+03	n	1.0E+01	n	1.0E+03	n	1.1E+04	n	2.8E+05	n >S		3.8E+03	n	5.1E+00	n	5.1E+02	n	5.7E+03	n	1.8E+04	n >S	
Butyl acrylate	141-32-2	7.4E+02	n	1.0E+00	n	1.0E+02	n						7.4E+02	n	5.2E-01	n	5.2E+01	n					
Butyl benzyl phthalate	85-68-7	1.6E+03	c	2.6E+02	c	2.6E+04	c >S						1.6E+03	c	1.3E+02	c	1.3E+04	c >S					
Butyl ether, n- (dibutyl ether)	142-96-1	8.2E+03	n	4.3E+01	n	4.3E+03	n						8.2E+03	n	2.2E+01	n	2.2E+03	n					
Butyl methacrylate	97-88-1	7.4E+03	n	2.6E+01	n	2.6E+03	n						7.4E+03	n	1.3E+01	n	1.3E+03	n					
Butylate	2008-41-5	3.3E+03	n	8.5E+00	n	8.5E+02	n >S						3.3E+03	n	4.3E+00	n	4.3E+02	n >S					
Butylbenzene, n-	104-51-8	3.3E+03	n	1.5E+02	n	1.5E+04	n >S						3.3E+03	n	7.6E+01	n	7.6E+03	n >S					
Butylbenzene, sec-	135-98-8	3.3E+03	n	8.5E+01	n	8.5E+03	n >S						3.3E+03	n	4.2E+01	n	4.2E+03	n >S					

Table 1 - Page 2

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area																
Chemical of Concern	CAS	Soil ² Comb		note	GW ¹ Soil ³ Ing		GW ¹ Soil ³ Class3		Air ⁴ Soil ⁵ Inh- note		Air ⁴ GW- ⁶ Soil ⁷ Inh-V		GW ¹ Soil for Secondary MCL (mg/kg)	Soil ² Comb		note	GW ¹ Soil ³ Ing		GW ¹ Soil ³ Class3		Air ⁴ Soil ⁵ Inh- note		Air ⁴ GW- ⁶ Soil ⁷ Inh-V		GW ¹ Soil for Secondary MCL (mg/kg)				
		(mg/kg)			(mg/kg)	note3	(mg/kg)	note3	(mg/kg)		(mg/kg)			(mg/kg)	note3		(mg/kg)		(mg/kg)	note3	(mg/kg)		(mg/kg)	note3		(mg/kg)	note3		
Butylbenzene, tert-	98-06-6	3.3E+03	n		1.0E+02	n		1.0E+04	n	>S					3.3E+03	n		5.0E+01	n		5.0E+03	n	>S						
Cacodylic acid	75-60-5	2.0E+02	n		1.5E-01	n		1.5E+01	n						2.0E+02	n		7.4E-02	n		7.4E+00	n							
Cadmium	7440-43-9	5.2E+01	n		1.5E+00	m	>S	1.5E+02	m	>S					5.2E+01	n		7.5E-01	m	>S	7.5E+01	m	>S						
Calcium*	7440-70-2																												
Caprolactam	105-60-2	3.3E+04	n		4.7E+01	n		4.7E+03	n						3.3E+04	n		2.3E+01	n		2.3E+03	n							
Captan	133-06-2	1.3E+03	c		6.7E+01	c		6.7E+03	c	>S					1.3E+03	c		3.4E+01	c		3.4E+03	c	>S						
Carbaryl	63-25-2	6.7E+03	n		2.8E+01	n		2.8E+03	n	>S					6.7E+03	n		1.4E+01	n		1.4E+03	n	>S						
Carbazole	86-74-8	2.3E+02	c		4.6E+00	c		4.6E+02	c	>S					2.3E+02	c		2.3E+00	c		2.3E+02	c	>S						
Carbofuran	1563-66-2	3.3E+02	n		1.2E-01	m		1.2E+01	m						3.3E+02	n		6.2E-02	m		6.2E+00	m							
Carbon disulfide	75-15-0	4.6E+03	n		1.4E+01	n		1.4E+03	n	1.1E+04	n	2.7E+04	n	>S	3.3E+03	n		6.8E+00	n		6.8E+02	n	5.5E+03	n	1.7E+03	n			
Carbon tetrachloride	56-23-5	3.5E+01	c		6.2E-02	m		6.2E+00	m	6.0E+01	c	2.4E+02	c		2.3E+01	c		3.1E-02	m		3.1E+00	m	3.1E+01	c	1.6E+01	c			
Carbophenothion	786-19-6	8.2E+02	n		1.5E+03	n		1.5E+05	n	>S					8.2E+02	n		7.4E+02	n		7.4E+04	n	>S						
Carbosulfan	55285-14-8	4.3E+02	n		2.5E+02	n		2.5E+04	n	>S					4.3E+02	n		1.3E+02	n		1.3E+04	n	>S						
Carboxin	5234-68-4	6.7E+03	n		8.7E+01	n		8.7E+03	n	>S					6.7E+03	n		4.4E+01	n		4.4E+03	n	>S						
Chloral	75-87-6	8.2E+03	n		5.3E+00	n		5.3E+02	n						8.2E+03	n		2.7E+00	n		2.7E+02	n							
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	6.7E+03	n		5.2E+00	n		5.2E+02	n						6.7E+03	n		2.6E+00	n		2.6E+02	n							
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	1.0E+03	n		3.8E+00	n		3.8E+02	n						1.0E+03	n		1.9E+00	n		1.9E+02	n							
Chlordane (technical)	12789-03-6	6.0E+00	c		9.6E+00	m		9.6E+02	m	>S	1.2E+03	c	1.0E+06	c	>S	5.9E+00	c		4.8E+00	m		4.8E+02	m	>S	6.4E+02	c	2.4E+05	c	>S
Chlordane, cis- (alpha chlordane)	5103-71-9	1.3E+01	c		7.4E+02	c		7.4E+04	c	>S	4.1E+03	c	1.0E+06	c	>S	1.3E+01	c		3.7E+02	c		3.7E+04	c	>S	2.1E+03	c	1.0E+06	c	>S
Chlordane, gamma	5103-74-2	7.4E+00	c		4.1E+01	c		4.1E+03	c	>S	9.7E+02	c	1.0E+06	c	>S	7.3E+00	c		2.1E+01	c		2.1E+03	c	>S	5.0E+02	c	1.6E+05	c	>S
Chlorfenvinphos	470-90-6	1.4E+01	n		9.1E-01	n		9.1E+01	n	3.1E+01	n				9.6E+00	n		4.6E-01	n		4.6E+01	n	1.6E+01	n					
Chloride*	16887-00-6																												
Chlorine	7782-50-5	2.3E+00	n			m			m	2.3E+00	n		n 3W Ing		1.2E+00	n			m			1.2E+00	n		n 3W Ing				
Chloro-1,3-butadiene, 2-	126-99-8	1.2E+00	c							1.2E+00	c	2.6E+00	c		6.1E-01	c						6.1E-01	c	1.7E-01	c				
Chloro-2-propanol, 1-	127-00-4	1.6E+03	n		1.1E+00	n		1.1E+02	n						1.6E+03	n		5.3E-01	n		5.3E+01	n							
Chloro-3-methylphenol, 4-	59-50-7	3.3E+02	n		4.5E+00	n		4.5E+02	n						3.3E+02	n		2.3E+00	n		2.3E+02	n							
Chloroaniline, p-	106-47-8	2.3E+01	c		2.1E-02	c		2.1E+00	c						2.3E+01	c		1.0E-02	c		1.0E+00	c							
Chlorobenzene	108-90-7	5.2E+02	n		1.1E+00	m		1.1E+02	m	7.7E+02	n	1.3E+04	n	>S	3.2E+02	n		5.5E-01	m		5.5E+01	m	3.9E+02	n	8.2E+02	n			
Chlorobenzilate	510-15-6	1.7E+01	c		1.1E-01	c		1.1E+01	c	3.5E+02	c	2.4E+05	c	>S	1.6E+01	c		5.7E-02	c		5.7E+00	c	1.8E+02	c	1.5E+04	c	>S		
Chlorobromomethane (bromochloromethane)	74-97-5	3.3E+03	n		3.0E+00	n		3.0E+02	n						3.3E+03	n		1.5E+00	n		1.5E+02	n							
Chlorodifluoromethane	75-45-6	7.7E+05	n							7.7E+05	n	8.9E+05	n	>S	3.9E+05	n						3.9E+05	n	5.8E+04	n	>S			
Chloroethane (ethyl chloride)	75-00-3	2.7E+04	n		3.1E+01	n		3.1E+03	n	1.5E+05	n	3.7E+05	n	>S	2.3E+04	n		1.5E+01	n		1.5E+03	n	7.9E+04	n	2.4E+04	n			
Chloroethanol, 2-	107-07-3	3.3E+04	n		1.9E+01	n		1.9E+03	n						3.3E+04	n		9.7E+00	n		9.7E+02	n							
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	4.5E+00	n		2.9E-03	c		2.9E-01	c	4.6E+00	n	6.8E+01	n		2.3E+00	n		1.4E-03	c		1.4E-01	c	2.4E+00	n	4.4E+00	n			
Chloroform	67-66-3	1.6E+01	c		1.0E+00	n		1.0E+02	n	1.6E+01	c	8.3E+01	c		8.0E+00	c		5.1E-01	n		5.1E+01	n	8.0E+00	c	5.4E+00	c			
Chlorohexane, 1-	544-10-5	2.7E+03	n		3.9E+01	n		3.9E+03	n	>S	1.5E+04	n	2.9E+05	n	>S	2.3E+03	n		2.0E+01	n		2.0E+03	n	>S	7.9E+03	n	1.9E+04	n	>S
Chloromethane (methyl chloride)	74-87-3	1.4E+02	c		4.1E-01	c		4.1E+01	c	2.0E+02	c	2.1E+02	c		8.4E+01	c		2.0E-01	c		2.0E+01	c	1.0E+02	c	1.4E+01	c			
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	4.6E+03	n		7.4E+02	n		7.4E+04	n	>S					4.6E+03	n		3.7E+02	n		3.7E+04	n	>S						
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	5.0E+03	n		6.7E+02	n		6.7E+04	n	>S					5.0E+03	n		3.3E+02	n		3.3E+04	n	>S						
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	3.2E+01	n		1.5E-01	n		1.5E+01	n	6.3E+01	n	4.8E+03	n	>S	2.2E+01	n		7.6E-02	n		7.6E+00	n	3.2E+01	n	3.1E+02	n			
Chlorophenol, 2-	95-57-8	4.1E+02	n		1.6E+00	n		1.6E+02	n						4.1E+02	n		8.2E-01	n		8.2E+01	n							
Chlorophenol, 3-	108-43-0	3.3E+02	n		7.8E-01	n		7.8E+01	n						3.3E+02	n		3.9E-01	n		3.9E+01	n							
Chlorophenol, 4-	106-48-9	3.3E+02	n		8.4E-01	n		8.4E+01	n						3.3E+02	n		4.2E-01	n		4.2E+01	n							
Chlorophenyl phenylether, 4-	7005-72-3	1.6E-01	c		3.2E-02	c		3.2E+00	c	2.5E+00	c	6.5E+02	c		1.5E-01	c		1.6E-02	c		1.6E+00	c	1.3E+00	c	4.2E+01	c			
Chloropropane, 2-	75-29-6	9.4E+02	n		5.4E+00	n		5.4E+02	n	1.5E+03	n	3.5E+03	n		6.0E+02	n		2.7E+00	n		2.7E+02	n	7.9E+02	n	2.2E+02	n			
Chlorothalonil	1897-45-6	4.3E+02	c		8.1E+00	c		8.1E+02	c						4.3E+02	c		4.1E+00	c		4.1E+02	c							
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	1.2E+03	n		9.1E+00	n		9.1E+02	n	1.3E+04	n	4.4E+05	n	>S	1.1E+03	n		4.5E+00	n		4.5E+02	n	6.8E+03	n	2.8E+04	n	>S		
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	1.6E+03	n		1.1E+01	n		1.1E+03	n						1.6E+03	n		5.4E+00	n		5.4E+02	n							
Chlorpyrifos	2921-88-2	1.3E+02	n		1.5E+01	n		1.5E+03	n	>S					1.3E+02	n		7.4E+00	n		7.4E+02	n	>S						
Chromium (III)	16065-83-1	3.3E+04	n		2.4E+03	m	>S	2.4E+05	m	>S					2.7E+04	n		1.2E+03	m	>S	1.2E+05	m	>S						
Chromium (total)																													

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area														
Chemical of Concern	CAS	Tot Soil ² Comb note		GW Soil ³ Ing note3		Class3 (mg/kg) note3		Air Soil ⁴ Inh note3		Air GW- Soil ⁵ Inh-V note3		GW Soil for Secondary MCL (mg/kg)	Tot Soil ² Comb note		GW Soil ³ Ing note3		Class3 (mg/kg) note3		Air Soil ⁴ Inh note3		Air GW- Soil ⁵ Inh-V note3		GW Soil for Secondary MCL (mg/kg)				
		(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	3	(mg/kg)	note3		(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	3	(mg/kg)	note3					
Coronene	191-07-1	1.3E+02	n	5.6E+04	n	>S	1.0E+06	n	>S				1.3E+02	n	2.8E+04	n	>S	1.0E+06	n	>S							
Coumaphos	56-72-4	4.3E+02	n	1.1E+02	n		1.1E+04	n	>S				4.3E+02	n	5.5E+01	n		5.5E+03	n	>S							
Cresol	1319-77-3	3.3E+03	n	6.6E+00	n		6.6E+02	n					3.3E+03	n	3.3E+00	n		3.3E+02	n								
Cresol, m- (3-methylphenol)	108-39-4	3.3E+03	n	6.6E+00	n		6.6E+02	n					3.3E+03	n	3.3E+00	n		3.3E+02	n								
Cresol, o- (2-methylphenol)	95-48-7	3.3E+03	n	7.1E+00	n		7.1E+02	n					3.3E+03	n	3.6E+00	n		3.6E+02	n								
Cresol, p- (4-methylphenol)	106-44-5	3.3E+02	n	6.3E-01	n		6.3E+01	n					3.3E+02	n	3.2E-01	n		3.2E+01	n								
Crotonaldehyde	123-73-9	3.2E+00	c	9.5E-04	c		9.5E-02	c					3.2E+00	c	4.8E-04	c		4.8E-02	c								
Cumene (isopropylbenzene)	98-82-8	4.3E+03	n	3.5E+02	n		3.5E+04	n	>S	9.2E+03	n	6.2E+05	n	>S	3.0E+03	n	1.7E+02	n	1.7E+04	n	>S	4.8E+03	n	4.0E+04	n	>S	
Cyanazine	21725-46-2	5.6E+00	c	4.2E-03	c		4.2E-01	c					5.6E+00	c	2.1E-03	c		2.1E-01	c								
Cyanide	57-12-5	4.8E+01	n	4.0E+01	m		4.0E+03	m					4.8E+01	n	2.0E+01	m		2.0E+03	m								
Cyanogen	460-19-5	1.1E+01	n	6.1E-02	n		6.1E+00	n		1.2E+01	n	1.8E+01	n		5.9E+00	n	3.0E-02	n	3.0E+00	n		6.3E+00	n	1.2E+00	n		
Cycloate	1134-23-2	3.7E+03	n	1.5E+02	n		1.5E+04	n	>S				3.7E+03	n	7.6E+01	n		7.6E+03	n	>S							
Cyclohexane	110-82-7	7.5E+04	n	5.9E+03	n	>S	5.9E+05	n	>S	9.2E+04	n	2.9E+05	n	>S	4.2E+04	n	2.9E+03	n	>S	2.9E+05	n	>S	4.7E+04	n	1.8E+04	n	>S
Cyclohexanol	108-93-0	3.3E+05	n	2.9E+02	n	>S	2.9E+04	n	>S				3.3E+05	n	1.5E+02	n	>S	1.5E+04	n	>S							
Cyclohexanone	108-94-1	3.2E+04	n	2.6E+02	n		2.6E+04	n		3.5E+04	n	1.0E+06	n	>S	1.7E+04	n	1.3E+02	n	1.3E+04	n		1.8E+04	n	1.9E+05	n	>S	
Cyclohexene, 4-ethenyl (4-vinylcyclohexene)	100-40-3	1.3E+03	n	3.1E+01	n		3.1E+03	n	>S	5.1E+03	n	6.2E+04	n	>S	1.1E+03	n	1.5E+01	n	1.5E+03	n	>S	2.6E+03	n	4.0E+03	n	>S	
Cyclohexene-1-methanol, 3-	1679-51-2	1.6E+03	n	3.8E+00	n		3.8E+02	n					1.6E+03	n	1.9E+00	n		1.9E+02	n								
Cyclopentane	287-92-3	4.8E+03	n	2.8E+01	n		2.8E+03	n		3.7E+05	n	7.0E+05	n	>S	4.8E+03	n	1.4E+01	n	1.4E+03	n		1.9E+05	n	4.6E+04	n	>S	
Cyclopentane, methyl-	96-37-7	5.3E+03	n	1.4E+02	n		1.4E+04	n	>S	1.5E+04	n	3.8E+04	n	>S	4.0E+03	n	6.8E+01	n	6.8E+03	n	>S	7.9E+03	n	2.5E+03	n	>S	
Cyclopentene	142-29-0	4.1E+05	n	1.1E+03	n		1.1E+05	n	>S				4.1E+05	n	5.3E+02	n		5.3E+04	n	>S							
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	1.6E+03	n	2.3E+00	n		2.3E+02	n					1.6E+03	n	1.2E+00	n		1.2E+02	n								
Cyclotrimethylenetrinitramine (RDX)	121-82-4	4.3E+01	c	3.7E-02	c		3.7E+00	c					4.3E+01	c	1.8E-02	c		1.8E+00	c								
Cymene (isopropyltoluene)	99-87-6	8.2E+03	n	2.3E+02	n		2.3E+04	n	>S				8.2E+03	n	1.2E+02	n		1.2E+04	n	>S							
Cymoxanil	57966-95-7	8.7E+02	n	6.1E-01	n		6.1E+01	n					8.7E+02	n	3.0E-01	n		3.0E+01	n								
Dacthal (DCPA)	1861-32-1	6.2E+02	n	4.5E+02	n	>S	4.5E+04	n	>S				6.2E+02	n	2.3E+02	n	>S	2.3E+04	n	>S							
Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E+03	n	5.8E-01	m		5.8E+01	m					2.0E+03	n	2.9E-01	m		2.9E+01	m								
DDD	72-54-8	1.4E+01	c	1.3E+01	c		1.3E+03	c	>S				1.4E+01	c	6.5E+00	c		6.5E+02	c	>S							
DDE	72-55-9	1.0E+01	c	1.2E+01	c		1.2E+03	c	>S				1.0E+01	c	5.9E+00	c		5.9E+02	c	>S							
DDT	50-29-3	5.4E+00	c	1.5E+01	c		1.5E+03	c	>S	1.2E+03	c	1.0E+06	c	>S	5.4E+00	c	7.4E+00	c	7.4E+02	c	>S	6.2E+02	c	2.2E+05	c	>S	
Demeton	8065-48-3	2.7E+00	n	1.2E-02	n		1.2E+00	n					2.7E+00	n	6.2E-03	n		6.2E-01	n								
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	2.7E+03	n	1.9E+00	n		1.9E+02	n					2.7E+03	n	9.7E-01	n		9.7E+01	n								
Diallate	2303-16-4	3.8E+01	c	1.2E+00	c		1.2E+02	c					3.8E+01	c	5.8E-01	c		5.8E+01	c								
Diazinon	333-41-5	3.1E+01	n	1.6E-01	n		1.6E+01	n		6.5E+01	n	2.9E+04	n	>S	2.1E+01	n	7.9E-02	n	7.9E+00	n		3.3E+01	n	1.9E+03	n	>S	
Dibenz(a,h)acridine	226-36-8	3.7E+00	c	5.8E+01	c	>S	5.8E+03	c	>S	1.5E+04	c	1.0E+06	c	>S	3.7E+00	c	2.9E+01	c	>S	2.9E+03	c	>S	7.9E+03	c	1.0E+06	c	>S
Dibenz(a,j)acridine	224-42-0	5.8E+00	c	1.1E+02	c	>S	1.1E+04	c	>S	2.1E+04	c	1.0E+06	c	>S	5.8E+00	c	5.6E+01	c	>S	5.6E+03	c	>S	1.1E+04	c	1.0E+06	c	>S
Dibenz-a,h-anthracene	53-70-3	5.5E-01	c	1.5E+01	c		1.5E+03	c	>S	2.0E+03	c	1.0E+06	c	>S	5.5E-01	c	7.6E+00	c		7.6E+02	c	>S	1.0E+03	c	1.0E+06	c	>S
Dibenzo(a,e)pyrene	192-65-4	6.1E-01	c	1.3E+02	c	>S	1.3E+04	c	>S	7.2E+03	c	1.0E+06	c	>S	6.1E-01	c	6.5E+01	c	>S	6.5E+03	c	>S	3.7E+03	c	1.0E+06	c	>S
Dibenzo(a,h)pyrene	189-64-0	6.1E-02	c	1.2E+01	c		1.2E+03	c	>S	7.0E+02	c	1.0E+06	c	>S	6.1E-02	c	6.0E+00	c		6.0E+02	c	>S	3.6E+02	c	1.0E+06	c	>S
Dibenzo(a,i)pyrene	189-55-9	6.1E-02	c	1.2E+01	c		1.2E+03	c	>S	7.0E+02	c	1.0E+06	c	>S	6.1E-02	c	6.0E+00	c		6.0E+02	c	>S	3.6E+02	c	1.0E+06	c	>S
Dibenzofuran	132-64-9	2.7E+02	n	3.3E+01	n		3.3E+03	n	>S				2.7E+02	n	1.7E+01	n		1.7E+03	n	>S							
Dibenzothiophene	132-65-0	1.9E+02	n	1.0E+02	n		1.0E+04	n	>S				1.9E+02	n	5.0E+01	n		5.0E+03	n	>S							
Dibromo-3-chloropropane, 1,2-	96-12-8	1.5E-01	c	1.7E-03	m		1.7E-01	m		1.6E-01	c	5.4E+00	c		8.0E-02	c	8.7E-04	m		8.7E-02	m		8.1E-02	c	3.5E-01	c	
Dibromochloromethane (chlorodibromomethane)	124-48-1	7.2E+01	c	4.9E-02	c		4.9E+00	c					7.2E+01	c	2.5E-02	c		2.5E+00	c								
Dibromofluoromethane	1868-53-7	1.6E+04	n	1.6E+01	n		1.6E+03	n					1.6E+04	n	7.8E+00	n		7.8E+02	n								
Dicamba	1918-00-9	2.0E+03	n	1.5E+00	n		1.5E+02	n					2.0E+03	n	7.3E-01	n		7.3E+01	n								
Dichlormid	37764-25-3	1.7E+03	n	2.6E+00	n		2.6E+02	n					1.7E+03	n	1.3E+00	n		1.3E+02	n								
Dichloro-2-butene, 1,4-	764-41-0	2.0E-01	c							2.0E-01	c	6.2E+00	c		1.0E-01	c					1.0E-01	c		4.0E-01	c		
Dichloro-2-butene, 1,4- trans	110-57-6	2.0E-01	c							2.0E-01	c	6.6E+00	c		1.1E-01	c					1.1E-01	c		4.3E-01	c		
Dichlorobenzene, 1,2-	95-50-1	7.2E+02	n	1.8E+01	m		1.8E+03	m		8.0E+02	n	3.5E+04	n	>S	3.9E+02	n	8.9E+00	m		8.9E+02	m		4.1E+02	n	2.2E+03	n	
Dichlorobenzene, 1,3-	541-73-1	1.2E+02	n	6.7E+00	n		6.7E+02	n		1.2E+02	n	1.7E+03	n	>S	6.2E+01	n	3.4E+00	n		3.4E+02	n		6.3E+01	n	1.1E+02	n	
Dichlorobenzene, 1,4-	106-46-7	2.5E+02	c	2.1E+00	m		2.1E+02	m		2.4E+03	n	1.0E+05	n	>S	2.5E+02	c	1.1E+00	m									

Table 1 - Page 4

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area											
Chemical of Concern	CAS	Tot ² Soil ²	note ³	GW ² Soil ²	note ³	GW ² Soil ²	note ³	Air ⁴ Soil ⁴	note ³	Air ⁴ GW- Soil ⁴ Inh-V	note ³	GW ² Soil for Secondary MCL	Tot ² Soil ²	note ³	GW ² Soil ²	note ³	GW ² Soil ²	note ³	Air ⁴ Soil ⁴	note ³	Air ⁴ GW- Soil ⁴ Inh-V	note ³	GW ² Soil for Secondary MCL	
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Dichloroethylene, 1,1-	75-35-4	2.3E+03	n	5.0E-02	m	5.0E+00	m	5.2E+03	n	1.2E+04	n		1.6E+03	n	2.5E-02	m	2.5E+00	m	2.7E+03	n	7.7E+02	n		
Dichloroethylene, cis-1,2-	156-59-2	1.4E+02	n	2.5E-01	m	2.5E+01	m	9.2E+02	n	4.4E+03	n		1.2E+02	n	1.2E-01	m	1.2E+01	m	4.7E+02	n	2.8E+02	n		
Dichloroethylene, trans-1,2	156-60-5	5.9E+02	n	4.9E-01	m	4.9E+01	m	9.2E+02	n	3.8E+03	n		3.7E+02	n	2.5E-01	m	2.5E+01	m	4.7E+02	n	2.4E+02	n		
Dichlorofluoromethane	75-43-4	1.6E+04	n	1.4E+01	n	1.4E+03	n						1.6E+04	n	7.1E+00	n	7.1E+02	n						
Dichlorophenol, 2,3-	576-24-9	2.0E+02	n	5.4E-01	n	5.4E+01	n						2.0E+02	n	2.7E-01	n	2.7E+01	n						
Dichlorophenol, 2,4-	120-83-2	2.0E+02	n	3.5E-01	n	3.5E+01	n						2.0E+02	n	1.8E-01	n	1.8E+01	n						
Dichlorophenol, 2,5-	583-78-8	2.0E+02	n	5.0E-01	n	5.0E+01	n						2.0E+02	n	2.5E-01	n	2.5E+01	n						
Dichlorophenol, 2,6-	87-65-0	6.7E+01	n	6.9E-02	n	6.9E+00	n						6.7E+01	n	3.4E-02	n	3.4E+00	n						
Dichlorophenol, 3,4-	95-77-2	2.0E+02	n	2.0E+00	n	2.0E+02	n						2.0E+02	n	1.0E+00	n	1.0E+02	n						
Dichlorophenol, 3,5-	591-35-5	2.0E+02	n	1.3E+00	n	1.3E+02	n						2.0E+02	n	6.6E-01	n	6.6E+01	n						
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	5.3E+02	n	3.9E-01	n	3.9E+01	n						5.3E+02	n	1.9E-01	n	1.9E+01	n						
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	7.3E+02	n	2.6E+00	m	2.6E+02	m						7.3E+02	n	1.3E+00	m	1.3E+02	m						
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	6.7E+02	n	4.7E-01	n	4.7E+01	n						6.7E+02	n	2.3E-01	n	2.3E+01	n						
Dichloropropane, 1,2-	78-87-5	6.1E+01	n	2.3E-02	m	2.3E+00	m	6.1E+01	n	5.3E+02	n		3.1E+01	n	1.1E-02	m	1.1E+00	m	3.2E+01	n	3.4E+01	n		
Dichloropropane, 1,3-	142-28-9	3.6E+01	c	6.4E-02	c	6.4E+00	c	9.0E+01	c	1.8E+03	c		2.6E+01	c	3.2E-02	c	3.2E+00	c	4.6E+01	c	1.2E+02	c		
Dichloropropane, 2,2-	594-20-7	6.1E+01	n	1.2E-01	c	1.2E+01	c	6.1E+01	n	5.1E+02	n		3.1E+01	n	6.0E-02	c	6.0E+00	c	3.2E+01	n	3.3E+01	n		
Dichloropropanol, 2,3-	616-23-9	2.0E+02	n	2.4E-01	n	2.4E+01	n						2.0E+02	n	1.2E-01	n	1.2E+01	n						
Dichloropropene, 1,1-	563-58-6	3.6E+01	c	1.3E-01	c	1.3E+01	c	9.0E+01	c	2.8E+02	c		2.6E+01	c	6.7E-02	c	6.7E+00	c	4.6E+01	c	1.8E+01	c		
Dichloropropene, 1,3- (mixed isomers)	542-75-6	3.6E+01	c	3.9E-02	c	3.9E+00	c	9.0E+01	c	7.7E+02	c		2.6E+01	c	2.0E-02	c	2.0E+00	c	4.6E+01	c	5.0E+01	c		
Dichloropropene, cis 1,3-	10061-01-5	8.0E+00	n	6.6E-03	c	6.6E-01	c	3.1E+02	n	2.7E+03	n		7.8E+00	n	3.3E-03	c	3.3E-01	c	1.6E+02	n	1.8E+02	n		
Dichloropropene, trans 1,3-	10061-02-6	3.6E+01	c	3.6E-02	c	3.6E+00	c	9.0E+01	c	7.5E+02	c		2.6E+01	c	1.8E-02	c	1.8E+00	c	4.6E+01	c	4.8E+01	c		
Dichlorvos	62-73-7	1.6E+01	c	4.9E+05	c	1.0E+06	c	1.0E+06	n	1.0E+06	n		1.6E+01	c	2.4E+05	c	1.0E+06	c	6.2E+05	n	1.0E+06	n		
Dicrotophos (bidrin)	141-66-2	6.7E+00	n	4.7E-03	n	4.7E-01	n						6.7E+00	n	2.3E-03	n	2.3E-01	n						
Dicyclopentadiene	77-73-6	6.6E+02	n		n		n						6.6E+02	n		n		n						
Dieldrin	60-57-1	1.5E-01	c	4.9E-02	c	4.9E+00	c	3.2E+01	c	1.1E+05	c	>S	1.5E-01	c	2.4E-02	c	2.4E+00	c	1.6E+01	c	7.0E+03	c	>S	
Diethanolamine	111-42-2	3.3E+01	n	2.3E-02	n	2.3E+00	n						3.3E+01	n	1.2E-02	n	1.2E+00	n						
Diethyl phthalate	84-66-2	5.3E+04	n	1.6E+02	n	1.6E+04	n	>S					5.3E+04	n	7.8E+01	n	7.8E+03	n	>S					
Diethylene glycol	111-46-6	1.3E+05	n	9.4E+01	n	9.4E+03	n						1.3E+05	n	4.7E+01	n	4.7E+03	n						
Diethylene glycol monobutyl ether	112-34-5	2.0E+01	n	1.6E+00	n	1.6E+02	n	2.0E+01	n	6.9E+03	n		1.0E+01	n	7.8E-01	n	7.8E+01	n	1.0E+01	n	4.4E+02	n		
Diethylhexyl adipate	103-23-1	3.9E+03	c	6.1E+03	m	>S	6.1E+05	m	>S				3.9E+03	c	3.0E+03	m	>S	3.0E+05	m	>S				
Diethylstilbestrol	56-53-1	7.1E-04	c	5.8E-04	c	5.8E-02	c						7.1E-04	c	2.9E-04	c	2.9E-02	c						
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	1.9E+03	n	6.1E+02	n	6.1E+04	n	>S	3.1E+03	n	9.5E+03	n	>S	1.2E+03	n	3.0E+02	n	3.0E+04	n	>S	1.6E+03	n	6.1E+02	n
Diisopropylbenzene, p-	100-18-5	8.2E+02	n	9.5E+01	n	9.5E+03	n	>S					8.2E+02	n	4.7E+01	n	4.7E+03	n	>S					
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	4.6E+03	n	1.2E+01	n	1.2E+03	n	1.1E+04	n	9.6E+04	n	>S	3.3E+03	n	6.0E+00	n	6.0E+02	n	5.5E+03	n	6.2E+03	n		
Dimethenamid	87674-68-8	1.0E+03	n	1.0E+00	n	1.0E+02	n						1.0E+03	n	5.2E-01	n	5.2E+01	n						
Dimethoate	60-51-5	1.3E+01	n	1.0E-02	n	1.0E+00	n						1.3E+01	n	5.1E-03	n	5.1E-01	n						
Dimethoxybenzidine, 3,3'-	119-90-4	3.4E+02	c	2.8E-01	c	2.8E+01	c						3.4E+02	c	1.4E-01	c	1.4E+01	c						
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.3E+02	n	3.8E-01	n	3.8E+01	n						1.3E+02	n	1.9E-01	n	1.9E+01	n						
Dimethyl phenol, 2,4-	105-67-9	1.3E+03	n	3.2E+00	n	3.2E+02	n						1.3E+03	n	1.6E+00	n	1.6E+02	n						
Dimethylaminoazobenzene, p-	60-11-7	6.4E-01	n	1.1E+00	n	1.1E+02	n						6.4E-01	n	5.6E-01	n	5.6E+01	n						
Dimethylbenz-a-anthracene, 7,12-	57-97-6	1.7E-02	c	1.2E+00	c	1.2E+02	c	1.4E+02	c	1.0E+06	c	>S	1.7E-02	c	6.2E-01	c	6.2E+01	c	7.3E+01	c	7.3E+05	c	>S	
Dimethylbenzidine, 3,3'-	119-93-7	4.3E-01	c	8.2E-04	c	8.2E-02	c						4.3E-01	c	4.1E-04	c	4.1E-02	c						
Dimethylnaphthalene, 1,3-	575-41-7	2.3E+03	n	7.9E+02	n	7.9E+04	n	>S					2.3E+03	n	3.9E+02	n	3.9E+04	n	>S					
Dimethylphthalate	131-11-3	5.3E+04	n	6.2E+01	n	6.2E+03	n						5.3E+04	n	3.1E+01	n	3.1E+03	n						
Di-n-butyl phthalate	84-74-2	6.2E+03	n	3.3E+03	n	3.3E+05	n	>S					6.2E+03	n	1.7E+03	n	1.7E+05	n	>S					
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	6.7E+00	n	4.7E-03	n	4.7E-01	n						6.7E+00	n	2.3E-03	n	2.3E-01	n						
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	6.7E+00	n	7.6E-03	n	7.6E-01	n						6.7E+00	n	3.8E-03	n	3.8E-01	n						
Dinitrobenzene, 1,4-	100-25-4	6.7E+00	n	7.2E-03	n	7.2E-01	n						6.7E+00	n	3.6E-03	n	3.6E-01	n						
Dinitrophenol, 2,4-	51-28-5	1.3E+02	n	9.4E-02	n	9.4E+00	n						1.3E+02	n	4.7E-02	n	4.7E+00	n						
Dinitrophenol, 2,5-	329-71-5	1.3E+02	n	9.6E-02	n	9.6E+00	n						1.3E+02	n	4.8E-02	n	4.8E+00	n						
Dinitrotoluene, 2,4-	121-14-2	6.9E+00	c	5.3E-03	c	5.3E-01	c						6.9E+00	c	2.7E-03	c	2.7E-01	c						
Dinitrotoluene, 2,6-	606-20-2	6.9E+00	c	4.8E-03	c	4.8E-01	c						6.9E+00	c	2.4E-03	c	2.4E-01	c						
Di-n-octyl phthalate	117-84-0	2.6E+03	n	1.0E+06	n	>S	1.0E+06	n	>															

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area										30 acre source area																															
		Soil ² Comb		note 3		GW ¹ Soil _{ing}		Class3 (mg/kg)		note3		Air ⁴ Soil _{Inh-V} (mg/kg)		note 3		Air ⁴ GW- Soil _{Inh-V} (mg/kg)		note3		GW ¹ Soil for Secondary MCL (mg/kg)		Tot ² Soil _{Comb} (mg/kg)		note 3		GW ¹ Soil _{ing} (mg/kg)		note3		GW ¹ Soil _{Class3} (mg/kg)		note3		Air ⁴ Soil _{Inh-V} (mg/kg)		note 3		Air ⁴ GW- Soil _{Inh-V} (mg/kg)		note3		GW ¹ Soil for Secondary MCL (mg/kg)	
Chemical of Concern		CAS																																									
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)		1746-01-6		1.0E-03 n		1.7E-02 m		1.7E+00 m																1.0E-03 n		8.5E-03 m		8.5E-01 m															
Diphenyl ether		101-84-8		3.8E+02 n		9.2E+01 n		9.2E+03 n		>S														3.8E+02 n		4.6E+01 n		4.6E+03 n		>S													
Diphenylamine		122-39-4		1.7E+03 n		9.6E+00 n		9.6E+02 n																1.7E+03 n		4.8E+00 n		4.8E+02 n															
Diphenylhydrazine, 1,2-		122-66-7		5.6E+00 c		3.2E-02 c		3.2E+00 c		1.4E+02 c		1.1E+05 c		>S										5.4E+00 c		1.6E-02 c		1.6E+00 c		7.2E+01 c		7.0E+03 c											
Dipropylene glycol		110-98-5		8.0E+03 n		5.7E+00 n		5.7E+02 n																8.0E+03 n		2.8E+00 n		2.8E+02 n															
Diquat		85-00-7		1.5E+02 n		2.0E-01 m		2.0E+01 m																1.5E+02 n		1.0E-01 m		1.0E+01 m															
Disodium iminodiacetate (iminodiacetic acid, disodium		142-73-4		6.7E+02 n		4.7E-01 n		4.7E+01 n																6.7E+02 n		2.3E-01 n		2.3E+01 n															
Disodium iminodiacetate (iminodiacetic acid, disodium		928-72-3		6.7E+02 n		4.7E-01 n		4.7E+01 n																6.7E+02 n		2.3E-01 n		2.3E+01 n															
Disulfoton		298-04-4		2.7E+00 n		3.5E-01 n		3.5E+01 n																2.7E+00 n		1.8E-01 n		1.8E+01 n															
Diuron		330-54-1		1.3E+02 n		9.3E-01 n		9.3E+01 n																1.3E+02 n		4.6E-01 n		4.6E+01 n															
Dodecylphenol, 4-		27193-86-8		3.3E+03 n		1.0E+06 n		>S		1.0E+06 n		>S												3.3E+03 n		1.0E+06 n		>S		1.0E+06 n		>S											
Dodecylphenol, 4-		104-43-8		3.3E+03 n		1.0E+06 n		>S		1.0E+06 n		>S												3.3E+03 n		1.0E+06 n		>S		1.0E+06 n		>S											
Endosulfan		115-29-7		4.0E+02 n		4.6E+00 n		4.6E+02 n		>S														4.0E+02 n		2.3E+00 n		2.3E+02 n		>S													
Endosulfan I		959-98-8		9.1E+01 n		3.1E+01 n		3.1E+03 n		>S														9.1E+01 n		1.5E+01 n		1.5E+03 n		>S													
Endosulfan II		33213-65-9		2.7E+02 n		9.2E+01 n		9.2E+03 n		>S														2.7E+02 n		4.6E+01 n		4.6E+03 n		>S													
Endosulfan sulfate		1031-07-8		3.8E+02 n		4.7E+03 n		>S		4.7E+05 n		>S												3.8E+02 n		2.3E+03 n		>S		2.3E+05 n		>S											
Endothall		145-73-3		1.3E+03 n		5.3E-01 m		5.3E+01 m																1.3E+03 n		2.7E-01 m		2.7E+01 m															
Endrin		72-20-8		9.0E+00 n		7.5E-01 m		7.5E+01 m																9.0E+00 n		3.8E-01 m		3.8E+01 m															
Endrin aldehyde		7421-93-4		1.9E+01 n		6.3E+02 n		6.3E+04 n		>S														1.9E+01 n		3.1E+02 n		3.1E+04 n		>S													
Endrin ketone		53494-70-5		1.9E+01 n		5.1E+01 n		5.1E+03 n																1.9E+01 n		2.5E+01 n		2.5E+03 n															
Epichlorohydrin		106-89-8		2.5E+01 n		1.8E-01 c		1.8E+01 c		2.6E+01 n		1.4E+03 n												1.3E+01 n		9.2E-02 c		9.2E+00 c		1.4E+01 n		9.1E+01 n											
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate		2104-64-5		6.7E-01 n		5.5E-02 n		5.5E+00 n																6.7E-01 n		2.7E-02 n		2.7E+00 n															
Esfenvalerate		66230-04-4		7.4E+01 n		1.2E+02 n		>S		1.2E+04 n		>S												7.4E+01 n		6.2E+01 n		>S		6.2E+03 n		>S											
Ethalfuralin (sonolan)		55283-68-6		4.7E+01 c		2.5E+01 c		2.5E+03 c																4.7E+01 c		1.2E+01 c		1.2E+03 c															
Ethanol		64-17-5		1.0E+06 n		1.6E+03 n		1.6E+05 n																1.0E+06 n		7.9E+02 n		7.9E+04 n															
Ethanol, 2-amino-		141-43-5		1.4E+02 n		8.0E-02 n		8.0E+00 n																1.4E+02 n		4.0E-02 n		4.0E+00 n															
Ethanol, 2-(2-aminoethoxy)-		929-06-6		4.1E+01 n		2.3E-02 n		2.3E+00 n																4.1E+01 n		1.2E-02 n		1.2E+00 n															
Ethanol, 2-(2-ethoxyethoxy)-		111-90-0		1.6E+05 n		1.6E+02 n		1.6E+04 n																1.6E+05 n		8.2E+01 n		8.2E+03 n															
Ethanol, 2-(methylamino)-		109-83-1		1.1E+03 n		7.5E-01 n		7.5E+01 n		6.4E+03 n		1.0E+06 n												9.4E+02 n		3.8E-01 n		3.8E+01 n		3.3E+03 n		1.3E+05 n											
Ethion		563-12-2		2.7E+01 n		7.6E+00 n		7.6E+02 n		>S														2.7E+01 n		3.8E+00 n		3.8E+02 n		>S													
Ethoprop		13194-48-4		6.7E+00 n		1.2E-01 n		1.2E+01 n																6.7E+00 n		6.2E-02 n		6.2E+00 n															
Ethoxy ethanol, 2-		110-80-5		2.8E+03 n		7.1E+01 n		7.1E+03 n		>S		3.1E+03 n		3.6E+03 n		>S								1.5E+03 n		3.6E+01 n		3.6E+03 n		>S		1.6E+03 n		2.3E+02 n		>S							
Ethyl acetate		141-78-6		7.4E+04 n		4.7E+01 n		4.7E+03 n																7.4E+04 n		2.4E+01 n		2.4E+03 n															
Ethyl acrylate		140-88-5		1.3E+02 c		1.2E-01 c		1.2E+01 c																1.3E+02 c		5.9E-02 c		5.9E+00 c															
Ethyl benzene		100-41-4		6.4E+03 n		7.6E+00 m		7.6E+02 m		2.9E+04 n		3.2E+05 n		>S										5.3E+03 n		3.8E+00 m		3.8E+02 m		1.5E+04 n		2.1E+04 n		>S									
Ethyl dipropylthiocarbamate, S-		759-94-4		1.7E+03 n		7.0E+00 n		7.0E+02 n																1.7E+03 n		3.5E+00 n		3.5E+02 n															
Ethyl ether		60-29-7		1.6E+04 n		1.1E+01 n		1.1E+03 n																1.6E+04 n		5.6E+00 n		5.6E+02 n															
Ethyl methacrylate		97-63-2		3.6E+03 n		7.5E+00 n		7.5E+02 n		7.1E+03 n		1.9E+05 n		>S										2.4E+03 n		3.8E+00 n		3.8E+02 n		3.6E+03 n		1.3E+04 n											
Ethyl methanesulfonate		62-50-0		3.4E+01 c		1.8E-02 c		1.8E+00 c		1.2E+02 c		3.6E+04 c												2.7E+01 c		8.9E-03 c		8.9E-01 c		6.1E+01 c		2.3E+03 c											
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)		637-92-3		8.0E+01 n		8.9E-02 n		8.9E+00 n		4.6E+03 n		4.0E+04 n		>S										7.9E+01 n		4.5E-02 n		4.5E+00 n		2.4E+03 n		2.6E+03 n											
Ethyl-1-hexanol, 2-		104-76-7		1.0E+04 n		7.6E+01 n		7.6E+03 n																1.0E+04 n		3.8E+01 n		3.8E+03 n															
Ethyl-2-hexenal, 2-		645-62-5		1.2E+04 n		2.8E+01 n		2.8E+03 n																1.2E+04 n		1.4E+01 n		1.4E+03 n															
Ethyl-2-methyl benzene, 1-		611-14-3		2.8E+03 n		5.6E+01 n		5.6E+03 n		>S		8.4E+03 n		4.2E+05 n		>S								2.1E+03 n		2.8E+01 n		2.8E+03 n		>S		4.3E+03 n		2.7E+04 n		>S							
Ethyl-4-methyl benzene, 1-		622-96-8		2.6E+03 n		6.0E+01 n		6.0E+03 n		>S		7.2E+03 n		3.4E+05 n		>S								1.9E+03 n		3.0E+01 n		3.0E+03 n		>S		3.7E+03 n		2.2E+04 n		>S							
Ethylene*		74-85-1																																									
Ethylene dibromide (dibromoethane, 1,2-)		106-93-4		7.3E-01 c		2.1E-04 m		2.1E-02 m		9.7E-01 c		2.3E+01 c												4.3E-01 c		1.0E-04 m		1.0E-02 m		5.0E-01 c		1.5E+00 c											
Ethylene glycol		107-21-1		1.3E+05 n		9.4E+01 n		9.4E+03 n																1.3E+05 n		4.7E+01 n		4.7E+03 n															
Ethylene oxide		75-21-8		2.2E+00 c		1.8E-03 c		1.8E-01 c		3.6E+00 c		8.4E+01 c												1.4E+00 c		9.0E-04 c		9.0E-02 c		1.8E+00 c		5.5E+00 c											
Ethylene thiourea		96-45-7		5.3E+00 n		3.8E-03 n		3.8E-01 n																5.3E+00 n		1.9E-03 n		1.9E-01 n															
Ethylenediamine		107-15-3		7.4E+03 n		4.6E+00 n		4.6E+02 n																7.4E+03 n		2.3E+00 n		2.3E+02 n															
Ethylenimine		151-56-4		5.5E-02 c		2.8E-05 c		2.8E-03 c		1.3E-01 c		2.8E+01 c												3.9E-02 c		1.4E-05 c		1.4E-03 c		6.8E-02 c		1.8E+00 c											
Ethylhexyl acrylate, 2-		103-11-7		9.8E+01 c		7.7E+00 c		7.7E+02 c																9.8E+01 c		3.																	

Tier 1 Residential Soil PCLs¹

		0.5 acre source area											30 acre source area																													
		Soil ² Comb		note		Soil ³ mg		Class3 (mg/kg)		note3		Air ⁴ Soil ⁵ mg		note		Air ⁶ Soil ⁷ mg		note3		Soil for Secondary MCL (mg/kg)		Soil ⁸ Comb		note		Soil ⁹ mg		Class3 (mg/kg)		note3		Air ¹⁰ Soil ¹¹ mg		note		Air ¹² Soil ¹³ mg		note3		Soil for Seconda MCL (mg/kg)		
Chemical of Concern		CAS																																								
Fluoranthene	206-44-0	2.3E+03	n	1.9E+03	n	>S	1.9E+05	n	>S				2.3E+03	n	9.6E+02	n	>S	9.6E+04	n	>S				2.3E+03	n	1.5E+02	n	1.5E+04	n	>S												
Fluorene	86-73-7	2.3E+03	n	3.0E+02	n		3.0E+04	n	>S				2.3E+03	n	1.5E+02	n		1.5E+04	n	>S				2.3E+03	n	1.5E+02	n	1.5E+04	n	>S												
Fluorine (soluble fluoride)	7782-41-4	4.8E+03	n		m			m					4.8E+03	n		m			m					4.8E+03	n		m			m												
Fluorochloridone	61213-25-0	5.0E+02	n	4.0E+00	n		4.0E+02	n					5.0E+02	n	2.0E+00	n		2.0E+02	n					5.0E+02	n	2.0E+00	n	2.0E+02	n													
Fonofos	944-22-9	1.3E+02	n	7.1E+00	n		7.1E+02	n					1.3E+02	n	3.6E+00	n		3.6E+02	n					1.3E+02	n	3.6E+00	n	3.6E+02	n													
Formaldehyde	50-00-0	9.3E+02	n	9.8E+00	n		9.8E+02	n		9.9E+02	n	1.7E+05	n					4.9E+02	n	4.9E+00	n			4.9E+02	n	4.9E+00	n	4.9E+02	n	5.1E+02	n	1.1E+04	n									
Formic acid	64-18-6	2.1E+02	n	4.2E+01	n		4.2E+03	n		2.1E+02	n	3.4E+04	n					1.1E+02	n	2.1E+01	n			2.1E+03	n	2.1E+01	n	2.1E+03	n	1.1E+02	n	2.2E+03	n									
Furan	110-00-9	8.2E+01	n	8.1E-02	n		8.1E+00	n					8.2E+01	n	4.1E-02	n		4.1E+00	n					8.2E+01	n	4.1E-02	n	4.1E+00	n													
Furfural	98-01-1	2.5E+02	n	1.5E-01	n		1.5E+01	n					2.5E+02	n	7.4E-02	n		7.4E+00	n					2.5E+02	n	7.4E-02	n	7.4E+00	n													
Glycidylaldehyde	765-34-4	2.7E+01	n	2.2E-02	n		2.2E+00	n		1.5E+02	n	3.3E+04	n					2.3E+01	n	1.1E-02	n			1.1E+00	n	1.1E-02	n	1.1E+00	n	7.7E+01	n	2.1E+03	n									
Glyphosate	1071-83-6	6.7E+03	n	2.9E+01	m		2.9E+03	m					6.7E+03	n	1.5E+01	m		1.5E+03	m					6.7E+03	n	1.5E+01	m	1.5E+03	m													
Heptachlor	76-44-8	1.3E-01	c	1.9E-01	m		1.9E+01	m		9.1E+00	c	3.0E+03	c	>S				1.3E-01	c	9.4E-02	m			9.4E+00	m	4.7E+00	c	1.9E+02	c	>S												
Heptachlor epoxide	1024-57-3	2.4E-01	c	5.8E-02	m		5.8E+00	m		2.4E+01	c	3.5E+04	c	>S				2.4E-01	c	2.9E-02	m			2.9E+00	m	1.2E+01	c	2.2E+03	c	>S												
Heptane, n-	142-82-5	4.8E+03	n	7.2E+02	n		7.2E+04	n	>S	2.8E+05	n	8.5E+05	n	>S				4.7E+03	n	3.6E+02	n			3.6E+04	n	>S	1.4E+05	n	5.5E+04	n	>S											
Heptanoic acid, n-	111-14-8	1.2E+02	n	2.4E+01	n		2.4E+03	n		1.2E+02	n	3.2E+04	n	>S				6.3E+01	n	1.2E+01	n			1.2E+03	n	6.3E+01	n	2.1E+03	n	>S												
Hexachlorobenzene	118-74-1	1.1E+00	c	1.1E+00	m		1.1E+02	m	>S	1.9E+01	c	6.4E+03	c	>S				1.0E+00	c	5.6E-01	m			5.6E+01	m	>S	9.8E+00	c	4.2E+02	c	>S											
Hexachlorobutadiene	87-68-3	2.0E+01	c	3.3E+00	c		3.3E+02	c		2.9E+01	c	2.5E+03	c	>S				1.2E+01	c	1.6E+00	c			1.6E+02	c	1.5E+01	c	1.6E+02	c													
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	2.6E-01	c	7.9E-03	c		7.9E-01	c		1.4E+01	c	8.4E+03	c	>S				2.5E-01	c	4.0E-03	c			4.0E-01	c	7.2E+00	c	5.4E+02	c	>S												
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	9.3E-01	c	2.9E-02	c		2.9E+00	c		7.2E+01	c	6.6E+04	c	>S				9.2E-01	c	1.4E-02	c			1.4E+00	c	3.7E+01	c	4.2E+03	c	>S												
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	2.9E+00	c	1.7E-01	c		1.7E+01	c		1.0E+02	c	1.2E+05	c	>S				2.9E+00	c	8.7E-02	c			8.7E+00	c	5.2E+01	c	8.0E+03	c	>S												
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.1E+00	c	9.2E-03	m		9.2E-01	m					1.1E+00	c	4.6E-03	m		4.6E-01	m					1.1E+00	c	4.6E-03	m	4.6E-01	m													
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.3E+00	c	5.0E-02	c		5.0E+00	c		8.9E+01	c	9.7E+04	c	>S				1.3E+00	c	2.5E-02	c			2.5E+00	c	4.6E+01	c	6.3E+03	c	>S												
Hexachlorocyclopentadiene	77-47-4	1.4E+01	n	1.9E+01	m		1.9E+03	m	>S	1.4E+01	n	2.1E+03	n	>S				7.2E+00	n	9.6E+00	m			9.6E+02	m	>S	7.3E+00	n	1.4E+02	n												
Hexachloroethane	67-72-1	4.6E+01	n	1.3E+00	n		1.3E+02	n		5.0E+03	n	5.5E+05	n	>S				4.6E+01	n	6.4E-01	n			6.4E+01	n	2.5E+03	n	3.6E+04	n	>S												
Hexachlorophene	70-30-4	2.0E+01	n	5.9E+03	n	>S	5.9E+05	n	>S				2.0E+01	n	2.9E+03	n	>S	2.9E+05	n	>S				2.0E+01	n	2.9E+03	n	>S														
Hexachloropropylene	1888-71-7	6.7E+01	n	1.0E+01	n		1.0E+03	n		9.9E+02	c	1.8E+05	c	>S				6.7E+01	n	5.2E+00	n			5.2E+02	n	5.1E+02	c	1.2E+04	c	>S												
Hexanal, 2-ethyl-	123-05-7	1.0E+04	n	2.6E+01	n		2.6E+03	n					1.0E+04	n	1.3E+01	n		1.3E+03	n					1.0E+04	n	1.3E+01	n	1.3E+03	n													
Hexane, n-	110-54-3	3.3E+03	n	2.0E+02	n		2.0E+04	n	>S	1.0E+04	n	5.3E+03	n	>S				2.5E+03	n	1.0E+02	n			1.0E+04	n	>S	5.3E+03	n	3.4E+02	n												
Hexanediamine, 1,6-	124-09-4	4.1E+02	n	2.5E-01	n		2.5E+01	n					4.1E+02	n	1.2E-01	n		1.2E+01	n					4.1E+02	n	1.2E-01	n	1.2E+01	n													
Hexanedinitrile	111-69-3	1.0E+02	n	6.8E-02	n		6.8E+00	n		9.8E+02	n	3.2E+05	n					9.3E+01	n	3.4E-02	n			3.4E+00	n	5.1E+02	n	2.1E+04	n													
Hexanediol, 1,6-	629-11-8	3.0E+05	n	2.6E+02	n		2.6E+04	n		1.0E+06	n	1.0E+06	n	>S				2.8E+05	n	1.3E+02	n			1.3E+04	n	1.0E+06	n	1.0E+06	n	>S												
Hexanoic acid	142-62-1	1.3E+02	n	3.0E+00	n		3.0E+02	n		1.4E+02	n	4.0E+04	n	>S				6.9E+01	n	1.5E+00	n			1.5E+02	n	7.0E+01	n	2.6E+03	n													
Hexanone, 2-	591-78-6	2.7E+02	n	3.2E-01	n		3.2E+01	n		8.3E+02	n	3.0E+04	n					2.1E+02	n	1.6E-01	n			1.6E+01	n	4.2E+02	n	2.0E+03	n													
Hexazinone	51235-04-2	2.2E+03	n	2.7E+00	n		2.7E+02	n					2.2E+03	n	1.4E+00	n		1.4E+02	n					2.2E+03	n	1.4E+00	n	1.4E+02	n													
Hexene, 1-	592-41-6	1.6E+03	n	7.4E+02	n		7.4E+04	n	>S	1.7E+03	n	3.1E+03	n	>S				8.4E+02	n	3.7E+02	n			3.7E+04	n	>S	8.7E+02	n	2.0E+02	n	3W	Ing										
Hexene, cis-2-	7688-21-3	1.6E+03	n	6.2E+02	n		6.2E+04	n	>S	1.7E+03	n	3.7E+03	n	>S				8.4E+02	n	3.1E+02	n			3.1E+04	n	>S	8.7E+02	n	2.4E+02	n	3W	Ing										
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	2.0E+04	n	1.5E+01	n		1.5E+03	n					2.0E+04	n	7.4E+00	n		7.4E+02	n					2.0E+04	n	7.4E+00	n	7.4E+02	n													
Hydrazine	302-01-2	3.8E-01	c	5.8E-04	c		5.8E-02	c		4.6E-01	c	9.8E+01	c					2.1E-01	c	2.9E-04	c			2.9E-02	c	2.4E-01	c	6.4E+00	c													
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)	1191-25-9	1.6E+02	n	3.0E+00	n		3.0E+02	n		1.6E+02	n	5.6E+04	n	>S				8.1E+01	n	1.5E+00	n			1.5E+02	n	8.3E+01	n	4.1E+03	n													
Hydrogen chloride (hydrochloric acid)*	7647-01-0																																									
Hydroquinone	123-31-9	7.8E+01	c	3.1E-02	c		3.1E+00	c					7.8E+01	c	1.6E-02	c		1.6E+00	c					7.8E+01	c	1.6E-02	c	1.6E+00	c													
Indene	95-13-6	1.0E+02	n	7.1E+00	n		7.1E+02	n		1.1E+02	n	4.0E+03	n					5.6E+01	n	3.6E+00	n			3.6E+02	n	5.8E+01	n	2.6E+02	n													
Indeno-1,2,3-cd-pyrene	193-39-6	5.7E+00	c	1.7E+02	c		1.7E+04	c	>S	2.5E+04	c	1.0E+06	c	>S				5.7E+00	c	8.7E+01	c																					

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area															
Chemical of Concern	CAS	Tot ^{Soil} Comb ²	note	3	GW ^{Soil} Ing	note3	Class3 (mg/kg)	note3	Air ^{Soil} Inh- V ⁴	note	3	Air ^{GW} Inh-V (mg/kg)	note3	GW ^{Soil} for Secondary MCL	Tot ^{Soil} Comb ²	note	3	GW ^{Soil} Ing	note3	Class3 (mg/kg)	note3	Air ^{Soil} Inh- V ⁴	note	3	Air ^{GW} Inh-V (mg/kg)	note3	GW ^{Soil} for Secondary MCL	
		(mg/kg)			(mg/kg)				(mg/kg)			(mg/kg)		(mg/kg)		(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)		(mg/kg)	
Kepone (chlordecone)	143-50-0	3.6E-01	c		9.9E-02	c		9.9E+00	c		4.9E+01	c	2.5E+05	c	>S													
Lead (inorganic)	7439-92-1	5.0E+02	n		3.0E+00	a	>S	3.0E+02	a	>S					5.0E+02	n		1.5E+00	a	>S	1.5E+02	a	>S					
Leptophos	21609-90-5	1.7E-01	n		6.4E-01	n		6.4E+01	n	>S	3.3E+01	n	3.4E+05	n	>S													
Limonene, d-*	5989-27-5																											
Lithium ⁵	7439-93-2	1.3E+02	n			n			n						1.3E+02	n			n			n						
Magnesium*	7439-95-4																											
Malathion	121-75-5	1.7E+02	n		6.6E+00	n		6.6E+02	n		2.0E+02	n	1.2E+05	n	>S													
Maleic anhydride	108-31-6	6.7E+03	n		7.2E+00	n		7.2E+02	n						9.6E+01	n		3.3E+00	n		3.3E+02	n		1.0E+02	n	8.0E+03	n	>S
Maleic hydrazide	123-33-1	3.3E+04	n		3.6E+01	n		3.6E+03	n						6.7E+03	n		3.6E+00	n		3.6E+02	n						
Malononitrile	109-77-3	6.7E+00	n		5.2E-03	n		5.2E-01	n						3.3E+04	n		1.8E+01	n		1.8E+03	n						
Mancozeb	8018-01-7	2.0E+03	n		1.8E+00	n		1.8E+02	n	>S					6.7E+00	n		2.6E-03	n		2.6E-01	n						
Manganese	7439-96-5	3.7E+03	n		1.2E+03	n	>S	1.2E+05	n	>S				5.0E+01	3.4E+03	n		5.8E+02	n	>S	5.8E+04	n	>S				2.5E+01	
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	3.3E+01	n		2.3E-02	n		2.3E+00	n						3.3E+01	n		1.2E-02	n		1.2E+00	n						
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	85-19-0/ 93-6	6.7E+01	n		4.7E-02	n		4.7E+00	n						6.7E+01	n		2.3E-02	n		2.3E+00	n						
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	93-65-2	6.7E+01	n		4.7E-02	n		4.7E+00	n						6.7E+01	n		2.3E-02	n		2.3E+00	n						
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0	6.7E+01	n		4.7E-02	n		4.7E+00	n						6.7E+01	n		2.3E-02	n		2.3E+00	n						
Mercuric chloride (pH = 4.9)	7487-94-7	3.6E+00	n		7.8E-03	m		7.8E-01	m	>S	4.6E+00	n	2.8E+01	n	>S													
Mercuric chloride (pH = 6.8)	7487-94-7	8.3E+00	n		2.1E+00	m		2.1E+02	m	>S	1.6E+01	n	7.6E+03	n	>S													
Mercury (pH = 4.9) ⁶	7439-97-6	3.6E+00	n		7.8E-03	m		7.8E-01	m	>S	4.6E+00	n	2.8E+01	n	>S													
Merphos	150-50-5	2.0E+00	n		6.5E+00	n		6.5E+02	n	>S					5.5E+00	n		1.0E+00	m		1.0E+02	m	>S	8.0E+00	n	4.9E+02	n	>S
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	8.2E+02	n		4.7E-01	n		4.7E+01	n						2.1E+00	n		3.9E-03	m		3.9E-01	m	>S	2.4E+00	n	1.8E+00	n	>S
Methacrylonitrile	126-98-7	8.2E+00	n		5.0E-03	n		5.0E-01	n						2.1E+00	n		3.9E-03	m		3.9E-01	m	>S	2.4E+00	n	1.8E+00	n	>S
Methanol	67-56-1	4.1E+04	n		2.4E+01	n		2.4E+03	n						2.0E+00	n		3.2E+00	n		3.2E+02	n	>S					
Methapyrilene	91-80-5	1.0E+00	c		5.3E-04	c		5.3E-02	c						8.2E+02	n		2.3E-01	n		2.3E+01	n						
Methomyl	16752-77-5	1.7E+03	n		5.1E+00	n		5.1E+02	n						8.2E+00	n		2.5E-03	n		2.5E-01	n						
Methoxychlor	72-43-5	2.7E+02	n		1.2E+02	m		1.2E+04	m	>S					4.1E+04	n		1.2E+01	n		1.2E+03	n						
Methoxyethanol, 2-	109-86-4	1.8E+02	n		6.7E-01	n		6.7E+01	n		3.1E+02	n	4.5E+02	n	>S													
Methyl acetate (acetic acid, methyl ester)	79-20-9	8.2E+04	n		4.9E+01	n		4.9E+03	n						1.0E+00	c		2.6E-04	c		2.6E-02	c						
Methyl acrylate	96-33-3	1.6E+02	n		1.0E-01	n		1.0E+01	n						1.7E+03	n		2.5E+00	n		2.5E+02	n						
Methyl amyl ketone (2-heptanone)	110-43-0	3.9E+03	n		4.7E+00	n		4.7E+02	n		1.1E+05	n	1.0E+06	n	>S													
Methyl chrysene, 1-	3351-28-8	5.8E+02	c		2.2E+04	c	>S	1.0E+06	c	>S	1.0E+06	c	1.0E+06	c	>S													
Methyl chrysene, 2-	3351-32-4	5.8E+02	c		2.2E+04	c	>S	1.0E+06	c	>S	1.0E+06	c	1.0E+06	c	>S													
Methyl chrysene, 6-	1705-85-7	5.7E+01	c		1.8E+03	c	>S	1.8E+05	c	>S	2.3E+05	c	1.0E+06	c	>S													
Methyl cyclohexane	108-87-2	4.1E+04	n		1.6E+04	n	>S	1.0E+06	n	>S	4.6E+04	n	1.8E+05	n	>S													
Methyl ethyl ketone (2-butanone)	78-93-3	4.0E+04	n		2.9E+01	n		2.9E+03	n		2.0E+05	n	1.0E+06	n	>S													
Methyl iodide (iodomethane)	74-88-4	1.1E+02	n		1.1E-01	n		1.1E+01	n						3.3E+04	n		1.5E+01	n		1.5E+03	n		1.0E+05	n	6.2E+05	n	>S
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	5.9E+03	n		4.9E+00	n		4.9E+02	n		5.8E+04	n	1.0E+06	n	>S													
Methyl mercury	22967-92-6	8.0E+00	n			n			n						1.1E+02	c		1.1E+02	c		3.2E+04	c						
Methyl methacrylate	80-62-6	9.8E+03	n		9.8E+01	n		9.8E+03	n		1.1E+04	n	2.3E+05	n	>S													
Methyl methanesulfonate	66-27-3	3.3E+01	c		1.8E-02	c		1.8E+00	c		1.1E+02	c	3.2E+04	c														
Methyl parathion	298-00-0	1.7E+01	n		1.7E-01	n		1.7E+01	n						2.6E+01	c		8.9E-03	c		8.9E-01	c		5.7E+01	c	2.1E+03	c	
Methyl-1-butene, 2-	563-46-2	4.8E+03	n		6.5E+01	n		6.5E+03	n	>S	2.8E+05	n	3.4E+05	n	>S													
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	3.3E+03	n		2.1E+00	n		2.1E+02	n						1.7E+01	n		8.5E-02	n		8.5E+00	n						
Methyl-2-butene, 2-	513-35-9	4.8E+03	n		3.9E+01	n		3.9E+03	n		2.8E+05	n	4.0E+05	n	>S													
Methyl-2-pentenal, 2-	623-36-9	3.2E+00	c		1.5E-03	c		1.5E-01	c						4.7E+03	n		1.9E+01	n		1.9E+03	n		1.4E+05	n	2.6E+04	n	>S
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	5.2E+02	c		5.2E-01	c		5.2E+01	c						3.2E+00	c		7.3E-04	c		7.3E-02	c						
Methylcholanthrene, 3-	56-49-5	1.9E-01	c		1.5E+01	c		1.5E+03	c	>S	1.8E+03	c	1.0E+06	c	>S													
Methylene bromide (dibromomethane)	74-95-3	8.1E+01	n		1.1E+00	c		1.1E+02	c		8.2E+01	n	2.2E+03	n														
Methylene chloride (dichloromethane)	75-09-2	4.8E+02	n		1.3E-02	m		1.3E+00	m		1.3E+04	c	5.6E+04	c	>S													
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	4.6E+01	c		2.9E+00	c		2.9E+02	c		2.7E+03	c	1.0E+06	c	>S													

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area											
Chemical of Concern	CAS	Soil ² Comb note		Soil ^{Ing}		Soil ^{Class3}		Soil ^{Inh- note} ⁴ (mg/kg) 3		GW- Soil ^{Inh-V} (mg/kg) note3		Soil for Secondary MCL (mg/kg)	Soil ² Comb note		Soil ^{Ing}		Soil ^{Class3}		Soil ^{Inh- note} ⁴ (mg/kg) 3		GW- Soil ^{Inh-V} (mg/kg) note3		Soil for Secondary MCL (mg/kg)	
		(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)
Methyltetrahydropyran, 2-	10141-72-7	1.7E+02	c	3.3E-01	c	3.3E+01	c	2.2E+02	c	5.7E+03	c			9.8E+01	c	1.6E-01	c	1.6E+01	c	1.1E+02	c	3.7E+02	c	
Metolachlor	51218-45-2	1.0E+04	n	1.1E+02	n	1.1E+04	n							1.0E+04	n	5.5E+01	n	5.5E+03	n					
Metribuzin	21087-64-9	1.7E+03	n	1.2E+00	n	1.2E+02	n							1.7E+03	n	6.1E-01	n	6.1E+01	n					
Mirex	2385-85-5	1.3E+01	n	4.5E+03	n >S	4.5E+05	n >S							1.3E+01	n	2.2E+03	n >S	2.2E+05	n >S					
Molinate	2212-67-1	1.3E+02	n	1.9E-01	n	1.9E+01	n							1.3E+02	n	9.6E-02	n	9.6E+00	n					
Molybdenum	7439-98-7	1.6E+02	n	4.9E+01	n >S	4.9E+03	n >S							1.6E+02	n	2.5E+01	n >S	2.5E+03	n >S					
Monocrotophos	2157-98-4	4.0E+01	n	2.9E-02	n	2.9E+00	n							4.0E+01	n	1.5E-02	n	1.5E+00	n					
Morpholine	110-91-8	1.0E+06	n	2.4E+04	n	1.0E+06	n							1.0E+06	n	1.2E+04	n	1.0E+06	n					
Morpholine, N-butyl-	1005-67-0	1.9E+02	n	2.3E-01	n	2.3E+01	n							1.9E+02	n	1.2E-01	n	1.2E+01	n					
MTBE ⁷ (methyl tert-butyl ether)	1634-04-4	8.0E+02	n	6.2E-01	n	6.2E+01	n	1.4E+03	c	1.0E+04	c	3.8E-02		5.9E+02	c	3.1E-01	n	3.1E+01	n	7.1E+02	c	6.6E+02	c	1.9E-02
Naled	300-76-5	1.3E+02	n	3.5E-01	n	3.5E+01	n >S							1.3E+02	n	1.8E-01	n	1.8E+01	n >S					
Naphthalene	91-20-3	2.2E+02	n	3.1E+01	n	3.1E+03	n >S	2.7E+02	n	2.0E+04	n >S			1.2E+02	n	1.6E+01	n	1.6E+03	n >S	1.4E+02	n	1.3E+03	n >S	
Naphthoquinone, 1,4-	130-15-4	4.7E+02	n	4.6E-01	n	4.6E+01	n							4.7E+02	n	2.3E-01	n	2.3E+01	n					
Naphthylamine, 1-	134-32-7	1.3E+03	n	9.4E+00	n	9.4E+02	n							1.3E+03	n	4.7E+00	n	4.7E+02	n					
Naphthylamine, 2-	91-59-8	2.6E+00	c	1.3E-02	c	1.3E+00	c							2.6E+00	c	6.4E-03	c	6.4E-01	c					
Napropamide	15299-99-7	6.7E+03	n	5.5E+02	n	5.5E+04	n >S							6.7E+03	n	2.7E+02	n	2.7E+04	n >S					
Neopentyl glycol	126-30-7	2.0E+04	n	1.5E+01	n	1.5E+03	n							2.0E+04	n	7.3E+00	n	7.3E+02	n					
Nickel and compounds	7440-02-0	8.4E+02	n	1.6E+02	n >S	1.6E+04	n >S							8.4E+02	n	7.9E+01	n >S	7.9E+03	n >S					
Nitrate	14797-55-8	1.3E+05	n	1.9E+01	m	1.9E+03	m							1.3E+05	n	9.6E+00	m	9.6E+02	m					
Nitrite	14797-65-0	8.0E+03	n	m	m	m	m							8.0E+03	n	m	m	m	m					
Nitroaniline, 2-	88-74-4	1.4E+01	n	2.2E-02	n	2.2E+00	n	4.8E+01	n	1.2E+04	n >S			1.1E+01	n	1.1E-02	n	1.1E+00	n	2.4E+01	n	7.7E+02	n	
Nitroaniline, 3-	99-09-2	1.5E+01	n	2.6E-02	n	2.6E+00	n	6.0E+01	n	1.7E+04	n >S			1.2E+01	n	1.3E-02	n	1.3E+00	n	3.1E+01	n	1.1E+03	n >S	
Nitroaniline, 4-	100-01-6	2.2E+02	n	1.1E-01	c	1.1E+01	c	1.2E+03	n	3.4E+05	n >S			1.9E+02	n	5.4E-02	c	5.4E+00	c	6.2E+02	n	2.2E+04	n >S	
Nitrobenzene	98-95-3	6.6E+01	c	3.5E-01	n	3.5E+01	n	6.6E+01	c	5.2E+03	c			3.4E+01	c	1.8E-01	n	1.8E+01	n	3.4E+01	c	3.4E+02	c	
Nitroglycerin	55-63-0	6.7E+00	n	1.4E-02	n	1.4E+00	n							6.7E+00	n	6.9E-03	n	6.9E-01	n					
Nitrophenol, 2-	88-75-5	1.3E+02	n	1.3E-01	n	1.3E+01	n							1.3E+02	n	6.7E-02	n	6.7E+00	n					
Nitrophenol, 3-	554-84-7	1.3E+02	n	2.3E-01	n	2.3E+01	n							1.3E+02	n	1.1E-01	n	1.1E+01	n					
Nitrophenol, 4-	100-02-7	1.3E+02	n	1.0E-01	n	1.0E+01	n							1.3E+02	n	5.0E-02	n	5.0E+00	n					
Nitropropane, 2-	79-46-9	1.3E-01	c	7.1E-03	n	7.1E-01	n	1.3E-01	c	3.6E+00	c			6.8E-02	c	3.5E-03	n	3.5E-01	n	6.8E-02	c	2.3E-01	c	
Nitroquinoline-N-oxide, 4-	56-57-5	4.0E-01	c	2.3E-04	c	2.3E-02	c	1.9E+00	c	2.7E+04	c			3.3E-01	c	1.2E-04	c	1.2E-02	c	9.7E-01	c	1.3E+04	c	
Nitrosodiethanolamine	1116-54-7	1.7E+00	c	6.6E-04	c	6.6E-02	c							1.7E+00	c	3.3E-04	c	3.3E-02	c					
Nitrosodiethylamine, n-	55-18-5	2.5E-02	c	1.2E-05	c	1.2E-03	c	6.6E-02	c	1.5E+01	c			1.8E-02	c	6.2E-06	c	6.2E-04	c	3.4E-02	c	9.7E-01	c	
Nitrosodimethylamine, n-	62-75-9	7.4E-02	c	3.7E-05	c	3.7E-03	c	2.0E-01	c	4.2E+01	c			5.5E-02	c	1.8E-05	c	1.8E-03	c	1.0E-01	c	2.7E+00	c	
Nitrosodi-n-butylamine, n-	924-16-3	4.7E-01	c	1.9E-03	c	1.9E-01	c	1.0E+00	c	5.2E+01	c			3.3E-01	c	9.4E-04	c	9.4E-02	c	5.3E-01	c	3.4E+00	c	
Nitrosodi-n-propylamine, n-	621-64-7	4.0E-01	c	3.5E-04	c	3.5E-02	c							4.0E-01	c	1.8E-04	c	1.8E-02	c					
Nitrosodiphenylamine	86-30-6	5.7E+02	c	2.8E+00	c	2.8E+02	c							5.7E+02	c	1.4E+00	c	1.4E+02	c					
Nitroso-methyl-ethyl-amine, n-	10595-95-6	2.8E-01	c	1.1E-04	c	1.1E-02	c							2.8E-01	c	5.7E-05	c	5.7E-03	c					
Nitrosomorpholine, N-	59-89-2	5.0E-01	c	2.6E-04	c	2.6E-02	c	1.7E+00	c	5.2E+02	c			3.9E-01	c	1.3E-04	c	1.3E-02	c	8.8E-01	c	3.4E+01	c	
Nitroso-n-ethylurea, n-	759-73-9	3.4E-02	c	2.1E-05	c	2.1E-03	c							3.4E-02	c	1.0E-05	c	1.0E-03	c					
Nitrosopiperidine, N-	100-75-4	3.6E-01	c	2.1E-04	c mql	2.1E-02	c	1.3E+00	c	3.5E+02	c			2.9E-01	c	1.0E-04	c mql	1.0E-02	c	6.9E-01	c	2.3E+01	c	
Nitrosopyrrolidine, n-	930-55-2	1.6E+00	c	8.4E-04	c	8.4E-02	c	5.8E+00	c	1.9E+03	c			1.3E+00	c	4.2E-04	c	4.2E-02	c	3.0E+00	c	1.2E+02	c	
Nitrotoluene, m-	99-08-1	6.7E+02	n	1.8E+00	n	1.8E+02	n							6.7E+02	n	9.2E-01	n	9.2E+01	n					
Nitrotoluene, o-	88-72-2	2.1E+01	c	3.1E-02	c	3.1E+00	c							2.1E+01	c	1.6E-02	c	1.6E+00	c					
Nitrotoluene, p-	99-99-0	2.7E+02	n	4.3E-01	c	4.3E+01	c							2.7E+02	n	2.2E-01	c	2.2E+01	c					
Nonachlor, cis-	5103-73-1	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S			5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	
Nonachlor, trans-	39765-80-5	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S			5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	
Nonanal	124-19-6	1.3E+04	n	1.5E+02	n	1.5E+04	n >S							1.3E+04	n	7.4E+01	n	7.4E+03	n >S					
Nonene, 1-n	124-11-8	8.2E+03	n	3.3E+03	n >S	3.3E+05	n >S							8.2E+03	n	1.6E+03	n >S	1.6E+05	n >S					
Nonylphenol	104-40-5	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S							6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol	25154-52-3	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S							6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol	84852-15-3	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S							6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol ethoxylate	9016-45-9	8.0E+03	n	7.5E+05	n >S	1.0E+06	n >S							8.0E+03	n	3.7E+05	n >S	1.0E+06	n >S					
Octamethylpyrophosphoramide	152-16-9	1.3E+02	n	9.4E-02	n	9.4E+00	n							1.3E+02	n	4.7E-02	n	4.7E+00	n					
Octanone	106-68-3	4.9E+03	n	1.1E+01	n	1.1E+03	n	9.0E+05	n	1.0E+06	n >S			4.9E+03	n	5.5E+00	n	5.5E+02	n	4.6E+05	n	1.0E+06	n >S	
Oxamyl	23135-22-0	1.7E+03	n	4.2E-01	m	4.2E+01	m							1.7E+03	n	2.1E-01	m	2.1E+01	m					
Oxychlordane	27304-13-8	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S			5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area									30 acre source area													
Chemical of Concern	CAS	Soil ² Comb note		Soil ^{Ing}		Soil ^{Class3}		Soil ^{Inh- note} v ⁴ (mg/kg) 3		Air ^{GW-} Soil ^{lab-V} (mg/kg) note3	Soil for Secondary MCL (mg/kg)	Soil ² Comb note		Soil ^{Ing}		Soil ^{Class3}		Soil ^{Inh- note} v ⁴ (mg/kg) 3		Air ^{GW-} Soil ^{lab-V} (mg/kg) note3	Soil for Secondary MCL (mg/kg)			
		(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	(mg/kg)	3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)			
Paraquat	1910-42-5	3.0E+02	n	2.1E-01	n	2.1E+01	n					3.0E+02	n	1.1E-01	n	1.1E+01	n							
Parathion (ethyl parathion)	56-38-2	4.0E+02	n	3.3E+01	n	3.3E+03	n	>S				4.0E+02	n	1.7E+01	n	1.7E+03	n	>S						
Pebulate	1114-71-2	3.3E+03	n	2.3E+01	n	2.3E+03	n	>S				3.3E+03	n	1.2E+01	n	1.2E+03	n	>S						
Pendimethalin	40487-42-1	2.5E+03	n	7.5E+03	n	>S	7.5E+05	n	>S			2.5E+03	n	3.7E+03	n	>S	3.7E+05	n	>S					
Pentachlorobenzene	608-93-5	5.3E+01	n	2.5E+01	n		2.5E+03	n	>S			5.3E+01	n	1.2E+01	n	1.2E+03	n	>S						
Pentachloroethane	76-01-7	3.9E+01	c	9.7E-02	c	9.7E+00	c	9.4E+01	c	2.8E+03	c	2.8E+01	c	4.8E-02	c	4.8E+00	c	4.8E+01	c	1.8E+02	c			
Pentachloronitrobenzene	82-68-8	1.0E+01	c	1.8E+00	c	1.8E+02	c	>S				1.0E+01	c	9.2E-01	c	9.2E+01	c	>S						
Pentachlorophenol	87-86-5	7.3E-01	c	1.8E-02	m	1.8E+00	m					7.3E-01	c	9.2E-03	m	9.2E-01	m							
Pentadiene, 1,3-cis-	1574-41-0	4.8E+03	n	1.9E+01	n	1.9E+03	n	2.8E+05	n	5.5E+05	n	4.7E+03	n	9.4E+00	n	9.4E+02	n	1.4E+05	n	3.6E+04	n	>S		
Pentadiene, 1,3-trans-	2004-70-8	4.8E+03	n	1.3E+01	n	1.3E+03	n	2.8E+05	n	6.7E+05	n	4.7E+03	n	6.5E+00	n	6.5E+02	n	1.4E+05	n	4.3E+04	n	>S		
Pentaerythritol tetranitrate (PETN)	78-11-5	1.3E+02	n	1.2E+01	n	1.2E+03	n					1.3E+02	n	6.2E+00	n	6.2E+02	n							
Pentane	109-66-0	5.0E+04	n	4.0E+03	n	4.0E+05	n	>S	3.7E+05	n	8.1E+04	n	4.4E+04	n	2.0E+03	n	2.0E+05	n	>S	1.9E+05	n	5.2E+03	n	>S
Pentane, 2-methyl-	107-83-5	4.8E+03	n	3.8E+02	n	3.8E+04	n	>S	2.8E+05	n	4.5E+05	n	4.7E+03	n	1.9E+02	n	1.9E+04	n	>S	1.4E+05	n	2.9E+04	n	>S
Pentane, 3-methyl-	96-14-0	4.8E+03	n	3.1E+02	n	3.1E+04	n	>S	2.8E+05	n	4.7E+05	n	4.7E+03	n	1.6E+02	n	1.6E+04	n	>S	1.4E+05	n	3.1E+04	n	>S
Pentanediol, 1,5-	111-29-5	3.0E+05	n	2.4E+02	n	2.4E+04	n	1.0E+06	n	1.0E+06	n	2.7E+05	n	1.2E+02	n	1.2E+04	n	1.0E+06	n	1.0E+06	n	>S		
Pentanol, 1-	71-41-0	2.7E+03	n	2.3E+00	n	2.3E+02	n					2.7E+03	n	1.1E+00	n	1.1E+02	n							
Pentanol, 4-methyl-2-	108-11-2	2.1E+03	n	1.8E+00	n	1.8E+02	n					2.1E+03	n	8.8E-01	n	8.8E+01	n							
Pentanone, 2-	107-87-9	3.3E+03	n	2.2E+00	n	2.2E+02	n					3.3E+03	n	1.1E+00	n	1.1E+02	n							
Pentene, 2-	109-68-2	4.8E+03	n	4.7E+01	n	4.7E+03	n	2.8E+05	n	4.5E+05	n	4.7E+03	n	2.3E+01	n	2.3E+03	n	1.4E+05	n	2.9E+04	n	>S		
Pentyne, 1-	627-19-0	4.8E+03	n	1.3E+01	n	1.3E+03	n	2.8E+05	n	6.2E+05	n	4.7E+03	n	6.3E+00	n	6.3E+02	n	1.4E+05	n	4.0E+04	n	>S		
Perchlorate	14797-73-0	5.1E+01	n	1.4E-01	n	1.4E+01	n					5.1E+01	n	7.0E-02	n	7.0E+00	n							
Perylene	198-55-0	1.3E+03	n	7.6E+04	n	>S	1.0E+06	n	>S			1.3E+03	n	3.8E+04	n	>S	1.0E+06	n	>S					
Phenacetin	62-44-2	1.8E+03	c	1.2E+00	c	1.2E+02	c	1.1E+04	c	1.0E+06	c	1.5E+03	c	6.2E-01	c	6.2E+01	c	5.6E+03	c	2.3E+05	c	>S		
Phenanthrene	85-01-8	1.7E+03	n	4.2E+02	n	4.2E+04	n	>S				1.7E+03	n	2.1E+02	n	2.1E+04	n	>S						
Phenanthridine	229-87-8	2.0E+02	n	5.3E+00	n	5.3E+02	n					2.0E+02	n	2.6E+00	n	2.6E+02	n							
Phenol	108-95-2	2.0E+04	n	1.9E+01	n	1.9E+03	n					2.0E+04	n	9.6E+00	n	9.6E+02	n							
Phenol, 4-tert-butyl-	98-54-4	3.3E+02	n	4.5E+00	n	4.5E+02	n					3.3E+02	n	2.3E+00	n	2.3E+02	n							
Phenothiazine	92-84-2	2.9E+01	n	3.6E+00	n	3.6E+02	n	>S				2.9E+01	n	1.8E+00	n	1.8E+02	n	>S						
Phenyl mercuric acetate	62-38-4	5.3E+00	n	1.6E-02	n	1.6E+00	n					5.3E+00	n	8.1E-03	n	8.1E-01	n							
Phenylene diamine, m-	108-45-2	4.0E+02	n	2.9E-01	n	2.9E+01	n					4.0E+02	n	1.4E-01	n	1.4E+01	n							
Phenylene diamine, p-	106-50-3	1.3E+04	n	9.1E+00	n	9.1E+02	n					1.3E+04	n	4.6E+00	n	4.6E+02	n							
Phorate	298-02-2	1.3E+01	n	1.1E+00	n	1.1E+02	n					1.3E+01	n	5.4E-01	n	5.4E+01	n							
Phosalone	2310-17-0	1.3E+02	n	2.3E+00	n	2.3E+02	n					1.3E+02	n	1.2E+00	n	1.2E+02	n							
Phosdrin (mevinphos)	7786-34-7	1.7E+00	n	1.2E-03	n	1.2E-01	n					1.7E+00	n	5.9E-04	n	5.9E-02	n							
Phosmet	732-11-6	1.3E+03	n	4.1E+00	n	4.1E+02	n					1.3E+03	n	2.0E+00	n	2.0E+02	n							
Phosphine	7803-51-2	3.8E+00	n		n		n	4.6E+00	n		n 3W Ing	2.1E+00	n		n		n	2.4E+00	n		n 3W Ing			
Phosphorothioic acid, S,S,S-tributyl ester	78-48-8	6.6E+01	c	4.3E+02	c	>S	4.3E+04	c	>S			6.6E+01	c	2.2E+02	c	>S	2.2E+04	c	>S					
Phosphorus, total*	7723-14-0																							
Phosphorus, white	7723-14-0	1.5E+00	n	2.3E-02	n	2.3E+00	n					1.5E+00	n	1.1E-02	n	1.1E+00	n							
Phthalic anhydride	85-44-9	3.6E+04	n	2.5E+02	n	2.5E+04	n	5.0E+04	n	1.0E+06	n	2.1E+04	n	1.2E+02	n	1.2E+04	n	2.6E+04	n	1.0E+06	n	>S		
Picloram	1918-02-1	4.7E+03	n	9.8E-01	m	9.8E+01	m					4.7E+03	n	4.9E-01	m	4.9E+01	m							
Picoline, 2- (2-methylpyridine)	109-06-8	7.4E+02	n	5.6E-01	n	5.6E+01	n					7.4E+02	n	2.8E-01	n	2.8E+01	n							
Polybrominated biphenyls (PBBs)	67774-32-7	9.7E-03	c	9.0E-03	c	9.0E-01	c					9.7E-03	c	4.5E-03	c	4.5E-01	c							
Polychlorinated biphenyls (PCBs)	1336-36-3	1.1E+00	n	1.1E+01	m	1.1E+03	m	5.4E+01	c	6.2E+04	c	1.1E+00	n	5.3E+00	m	5.3E+02	m	2.8E+01	c	4.0E+03	c	>S		
Potassium*	7440--09-27																							
Primene	68955-53-3	3.6E+02	n	5.4E+01	n	5.4E+03	n					3.6E+02	n	2.7E+01	n	2.7E+03	n							
Prometon (pramitol)	1610-18-0	1.0E+03	n	9.6E+00	n	9.6E+02	n					1.0E+03	n	4.8E+00	n	4.8E+02	n							
Pronamide	23950-58-5	5.0E+03	n	1.8E+01	n	1.8E+03	n	>S				5.0E+03	n	9.1E+00	n	9.1E+02	n	>S						
Propanal (propionaldehyde)	123-38-6	1.0E+02	n	3.9E-01	n	3.9E+01	n	1.2E+02	n	3.3E+03	n	5.8E+01	n	2.0E-01	n	2.0E+01	n	6.3E+01	n	2.1E+02	n			
Propane, 1-bromo-	106-94-5	2.9E+03	n	3.4E+00	n	3.4E+02	n					2.9E+03	n	1.7E+00	n	1.7E+02	n							
Propanil	709-98-8	3.3E+02	n	4.7E+00	n	4.7E+02	n					3.3E+02	n	2.3E+00	n	2.3E+02	n							
Propanoic acid (propionic acid)	79-09-4	4.1E+04	n	2.3E+01	n	2.3E+03	n					4.1E+04	n	1.2E+01	n	1.2E+03	n							
Propanol, 1-	71-23-8	1.6E+04	n	1.0E+01	n	1.0E+03	n					1.6E+04	n	5.0E+00	n	5.0E+02	n							
Propargite	2312-35-8	1.3E+03	n	1.1E+02	n	1.1E+04	n	>S				1.3E+03	n	5.5E+01	n	5.5E+03	n	>S						
Propargyl alcohol	107-19-7	1.6E+02	n	1.0E-01	n	1.0E+01	n					1.6E+02	n	5.2E-02	n	5.2E+00	n							
Propazine	139-40-2	1.1E+02	c	9.5E-01	c	9.5E+01	c					1.1E+02	c	4.7E-01	c	4.7E+01	c							

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area															
Chemical of Concern	CAS	Tot Soil ² Comb (mg/kg)	note	3	GW Soil ^{Ing} (mg/kg)	note3	GW Soil ^{Class3} (mg/kg)	note3	Air ⁴ Soil ^{Inh-V} (mg/kg)	note	3	Air ⁴ GW- Soil ^{Inh-V} (mg/kg)	note3	GW ⁵ Soil for Secondary MCL (mg/kg)	Tot Soil ² Comb (mg/kg)	note	3	GW Soil ^{Ing} (mg/kg)	note3	GW Soil ^{Class3} (mg/kg)	note3	Air ⁴ Soil ^{Inh-V} (mg/kg)	note	3	Air ⁴ GW- Soil ^{Inh-V} (mg/kg)	note3	GW ⁵ Soil for Secondary MCL (mg/kg)	
Propham	122-42-9	1.3E+03	n	1.9E+00	n	1.9E+02	n								1.3E+03	n	9.7E-01	n	9.7E+01	n								
Propionitrile (propane nitrile)	107-12-0	3.3E+01	n	1.9E-02	n	1.9E+00	n								3.3E+01	n	9.7E-03	n	9.7E-01	n								
Propyl acetate, n-	109-60-4	7.4E+03	n	5.3E+00	n	5.3E+02	n								7.4E+03	n	2.7E+00	n	2.7E+02	n								
Propylbenzene, n-	103-65-1	2.2E+03	n	4.5E+01	n	4.5E+03	n	>S	6.3E+03	n	2.8E+05	n	>S		1.6E+03	n	2.2E+01	n	2.2E+03	n	>S	3.3E+03	n	1.8E+04	n	>S		
Propylene glycol	57-55-6	3.7E+02	n	9.4E+02	n	9.4E+04	n		3.7E+02	n	9.6E+04	n			1.9E+02	n	4.7E+02	n	4.7E+04	n		1.9E+02	n	6.2E+03	n			
Propylene glycol monomethyl ether	107-98-2	4.6E+04	n	3.3E+01	n	3.3E+03	n		2.3E+05	n	1.0E+06	n	>S		3.9E+04	n	1.7E+01	n	1.7E+03	n		1.2E+05	n	1.0E+06	n	>S		
Propylene oxide	75-56-9	2.0E+01	c	7.5E-03	c	7.5E-01	c		9.7E+01	c	3.1E+03	c			1.7E+01	c	3.8E-03	c	3.8E-01	c		5.0E+01	c	2.0E+02	c			
Propylene tetramer	6842-15-5	4.6E+03	n	2.5E+04	n	>S	1.0E+06	n	>S	1.5E+04	n	4.6E+05	n	>S		3.6E+03	n	1.3E+04	n	>S	1.0E+06	n	>S	7.9E+03	n	2.9E+04	n	>S
Prothiofos (Tokuthion)	34643-46-4	6.6E+00	n	2.4E+03	n	2.4E+05	n	>S							6.6E+00	n	1.2E+03	n	1.2E+05	n	>S							
Pyrene	129-00-0	1.7E+03	n	1.1E+03	n	>S	1.1E+05	n	>S						1.7E+03	n	5.6E+02	n	>S	5.6E+04	n	>S						
Pyridine	110-86-1	8.2E+01	n	6.9E-02	n	6.9E+00	n								8.2E+01	n	3.5E-02	n	3.5E+00	n								
Quinoline	91-22-5	1.6E+00	c	7.5E-03	c	7.5E-01	c								1.6E+00	c	3.8E-03	c	3.8E-01	c								
Ronnel	299-84-3	2.3E+03	n	4.2E+02	n	4.2E+04	n	>S							2.3E+03	n	2.1E+02	n	2.1E+04	n	>S							
Safrole	94-59-7	1.6E+01	c	1.6E-01	c	1.6E+01	c		6.7E+01	c	7.5E+03	c	>S		1.3E+01	c	8.2E-02	c	8.2E+00	c		3.4E+01	c	4.8E+02	c			
Selenium	7782-49-2	3.1E+02	n	2.3E+00	m	>S	2.3E+02	m	>S						3.1E+02	n	1.1E+00	m	>S	1.1E+02	m	>S						
Selenourea	630-10-4	4.1E+02	n		n		n								4.1E+02	n		n		n								
Silver	7440-22-4	9.7E+01	n	4.8E-01	n	>S	4.8E+01	n	>S					3.9E-01	9.7E+01	n	2.4E-01	n	>S	2.4E+01	n	>S				2.0E-01		
Simazine	122-34-9	3.9E+01	c	5.5E-02	m		5.5E+00	m							3.9E+01	c	2.8E-02	m		2.8E+00	m							
Sodium*	7440-23-5																											
Sodium diethyldithiocarbamate	148-18-5	2.2E+01	c		c		c								2.2E+01	c		c		c								
Sodium hypochlorite	7681-52-9	1.5E+04	n		n		n								1.4E+04	n		n		n								
Sodium polyacrylate	9003-04-7	1.2E+02	n	2.4E+01	n	2.4E+03	n		1.2E+02	n	3.0E+04	n			6.2E+01	n	1.2E+01	n	1.2E+03	n		6.2E+01	n	1.9E+03	n			
Strontium	7440-24-6	4.4E+04	n	6.1E+02	n	6.1E+04	n								4.4E+04	n	3.1E+02	n	3.1E+04	n								
Strychnine	57-24-9	2.0E+01	n	3.7E-02	n	3.7E+00	n								2.0E+01	n	1.9E-02	n	1.9E+00	n								
Styrene	100-42-5	6.7E+03	n	3.3E+00	m	3.3E+02	m		1.1E+04	n	4.9E+05	n	>S		4.3E+03	n	1.6E+00	m	1.6E+02	m		5.8E+03	n	3.2E+04	n	>S		
Sulfate*	14808-79-8																											
Sulfide*	18496-25-8																											
Sulfolane	126-33-0	4.3E+02	n	6.1E-01	n	6.1E+01	n		8.6E+02	n	2.5E+05	n	>S		2.9E+02	n	3.1E-01	n	3.1E+01	n		4.4E+02	n	1.6E+04	n	>S		
Sulfur*	7704-34-9																											
Sulprofos (Bolstar)	35400-43-2	2.0E+02	n	7.5E+03	n	>S	7.5E+05	n	>S						2.0E+02	n	3.8E+03	n	>S	3.8E+05	n	>S						
Tebuconazole	107534-96-3	2.0E+03	n	3.1E+01	n	3.1E+03	n	>S							2.0E+03	n	1.6E+01	n	1.6E+03	n	>S							
Tebuthiuron	34014-18-1	4.7E+03	n	5.4E+00	n	5.4E+02	n								4.7E+03	n	2.7E+00	n	2.7E+02	n								
Terbufos	13071-79-9	1.7E+00	n	3.4E-01	n	3.4E+01	n								1.7E+00	n	1.7E-01	n	1.7E+01	n								
Tert-amyl ethyl ether (TAEE)	919-94-8	3.3E+03	n	9.5E+00	n	9.5E+02	n								3.3E+03	n	4.7E+00	n	4.7E+02	n								
Tert-amyl-methyl ether (TAME)	994-05-8	3.3E+03	n	3.8E+00	n	3.8E+02	n								3.3E+03	n	1.9E+00	n	1.9E+02	n								
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	7.4E+03	n	4.6E+00	n	4.6E+02	n								7.4E+03	n	2.3E+00	n	2.3E+02	n								
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+01	n	1.2E+01	n	1.2E+03	n								2.0E+01	n	6.0E+00	n	6.0E+02	n								
Tetrachlorobenzene, 1,2,3,5-	634-90-2	1.3E+01	n	1.9E+00	n	1.9E+02	n								1.3E+01	n	9.4E-01	n	9.4E+01	n								
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+01	n	4.8E-01	n	4.8E+01	n	>S							2.0E+01	n	2.4E-01	n	2.4E+01	n	>S							
Tetrachloroethane, 1,1,1,2-	630-20-6	6.5E+01	c	1.4E+00	c	1.4E+02	c		9.1E+01	c	4.5E+03	c			3.9E+01	c	7.1E-01	c	7.1E+01	c		4.7E+01	c	2.9E+02	c			
Tetrachloroethane, 1,1,2,2-	79-34-5	3.0E+01	c	2.3E-02	c	2.3E+00	c								3.0E+01	c	1.2E-02	c	1.2E+00	c								
Tetrachloroethylene	127-18-4	4.5E+02	m	5.0E-02	m	5.0E+00	m		9.4E+02	c	5.0E+03	c	>S		4.2E+02	c	2.5E-02	m	2.5E+00	m		4.8E+02	c	3.2E+02	c			
Tetrachlorophenol, 2,3,4,5-	4901-51-3	4.0E+02	n	1.5E+01	n	1.5E+03	n								4.0E+02	n	7.4E+00	n	7.4E+02	n								
Tetrachlorophenol, 2,3,4,6-	58-90-2	1.8E+02	n	4.5E+00	n	4.5E+02	n								1.8E+02	n	2.2E+00	n	2.2E+02	n								
Tetrachlorophenol, 2,3,5,6-	935-95-5	2.3E+01	n	2.2E+00	n	2.2E+02	n	>S							2.3E+01	n	1.1E+00	n	1.1E+02	n	>S							
Tetrachlorvinphos (Stirophos)	22248-79-9	2.6E+03	n	2.4E+03	n	2.4E+05	n	>S							2.6E+03	n	1.2E+03	n	1.2E+05	n	>S							
Tetradifon	116-29-0	1.0E+03	n	8.7E+01	n	8.7E+03	n	>S							1.0E+03	n	4.4E+01	n	4.4E+03	n	>S							
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	3.3E+01	n	3.9E-01	n	3.9E+01	n								3.3E+01	n	1.9E-01	n	1.9E+01	n								
Tetraethyl lead	78-00-2	6.7E-03	n	5.0E-04	n	5.0E-02	n								6.7E-03	n	2.5E-04	n	2.5E-02	n								
Tetraethyl pyrophosphate (TEPP)	107-49-3	7.3E-01	n	9.3E-03	n	9.3E-01	n								7.3E-01	n	4.6E-03	n	4.6E-01	n								
Tetraethylene glycol	112-60-7	2.2E+04	n	1.6E+01	n	1.6E+03	n								2.2E+04	n	7.8E+00	n	7.8E+02	n								
Tetrahydrofuran	109-99-9	1.5E+02	c	2.5E-01	c	2.5E+01	c		1.9E+02	c	4.6E+03	c			8.6E+01	c	1.2E-01	c	1.2E+01	c		9.7E+01	c	3.0E+02	c			
Tetrahydropyran	142-68-7	1.6E+02	c	2.7E-01	c	2.7E+01	c		2.0E+02	c	5.9E+03	c			9.2E+01	c	1.4E-01	c	1.4E+01	c		1.0E+02	c	3.8E+02	c			
Tetraoxadodecane, 2,5,8,11-	112-49-2	2.0E+03	n	1.7E+00	n	1.7E+02	n								2.0E+03	n	8.6E-01	n	8.6E+01	n								
Thallium and compounds (as thallium chloride)	7791-12-0	6.3E+00	n	1.7E+00	m	1.7E+02	m								6.3E+00	n	8.7E-01	m	8.7E+01	m								
Thiofanox	39196-18-4	2.0E+01	n	3.1E-02	n	3.1E+00	n								2.0E+01	n												

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area								30 acre source area																	
Chemical of Concern	CAS	Tot ² Soil ³ Comb (mg/kg)	note	GW ⁴ Soil ⁵ Ing (mg/kg)	note3	GW ⁴ Soil ⁵ Class3 (mg/kg)	note3	Air ⁶ Soil ⁷ Inh- ⁴ (mg/kg)	note	Air ⁶ GW- ⁸ Soil ⁹ Inh-V (mg/kg)	note3	GW ⁴ Soil ⁵ for Secondary MCL (mg/kg)	Tot ² Soil ³ Comb (mg/kg)	note	GW ⁴ Soil ⁵ Ing (mg/kg)	note3	GW ⁴ Soil ⁵ Class3 (mg/kg)	note3	Air ⁶ Soil ⁷ Inh- ⁴ (mg/kg)	note	Air ⁶ GW- ⁸ Soil ⁹ Inh-V (mg/kg)	note3	GW ⁴ Soil ⁵ for Secondary MCL (mg/kg)				
			3						3					3						3							
Thionazin	297-97-2	4.7E+00	n	1.1E-02	n	1.1E+00	n						4.7E+00	n	5.5E-03	n	5.5E-01	n									
Thiophanate-methyl	23564-05-8	5.3E+03	n	4.5E+00	n	4.5E+02	n	>S					5.3E+03	n	2.2E+00	n	2.2E+02	n	>S								
Thiram	137-26-8	3.3E+02	n	3.5E+00	n	3.5E+02	n						3.3E+02	n	1.8E+00	n	1.8E+02	n									
Tin	7440-31-5	3.5E+04	n	3.7E+04	n	>S	1.0E+06	n	>S				3.5E+04	n	1.8E+04	n	>S	1.0E+06	n	>S							
Titanium	7440-32-6	2.2E+05	n		n	>S		n	>S				2.2E+05	n		n	>S		n	>S							
Toluene	108-88-3	5.9E+03	n	8.2E+00	m	8.2E+02	m	6.3E+04	n	5.2E+05	n	>S	5.4E+03	n	4.1E+00	m	4.1E+02	m	3.2E+04	n	3.4E+04	n	>S				
Toluene diisocyanate, 2,4/2,6-	26471-62-5	1.5E+02	n					1.5E+02	n	1.7E+05	n		7.5E+01	n					7.5E+01	n	1.1E+04	n					
Toluenediamine, 2,4-	95-80-7	1.5E+00	c	1.5E-02	c	1.5E+00	c						1.5E+00	c	7.6E-03	c	7.6E-01	c									
Toluenediamine, 2,6-	823-40-5	2.0E+03	n	1.4E+00	n	1.4E+02	n						2.0E+03	n	7.2E-01	n	7.2E+01	n									
Toluidine, o-	95-53-4	1.7E+01	c	3.8E-02	c	3.8E+00	c	1.4E+02	c	2.7E+04	c		1.5E+01	c	1.9E-02	c	1.9E+00	c	7.1E+01	c	1.7E+03	c					
Toluidine, p-	106-49-0	2.5E+01	c	1.4E-02	c	1.4E+00	c						2.5E+01	c	7.0E-03	c	7.0E-01	c									
Toxaphene	8001-35-2	1.2E+00	c	1.2E+01	m	1.2E+03	m	9.6E+02	c	1.0E+06	c	>S	1.2E+00	c	5.8E+00	m	5.8E+02	m	4.9E+02	c	4.4E+05	c	>S				
TPH, TX1005, C6-C12	TPH-1005-1	1.6E+03	n	6.5E+01	n	6.5E+03	n	>S	3.1E+03	n	1.2E+05	n	>S	1.1E+03	n	3.3E+01	n	3.3E+03	n	>S	1.6E+03	n	7.6E+03	n	>S		
TPH, TX1005, >C12-C28	TPH-1005-2	2.3E+03	n	2.0E+02	n	2.0E+04	n	>S	1.5E+04	n	1.0E+06	n	>S	2.0E+03	n	9.9E+01	n	9.9E+03	n	>S	7.8E+03	n	9.8E+04	n	>S		
TPH, TX1005, >C12-C35	TPH-1005-3	2.3E+03	n	2.0E+02	n	2.0E+04	n	>S	1.5E+04	n	1.0E+06	n	>S	2.0E+03	n	9.9E+01	n	9.9E+03	n	>S	7.8E+03	n	9.8E+04	n	>S		
TPH, TX1005, >C28-C35	TPH-1005-4	2.3E+03	n	2.0E+02	n	2.0E+04	n	>S	1.5E+04	n	1.0E+06	n	>S	2.0E+03	n	9.9E+01	n	9.9E+03	n	>S	7.8E+03	n	9.8E+04	n	>S		
TP Silvex, 2,4,5-	93-72-1	5.3E+02	n	5.3E+00	m	5.3E+02	m						5.3E+02	n	2.6E+00	m	2.6E+02	m									
Triademenol	55219-65-3	2.0E+03	n	8.4E+00	n	8.4E+02	n						2.0E+03	n	4.2E+00	m	4.2E+02	n									
Triallate	2303-17-5	3.2E+02	n	1.9E+01	n	1.9E+03	n	>S					3.2E+02	n	9.5E+00	n	9.5E+02	n	>S								
Triaminotrinitrobenzene (TATB)	3058-38-6	1.6E+02	c	6.4E-02	c	6.4E+00	c						1.6E+02	c	3.2E-02	c	3.2E+00	c									
Tributyltin oxide	56-35-9	2.0E+01	n		n		n						2.0E+01	n		n		n									
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	3.9E+05	n	8.0E+04	n	>S	1.0E+06	n	>S	4.6E+05	n	1.0E+06	n	>S	2.2E+05	n	4.0E+04	n	>S	1.0E+06	n	>S	2.4E+05	n	6.5E+04	n	>S
Trichlorobenzene, 1,2,3-	87-61-6	1.2E+02	n	2.6E+01	n	2.6E+03	n	3.0E+02	n	4.8E+04	n	>S	8.7E+01	n	1.3E+01	n	1.3E+03	n		1.6E+02	n	3.1E+03	n	>S			
Trichlorobenzene, 1,2,4-	120-82-1	1.2E+02	n	4.8E+00	m	4.8E+02	m	1.5E+02	n	1.1E+04	n	>S	7.0E+01	n	2.4E+00	m	2.4E+02	m	7.8E+01	n	6.9E+02	n					
Trichlorobenzene, 1,3,5-	108-70-3	7.8E+01	n	7.5E+00	n	7.5E+02	n	1.3E+02	n	1.0E+04	n	>S	4.9E+01	n	3.7E+00	n	3.7E+02	n	6.5E+01	n	6.7E+02	n					
Trichloroethane, 1,1,1-	71-55-6	5.3E+04	n	1.6E+00	m	1.6E+02	m	7.8E+04	n	3.3E+05	n	>S	3.2E+04	n	8.1E-01	m	8.1E+01	m	4.0E+04	n	2.1E+04	n	>S				
Trichloroethane, 1,1,2-	79-00-5	1.8E+01	c	2.0E-02	m	2.0E+00	m	2.2E+01	c	3.2E+02	c		1.0E+01	c	1.0E-02	m	1.0E+00	m	1.2E+01	c	2.1E+01	c					
Trichloroethylene	79-01-6	1.8E+01	n	3.4E-02	m	3.4E+00	m	3.1E+01	n	1.6E+02	n		1.1E+01	n	1.7E-02	m	1.7E+00	m	1.6E+01	n	1.0E+01	n					
Trichlorofluoromethane	75-69-4	2.5E+04	n	1.3E+02	n	1.3E+04	n						2.5E+04	n	6.4E+01	n	6.4E+03	n									
Trichloronate	327-98-0	1.4E+02	n	1.2E+02	n	1.2E+04	n	>S					1.4E+02	n	6.2E+01	n	6.2E+03	n	>S								
Trichlorophenol, 2,3,4-	15950-66-0	6.7E+03	n	5.9E+01	n	5.9E+03	n						6.7E+03	n	3.0E+01	n	3.0E+03	n									
Trichlorophenol, 2,3,5-	933-78-8	6.7E+03	n	2.8E+01	n	2.8E+03	n						6.7E+03	n	1.4E+01	n	1.4E+03	n									
Trichlorophenol, 2,3,6-	933-75-5	5.3E+02	n	2.9E+01	n	2.9E+03	n	>S					5.3E+02	n	1.4E+01	n	1.4E+03	n	>S								
Trichlorophenol, 2,4,5-	95-95-4	6.7E+03	n	3.4E+01	n	3.4E+03	n						6.7E+03	n	1.7E+01	n	1.7E+03	n									
Trichlorophenol, 2,4,6-	88-06-2	6.7E+01	n	1.7E-01	n	1.7E+01	n	2.0E+03	c	3.5E+05	c	>S	6.7E+01	n	8.7E-02	n	8.7E+00	n	1.0E+03	c	2.3E+04	c	>S				
Trichlorophenol, 3,4,5-	609-19-8	6.7E+03	n	3.3E+02	n	3.3E+04	n						6.7E+03	n	1.6E+02	n	1.6E+04	n									
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	6.7E+02	n	9.9E-01	n	9.9E+01	n						6.7E+02	n	4.9E-01	n	4.9E+01	n									
Trichloropropane, 1,1,2-	598-77-6	4.6E+00	n	1.5E+00	n	1.5E+02	n	4.6E+00	n	3.2E+01	n		2.4E+00	n	7.3E-01	n	7.3E+01	n	2.4E+00	n	2.1E+00	n					
Trichloropropane, 1,2,3-	96-18-4	2.0E-01	c	5.3E-04	c	5.3E-02	c	1.4E+01	n	5.7E+02	n		2.0E-01	c	2.7E-04	c	2.7E-02	c	7.2E+00	n	3.7E+01	n					
Triethanolamine	102-71-6	1.3E+04	n	9.4E+00	n	9.4E+02	n						1.3E+04	n	4.7E+00	n	4.7E+02	n									
Triethylamine	121-44-8	1.1E+02	n					1.1E+02	n	1.6E+03	n		5.5E+01	n					5.5E+01	n	1.0E+02	n					
Triethylene glycol	112-27-6	2.0E+05	n	1.4E+02	n	1.4E+04	n						2.0E+05	n	7.0E+01	n	7.0E+03	n									
Triethylphosphorothioate, O, O, O-	126-68-1	5.5E-01	c	4.4E-03	n	4.4E-01	n						5.5E-01	c	2.2E-03	n	2.2E-01	n									
Trifluralin	1582-09-8	2.7E+02	c	6.5E+01	c	6.5E+03	c	>S					2.7E+02	c	3.3E+01	c	3.3E+03	c	>S								
Trimethylamine	75-50-3	1.5E+02	n					1.5E+02	n	4.4E+03	n		7.6E+01	n					7.6E+01	n	2.8E+02	n					
Trimethylbenzene, 1,2,3-	526-73-8	1.2E+02	n	3.2E+01	n	3.2E+03	n	>S	1.2E+02	n	4.9E+03	n	>S	6.1E+01	n	1.6E+01	n	1.6E+03	n	>S	6.2E+01	n	3.1E+02	n			
Trimethylbenzene, 1,2,4-	95-63-6	1.5E+02	n	4.9E+01	n	4.9E+03	n	>S	1.6E+02	n	7.5E+03	n	>S	7.9E+01	n	2.4E+01	n	2.4E+03	n	>S	8.1E+01	n	4.9E+02	n			
Trimethylbenzene, 1,3,5-	108-67-8	1.1E+02	n	5.3E+01	n	5.3E+03	n	>S	1.2E+02	n	5.5E+03	n	>S	5.9E+01	n	2.7E+01	n	2.7E+03	n	>S	6.0E+01	n	3.5E+02	n			
Trinitrobenzene, 1,3,5-	99-35-4	2.0E+03	n	1.8E+00	n	1.8E+02	n						2.0E+03	n	9.1E-01	n	9.1E+01	n									
Trinitrophenylmethyl nitramine (tetryl; nitramine)	479-45-8	2.7E+02	n	1.1E+00	n	1.1E+02	n						2.7E+02	n	5.5E-01	n	5.5E+01	n									
Trinitrotoluene, 2,4,6-	118-96-7	3.3E+01	n	1.7E-01	n	1.7E+01	n						3.3E+01	n	8.6E-02	n	8.6E+00	n									
Uranium (soluble salts)	7440-61-1	2.2E+02	n	1.8E+03	m	>S	1.8E+05	m	>S				2.2E+02	n	8.9E+02	m	>S	8.9E+04	m	>S							
Valeric acid (pentanoic acid)	109-52-4	1.3E+02	n	2.3E+01	n	>S	2.3E+03	n	>S	1.3E+02	n	3.8E+04	n	>S	6.8E+01	n	1.2E+03	n	>S	6.8E+01	n	2.5E+03	n	>S			
Vanadium	7440-62-2	7.6E+01	n	8.8E+02	n	>S	8.8E+04	n	>S				7.5E+01	n	4.4E+02	n	>S	4.4E+04	n	>S							
Vernam	1929-77-7	6.7E+01	n	2.7E+00	n	2.7E+02	n						6.7E+01	n	1.4E+00	n	1.4E+02	n									
Vinyl acetate	108-05-4	3.0E+03	n	5.3E+01	n	5.3E+03	n	3.1E+03	n	3.1E+04	n		1.5E+03	n	2.7E+01	n	2.7E+03	n	1.6E+03	n	2.0E+03	n					

Table 1
Tier 1 Residential Soil PCLs¹
June 29, 2012

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	Tot ² Soil Comb ² note (mg/kg) 3	GW ³ Soil _{Ing} (mg/kg) note3	GW ³ Soil _{Class3} (mg/kg) note3	Air ⁴ Soil _{Inh-V} note (mg/kg) 3	Air ⁴ GW- Soil _{Inh-V} (mg/kg) note3	GW ³ Soil for Secondary MCL (mg/kg)	Tot ² Soil Comb ² note (mg/kg) 3	GW ³ Soil _{Ing} (mg/kg) note3	GW ³ Soil _{Class3} (mg/kg) note3	Air ⁴ Soil _{Inh-V} note (mg/kg) 3	Air ⁴ GW- Soil _{Inh-V} (mg/kg) note3	GW ³ Soil for Secondary MCL (mg/kg)										
Vinyl chloride	75-01-4	3.7E+00 c	2.2E-02 m	2.2E+00 m	4.3E+01 c	4.2E+01 c		3.4E+00 c	1.1E-02 m	1.1E+00 m	2.2E+01 c	2.7E+00 c											
Vinylcyclohexane	695-12-5	4.1E+04 n	1.4E+03 n >S	1.4E+05 m	>S			4.1E+04 n	7.1E+02 n >S	7.1E+04 n	>S												
Warfarin	81-81-2	2.0E+01 n	2.8E-01 n	2.8E+01 n				2.0E+01 n	1.4E-01 n	1.4E+01 n													
Xylene, m-	108-38-3	8.9E+03 n	1.1E+02 m	1.1E+04 m	>S	9.4E+03 n	1.1E+05 n >S	4.7E+03 n	5.3E+01 m	5.3E+03 m	>S	4.8E+03 n	7.2E+03 n >S										
Xylene, o-	95-47-6	4.8E+04 n	7.1E+01 m	7.1E+03 m	>S	6.8E+04 n	1.0E+06 n >S	2.9E+04 n	3.5E+01 m	3.5E+03 m	>S	3.5E+04 n	3.5E+05 n >S										
Xylene, p-	106-42-3	8.9E+03 n	1.5E+02 m	1.5E+04 m	>S	9.4E+03 n	1.4E+05 n >S	4.7E+03 n	7.5E+01 m	7.5E+03 m	>S	4.8E+03 n	9.1E+03 n >S										
Xylenes	1330-20-7	6.0E+03 n	1.2E+02 m	1.2E+04 m	>S	9.4E+03 n	1.3E+05 n >S	3.7E+03 n	6.1E+01 m	6.1E+03 m	>S	4.8E+03 n	8.1E+03 n >S										
Zinc	7440-66-6	9.9E+03 n	2.4E+03 n >S	2.4E+05 n	>S			1.6E+03	9.9E+03 n	1.2E+03 n >S	1.2E+05 n	>S	8.0E+02										
6 C aliphatics (TPH)	NA	3.3E+03 n	1.7E+02 n ---	1.7E+04 n	>S	1.0E+04 n	1.2E+04 n ---	---	2.5E+03 n	8.6E+01 n ---	8.6E+03 n	>S	5.3E+03 n	8.1E+02 n ---	---								
>6-8 C aliphatics (TPH)	NA	3.3E+03 n	4.2E+02 n ---	4.2E+04 n	>S	1.0E+04 n	2.0E+04 n >S	---	2.5E+03 n	2.1E+02 n ---	2.1E+04 n	>S	5.3E+03 n	1.3E+03 n >S	---								
>8-10 C aliphatics (TPH)	NA	4.0E+03 n	3.6E+03 n >S	3.6E+05 n	>S	7.7E+03 n	4.8E+04 n >S	---	2.7E+03 n	1.8E+03 n >S	1.8E+05 n	>S	3.9E+03 n	3.1E+03 n >S	---								
>10-12 C aliphatics (TPH)	NA	3.6E+03 n	2.5E+04 n >S	1.0E+06 n	>S	7.7E+03 n	2.3E+05 n >S	---	2.5E+03 n	1.3E+04 n >S	1.0E+06 n	>S	3.9E+03 n	1.5E+04 n >S	---								
>12-16 C aliphatics (TPH)	NA	4.3E+03 n	4.9E+05 n >S	1.0E+06 n	>S	1.2E+04 n	1.0E+06 n >S	---	3.2E+03 n	2.5E+05 n >S	1.0E+06 n	>S	6.2E+03 n	6.6E+04 n >S	---								
>16-21 C aliphatics (TPH)	NA	1.3E+05 n	1.0E+06 n >S	1.0E+06 n	>S	---	---	---	1.3E+05 n	1.0E+06 n >S	1.0E+06 n	>S	---	---	---								
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	1.1E+05 n	1.0E+06 n >S	1.0E+06 n	>S	---	---	---	1.1E+05 n	1.0E+06 n >S	1.0E+06 n	>S	---	---	---								
>7-8 C aromatics (TPH)	NA	6.4E+03 n	2.0E+01 n ---	2.0E+03 n	---	2.9E+04 n	2.4E+05 n >S	---	5.3E+03 n	1.0E+01 n ---	1.0E+03 n	---	1.5E+04 n	1.6E+04 n >S	---								
>8-10 C aromatics (TPH)	NA	1.6E+03 n	6.5E+01 n ---	6.5E+03 n	>S	3.1E+03 n	1.2E+05 n >S	---	1.1E+03 n	3.3E+01 n ---	3.3E+03 n	>S	1.6E+03 n	7.6E+03 n >S	---								
>10-12 C aromatics (TPH)	NA	1.9E+03 n	1.0E+02 n ---	1.0E+04 n	>S	6.6E+03 n	4.4E+05 n >S	---	1.5E+03 n	5.0E+01 n ---	5.0E+03 n	>S	3.4E+03 n	2.8E+03 n >S	---								
>12-16 C aromatics (TPH)	NA	2.3E+03 n	2.0E+02 n ---	2.0E+04 n	>S	1.5E+04 n	1.0E+06 n >S	---	2.0E+03 n	9.9E+01 n ---	9.9E+03 n	>S	7.8E+03 n	9.8E+03 n >S	---								
>16-21 C aromatics (TPH)	NA	1.9E+03 n	4.7E+02 n >S	4.7E+04 n	>S	---	---	---	1.9E+03 n	2.3E+02 n >S	2.3E+04 n	>S	---	---	---								
>21-35 C aromatics (TPH)	NA	1.9E+03 n	3.7E+03 n >S	3.7E+05 n	>S	---	---	---	1.9E+03 n	1.8E+03 n >S	1.8E+05 n	>S	---	---	---								
Transformer mineral oil	NA	2.6E+04 n	2.5E+05 n ---	1.0E+06 n	---	8.4E+04 n	1.0E+06 n ---	---	2.0E+04 n	1.3E+05 n ---	1.0E+06 n	---	4.3E+04 n	6.1E+05 n ---	---								

Footnotes

¹In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cumulative carcinogenic risk level and

²Combined includes inhalation; ingestion; dermal; vegetable consumption pathways

³c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than GWGWIng value

⁴For subsurface soils only

⁵Please contact the TCEQ for assistance in determining a site-specific approach for GWSoilIng values for these compounds.

⁶Note 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)).

⁷Persons must use the value provided in the "GWSoil for Secondary MCL" column of this table as the GWSoil PCL for MTBE if the conditions described in §350.74(f)(3) exist.

⁸Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.

⁹These compounds, acetic acid, ammonium polyphosphate, ammonium salts, calcium, chloride, ethylene, hydrogen chloride (hydrochloric acid), iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulfate, sulfide, and sulfure, are not necessarily of concern from a human health

All values capped at 1E+06

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area									
		Total Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh- ⁴		Air GW- Soil Inh-V		Total Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh- ⁴		Air GW- Soil Inh-V	
Chemical of Concern	CAS	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3
Acenaphthene	83-32-9	3.7E+04	n	7.1E+02	n >S	7.1E+04	n >S					3.7E+04	n	3.5E+02	n >S	3.5E+04	n >S				
Acenaphthylene	208-96-8	3.7E+04	n	1.2E+03	n >S	1.2E+05	n >S					3.7E+04	n	6.1E+02	n >S	6.1E+04	n >S				
Acetaldehyde	75-07-0	2.0E+02	n	1.5E+01	n	1.5E+03	n	2.0E+02	n	6.7E+03	n	1.0E+02	n	7.4E+00	n	7.4E+02	n	1.0E+02	n	4.3E+02	n
Acetate, 2-ethoxyethanol	111-15-9	7.8E+03	n	1.6E+01	n	1.6E+03	n	8.4E+03	n	1.0E+06	n >S	4.2E+03	n	8.0E+00	n	8.0E+02	n	4.3E+03	n	8.9E+04	n
Acetate, isoamyl	123-92-2	7.4E+04	n	2.6E+01	n	2.6E+03	n					7.4E+04	n	1.3E+01	n	1.3E+03	n				
Acetate, isobutyl	110-19-0	4.9E+04	n	1.1E+01	n	1.1E+03	n					4.9E+04	n	5.5E+00	n	5.5E+02	n				
Acetate, sec-butyl	105-46-4	4.9E+04	n	1.2E+01	n	1.2E+03	n					4.9E+04	n	5.9E+00	n	5.9E+02	n				
Acetic acid*	64-19-7																				
Acetone (2-propanone)	67-64-1	4.4E+05	n	1.3E+02	n	1.3E+04	n	8.4E+05	n	1.0E+06	n >S	2.9E+05	n	6.4E+01	n	6.4E+03	n	4.3E+05	n	1.0E+06	n >S
Acetone cyanohydrin	75-86-5	1.5E+03	n	4.3E-01	n	4.3E+01	n	6.1E+03	n	9.3E+05	n	1.2E+03	n	2.1E-01	n	2.1E+01	n	3.1E+03	n	6.0E+04	n
Acetonitrile	75-05-8	1.7E+03	n	4.5E+00	n	4.5E+02	n	1.8E+03	n	8.7E+04	n	9.1E+02	n	2.3E+00	n	2.3E+02	n	9.4E+02	n	5.6E+03	n
Acetophenone	98-86-2	6.8E+04	n	2.5E+01	n	2.5E+03	n					6.8E+04	n	1.2E+01	n	1.2E+03	n				
Acetylaminofluorene, 2-	53-96-3	4.3E+00	c	1.0E-02	c	1.0E+00	c	3.1E+01	c	2.0E+04	c >S	3.8E+00	c	5.1E-03	c	5.1E-01	c	1.6E+01	c	1.7E+03	c >S
Acifluorfen, sodium	62476-59-9	8.9E+03	n	6.1E+00	n	6.1E+02	n					8.9E+03	n	3.1E+00	n	3.1E+02	n				
Acridine	260-94-6	2.0E+03	n	2.3E+01	n	2.3E+03	n					2.0E+03	n	1.1E+01	n	1.1E+03	n				
Acrolein	107-02-8	3.7E+01	n	7.1E-02	n	7.1E+00	n	4.0E+01	n	4.8E+03	n	2.0E+01	n	3.5E-02	n	3.5E+00	n	2.0E+01	n	3.1E+02	n
Acrylamide	79-06-1	2.1E+01	c	7.9E-03	c	7.9E-01	c	4.7E+01	c	1.2E+04	c	1.5E+01	c	3.9E-03	c	3.9E-01	c	2.4E+01	c	8.1E+02	c
Acrylic acid	79-10-7	1.7E+02	n	7.2E+01	n	7.2E+03	n	1.7E+02	n	4.1E+04	n	8.7E+01	n	3.6E+01	n	3.6E+03	n	8.7E+01	n	2.7E+03	n
Acrylonitrile	107-13-1	7.6E+00	c	7.5E-03	c	7.5E-01	c	8.8E+00	c	1.9E+02	c	4.2E+00	c	3.7E-03	c	3.7E-01	c	4.6E+00	c	1.2E+01	c
Adipic acid (hexanedioic acid)	124-04-9	1.0E+06	n	2.8E+02	n	2.8E+04	n					1.0E+06	n	1.4E+02	n	1.4E+04	n				
Alachlor	15972-60-8	2.4E+02	c	1.9E-02	m	1.9E+00	m					2.4E+02	c	9.5E-03	m	9.5E-01	m				
Aldicarb	116-06-3	6.8E+02	n	1.8E-02	m	1.8E+00	m					6.8E+02	n	8.9E-03	m	8.9E-01	m				
Aldicarb sulfone	1646-88-4	6.8E+02	n	1.4E-02	m	1.4E+00	m					6.8E+02	n	6.9E-03	m	6.9E-01	m				
Aldrin	309-00-2	1.0E+00	c	2.3E-01	c	2.3E+01	c	1.4E+01	c	1.4E+04	c >S	9.7E-01	c	1.2E-01	c	1.2E+01	c	7.2E+00	c	9.2E+02	c >S
Allyl alcohol	107-18-6	8.0E+00	n	7.5E-01	n	7.5E+01	n	8.0E+00	n	8.5E+02	n	4.1E+00	n	3.7E-01	n	3.7E+01	n	4.1E+00	n	5.5E+01	n
Allyl chloride	107-05-1	2.1E+01	n	3.0E+00	n	3.0E+02	n	2.1E+01	n	5.3E+01	n	1.1E+01	n	1.5E+00	n	1.5E+02	n	1.1E+01	n	3.4E+00	n
Aluminum	7429-90-5	6.2E+05	n	5.2E+05	n >S	1.0E+06	n >S				1.4E+03	5.7E+05	n	2.6E+05	n >S	1.0E+06	n >S				7.1E+02
Ametryn	834-12-8	6.1E+03	n	2.1E+01	n	2.1E+03	n					6.1E+03	n	1.1E+01	n	1.1E+03	n				
Amino-2,6-dinitrotoluene, 4-	19406-51-0	1.1E+02	n	2.0E-01	n	2.0E+01	n					1.1E+02	n	1.0E-01	n	1.0E+01	n				
Amino-4,6-dinitrotoluene, 2-	35572-78-2	1.1E+02	n	3.0E-01	n	3.0E+01	n					1.1E+02	n	1.5E-01	n	1.5E+01	n				
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	3.1E+00	c	2.4E-02	c	2.4E+00	c					3.1E+00	c	1.2E-02	c	1.2E+00	c				
Aminopyridine, 4-	504-24-5	1.4E+01	n	2.8E-03	n	2.8E-01	n					1.4E+01	n	1.4E-03	n	1.4E-01	n				
Ammonia	7664-41-7	2.1E+03	n					2.1E+03	n	7.9E+03	n	3.1E+00	1.1E+03	n				1.1E+03	n	5.1E+02	n
Ammonium polyphosphate*	6833-79-9																				1.6E+00
Ammonium salts*	Ammonium																				
Aniline	62-53-3	1.8E+02	n	8.2E-01	c	8.2E+01	c	1.8E+02	n	3.6E+04	n	9.3E+01	n	4.1E-01	c	4.1E+01	c	9.4E+01	n	2.3E+03	n
Anthracene	120-12-7	1.9E+05	n	2.1E+04	n >S	1.0E+06	n >S					1.9E+05	n	1.0E+04	n >S	1.0E+06	n >S				
Anthraquinone, 9,10-	84-65-1	4.9E+02	c	2.5E+00	c	2.5E+02	c >S					4.9E+02	c	1.3E+00	c	1.3E+02	c >S				
Antimony	7440-36-0	3.1E+02	n	5.4E+00	m >S	5.4E+02	m >S					3.1E+02	n	2.7E+00	m >S	2.7E+02	m >S				
Aramite	140-57-8	7.6E+02	c		c		c					7.6E+02	c		c		c				
Arsenic	7440-38-2	2.0E+02	c	5.0E+00	m >S	5.0E+02	m >S					2.0E+02	c	2.5E+00	m >S	2.5E+02	m >S				
Arsine	7784-42-1	1.1E+00	n					1.1E+00	n			5.5E-01	n					5.5E-01	n		
Asbestos ⁸	1332-21-4																				
Atrazine	1912-24-9	8.6E+01	c	2.5E-02	m	2.5E+00	m					8.6E+01	c	1.2E-02	m	1.2E+00	m				
Azinphos-methyl (guthion)	86-50-0	1.0E+03	n	1.3E+00	n >S	1.3E+02	n >S					1.0E+03	n	6.6E-01	n >S	6.6E+01	n >S				
Azobenzene	103-33-3	1.6E+02	c	4.0E+01	c	4.0E+03	c >S	2.3E+03	c	1.0E+06	c >S	1.5E+02	c	2.0E+01	c	2.0E+03	c >S	1.2E+03	c	1.6E+05	c >S
Barium	7440-39-3	1.2E+05	n	4.4E+02	m >S	4.4E+04	m >S					1.2E+05	n	2.2E+02	m >S	2.2E+04	m >S				
Bayleton	43121-43-3	2.0E+04	n	2.2E+01	n	2.2E+03	n >S					2.0E+04	n	1.1E+01	n	1.1E+03	n >S				
Benefin (benfluralin)	1861-40-1	2.0E+05	n	1.5E+05	n >S	1.0E+06	n >S					2.0E+05	n	7.3E+04	n >S	1.0E+06	n >S				
Benomyl	17804-35-2	3.4E+04	n	9.1E+00	n >S	9.1E+02	n >S					3.4E+04	n	4.6E+00	n >S	4.6E+02	n >S				
Benz-a-anthracene	56-55-3	2.4E+01	c	4.0E+01	c	4.0E+03	c >S	6.3E+03	c	1.0E+06	c >S	2.4E+01	c	2.0E+01	c	2.0E+03	c >S	3.2E+03	c	1.0E+06	c >S
Benzaldehyde	100-52-7	1.0E+05	n	3.1E+01	n	3.1E+03	n					1.0E+05	n	1.6E+01	n	1.6E+03	n				
Benzene	71-43-2	2.4E+02	c	2.6E-02	m	2.6E+00	m	2.7E+02	c	1.6E+03	c	1.3E+02	c	1.3E-02	m	1.3E+00	m	1.4E+02	c	1.0E+02	c
Benzenediacetonitrile, 1,3-	626-17-5	4.1E+03	n	9.7E-01	n	9.7E+01	n					4.1E+03	n	4.9E-01	n	4.9E+01	n				
Benzenedicarboxylic acid, 1,2-disodecyl ester	26761-40-0	4.1E+04	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S	4.0E+04	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area													
Chemical of Concern	CAS	TotSoil _{Comb} ²		GW _{Soil} _{Ing}		GW _{Soil} _{Class3}		Air _{Soil} _{Inh-V} ⁴		Air _{GW-Soil} _{Inh-V}		GW _{Soil} _{for Secondary MCL}		TotSoil _{Comb} ²		GW _{Soil} _{Ing}		GW _{Soil} _{Class3}		Air _{Soil} _{Inh-V} ⁴		Air _{GW-Soil} _{Inh-V}		GW _{Soil} _{for Secondary MCL}	
		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3
Benzenethiol	108-98-5	1.0E+03	n	2.0E-01	n	2.0E+01	n							1.0E+03	n	1.0E-01	n	1.0E+01	n						
Benizidine	92-87-5	4.7E-02	c	2.4E-05	c	2.4E-03	c	1.1E-01	c	2.3E+01	c			3.3E-02	c	1.2E-05	c	1.2E-03	c	5.4E-02	c	1.9E+00	c		
Benzo-a-pyrene	50-32-8	2.4E+00	c	7.6E+00	m	7.6E+02	m >S	1.4E+03	c	1.0E+06	c >S			2.4E+00	c	3.8E+00	m	3.8E+02	m >S	7.3E+02	c	1.0E+06	c >S		
Benzo-b-fluoranthene	205-99-2	2.4E+01	c	1.3E+02	c >S	1.3E+04	c >S	1.0E+04	c	1.0E+06	c >S			2.4E+01	c	6.7E+01	c >S	6.7E+03	c >S	5.3E+03	c	1.0E+06	c >S		
Benzo-e-pyrene	192-97-2	1.9E+04	n	3.4E+05	n >S	1.0E+06	n >S							1.9E+04	n	1.7E+05	n >S	1.0E+06	n >S						
Benzo-g,h,i-perylene	191-24-2	1.9E+04	n	1.4E+05	n >S	1.0E+06	n >S							1.9E+04	n	6.9E+04	n >S	1.0E+06	n >S						
Benzoic acid	65-85-0	1.0E+06	n	5.7E+02	n	5.7E+04	n >S							1.0E+06	n	2.8E+02	n	2.8E+04	n >S						
Benzo-j-fluoranthene	205-82-3	2.4E+01	c	5.9E+01	c >S	5.9E+03	c >S	5.4E+03	c	1.0E+06	c >S			2.4E+01	c	2.9E+01	c >S	2.9E+03	c >S	2.8E+03	c	1.0E+06	c >S		
Benzo-k-fluoranthene	207-08-9	2.4E+02	c	1.4E+03	c >S	1.4E+05	c >S	2.6E+05	c	1.0E+06	c >S			2.4E+02	c	6.9E+02	c >S	6.9E+04	c >S	1.3E+05	c	1.0E+06	c >S		
Benzophenone	119-61-9	4.6E+03	n	5.1E+01	n	5.1E+03	n >S							4.6E+03	n	2.5E+01	n	2.5E+03	n >S						
Benzotrithloride	98-07-7	1.5E+00	c	9.5E-03	c	9.5E-01	c							1.5E+00	c	4.7E-03	c	4.7E-01	c						
Benzoyl peroxide	94-36-0	3.4E+04	n	1.6E+02	n	1.6E+04	n >S							3.4E+04	n	8.1E+01	n	8.1E+03	n >S						
Benzyl alcohol	100-51-6	6.8E+04	n	1.7E+01	n	1.7E+03	n							6.8E+04	n	8.7E+00	n	8.7E+02	n						
Benzyl chloride	100-44-7	4.2E+01	n	1.1E-01	c	1.1E+01	c	4.3E+01	n	1.3E+03	n			2.2E+01	n	5.6E-02	c	5.6E+00	c	2.2E+01	n	8.4E+01	n		
Benzyl dichloride	98-87-3	7.3E+01	n	1.4E-01	c	1.4E+01	c	7.7E+01	n	3.3E+03	n >S			3.9E+01	n	7.1E-02	c	7.1E+00	c	4.0E+01	n	2.1E+02	n		
Beryllium	7440-41-7	2.5E+02	n	1.8E+00	m >S	1.8E+02	m >S							2.5E+02	n	9.2E-01	m >S	9.2E+01	m >S						
Biphenyl, 1,1-	92-52-4	3.4E+04	n	7.6E+02	n	7.6E+04	n >S							3.4E+04	n	3.8E+02	n	3.8E+04	n >S						
Biphenyl, 1,1'-, 2-phenoxy-	6738-04-1	5.1E+04	n	2.2E+05	n >S	1.0E+06	n >S							5.1E+04	n	1.1E+05	n >S	1.0E+06	n >S						
Biquinoline, 2,2'-	119-91-5	2.0E+03	n	8.0E+01	n	8.0E+03	n >S							2.0E+03	n	4.0E+01	n	4.0E+03	n >S						
Bis (2-chloroethoxy) methane	111-91-1	9.1E+00	c	2.6E-02	c	2.6E+00	c	1.9E+01	c	1.9E+03	c			6.2E+00	c	1.3E-02	c	1.3E+00	c	9.8E+00	c	1.2E+02	c		
Bis (2-chloroethyl) ether	111-44-4	4.9E+00	c	4.7E-03	c	4.7E-01	c	6.0E+00	c	4.0E+02	c			2.8E+00	c	2.4E-03	c	2.4E-01	c	3.1E+00	c	2.6E+01	c		
Bis (2-chloroisopropyl) ether	108-60-1	1.5E+02	c	4.3E-01	c	4.3E+01	c	3.5E+02	c	2.1E+04	c			1.1E+02	c	2.1E-01	c	2.1E+01	c	1.8E+02	c	1.4E+03	c		
Bis (2-chloromethyl) ether	542-88-1	9.0E-03	c	1.8E-05	c	1.8E-03	c	9.7E-03	c	2.8E-01	c			4.8E-03	c	9.2E-06	c	9.2E-04	c	5.0E-03	c	1.8E-02	c		
Bis (2-ethyl-hexyl) phthalate	117-81-7	5.6E+02	c	1.6E+02	m	1.6E+04	m >S							5.6E+02	c	8.2E+01	m	8.2E+03	m >S						
Bismuth	7440-69-9	4.1E+05	n		n		n							4.1E+05	n		n		n						
Bisphenol A	80-05-7	3.4E+04	n	8.7E+01	n	8.7E+03	n							3.4E+04	n	4.4E+01	n	4.4E+03	n						
Boron ⁵	7440-42-8	1.9E+05	n		n		n							1.9E+05	n		n		n						
Bromacil	314-40-9	6.8E+04	n	5.1E+01	n	5.1E+03	n							6.8E+04	n	2.6E+01	n	2.6E+03	n						
Bromo-2-chloroethane, 1-	107-04-0	4.1E+04	n	1.0E+01	n	1.0E+03	n							4.1E+04	n	5.2E+00	n	5.2E+02	n						
Bromobenzene	108-86-1	1.2E+03	n	6.9E+00	n	6.9E+02	n	1.4E+03	n	3.7E+04	n >S			6.4E+02	n	3.4E+00	n	3.4E+02	n	7.0E+02	n	2.4E+03	n >S		
Bromodichloromethane	75-27-4	4.6E+02	c	1.5E-01	c	1.5E+01	c							4.6E+02	c	7.3E-02	c	7.3E+00	c						
Bromoform	75-25-2	1.0E+03	c	1.4E+00	c	1.4E+02	c	1.4E+03	c	4.7E+04	c >S			6.0E+02	c	7.1E-01	c	7.1E+01	c	7.2E+02	c	3.1E+03	c		
Bromomethane	74-83-9	1.0E+02	n	3.9E-01	n	3.9E+01	n	1.1E+02	n	2.5E+02	n			5.3E+01	n	2.0E-01	n	2.0E+01	n	5.5E+01	n	1.6E+01	n		
Bromophenyl phenylether, 4-	101-55-3	1.2E+00	c	7.9E-01	c	7.9E+01	c	1.6E+01	c	1.5E+04	c >S			1.1E+00	c	4.0E-01	c	4.0E+01	c	8.4E+00	c	1.0E+03	c		
Butadiene, 1,3-	106-99-0	7.1E+02	n					7.1E+02	n	6.9E+02	n			3.6E+02	n					3.6E+02	n	4.5E+01	n		
Butadiene, 2-methyl-1,3- (isoprene)	78-79-5	5.3E+04	n	3.3E+01	n	3.3E+03	n	3.9E+05	n	8.7E+05	n >S			4.7E+04	n	1.7E+01	n	1.7E+03	n	2.0E+05	n	5.6E+04	n >S		
Butanal (butyraldehyde)	123-72-8	6.1E+04	n	9.4E+00	n	9.4E+02	n							6.1E+04	n	4.7E+00	n	4.7E+02	n						
Butane, 2,3-dimethyl-	79-29-8	5.3E+04	n	8.5E+02	n	8.5E+04	n >S	3.9E+05	n	6.4E+05	n >S			4.7E+04	n	4.2E+02	n	4.2E+04	n >S	2.0E+05	n	4.1E+04	n >S		
Butanoic acid (butyric acid)	107-92-6	1.8E+02	n	7.0E+01	n	7.0E+03	n	1.8E+02	n	5.1E+04	n			9.3E+01	n	3.5E+01	n	3.5E+03	n	9.3E+01	n	3.3E+03	n		
Butanol, 1-, 2-Me-	137-32-6	1.0E+04	n	1.8E+00	n	1.8E+02	n							1.0E+04	n	8.9E-01	n	8.9E+01	n						
Butanol, 2-	78-92-2	1.0E+06	n	3.1E+02	n	3.1E+04	n	1.0E+06	n	1.0E+06	n >S			6.8E+05	n	1.6E+02	n	1.6E+04	n	1.0E+06	n	1.0E+06	n >S		
Butanol, 2-methyl-2-	75-85-4	1.0E+04	n	1.8E+00	n	1.8E+02	n							1.0E+04	n	8.8E-01	n	8.8E+01	n						
Butanol, n-	71-36-3	1.0E+05	n	1.6E+01	n	1.6E+03	n							1.0E+05	n	7.9E+00	n	7.9E+02	n						
Butene, 1-	106-98-9	5.3E+04	n	1.3E+02	n	1.3E+04	n >S	3.9E+05	n	4.2E+05	n >S			4.7E+04	n	6.6E+01	n	6.6E+03	n >S	2.0E+05	n	2.7E+04	n >S		
Butene, cis-2-	590-18-1	5.3E+04	n	9.6E+01	n	9.6E+03	n >S	3.9E+05	n	4.4E+05	n >S			4.7E+04	n	4.8E+01	n	4.8E+03	n >S	2.0E+05	n	2.9E+04	n >S		
Butene, trans-2-	624-64-6	5.3E+04	n	9.6E+01	n	9.6E+03	n >S	3.9E+05	n	4.4E+05	n >S			4.7E+04	n	4.8E+01	n	4.8E+03	n >S	2.0E+05	n	2.9E+04	n >S		
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)	111-76-2	5.8E+04	n	1.8E+01	n	1.8E+03	n	4.1E+05	n	1.0E+06	n >S			5.2E+04	n	8.8E+00	n	8.8E+02	n	2.1E+05	n	1.0E+06	n >S		
Butyl acetate	123-86-4	1.4E+04	n	3.1E+01	n	3.1E+03	n	1.5E+04	n	3.9E+05	n >S			7.5E+03	n	1.5E+01	n	1.5E+03	n	7.9E+03	n	2.5E+04	n >S		
Butyl acrylate	141-32-2	9.2E+03	n	3.1E+00	n	3.1E+02	n							9.2E+03	n	1.5E+00	n	1.5E+02	n						
Butyl benzyl phthalate	85-68-7	1.0E+04	c	5.9E+02	c	5.9E+04	c >S							1.0E+04	c	3.0E+02	c	3.0E+04	c >S						
Butyl ether, n- (dibutyl ether)	142-96-1	1.0E+05	n	1.3E+02	n	1.3E+04	n >S							1.0E+05	n	6.5E+01	n	6.5E+03	n >S						
Butyl methacrylate	97-88-1	9.2E+04	n	7.8E+01	n	7.8E+03	n >S							9.2E+04	n	3.9E+01	n	3.9E+03	n >S						
Butylate	2008-41-5	3.4E+04	n	2.5E+01	n	2.5E+03	n >S							3.4E+04	n	1.3E+01	n	1.3E+03	n >S						
Butylbenzene, n-	104-51-8	3.4E+04	n	4.5E+02	n	4.5E+04	n >S							3.4E+04	n	2.3E+02	n	2.3E+04	n >S						

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area													
		Tot Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh-V ⁴		Air GW- Soil Inh-V		GW Soil for Secondary MCL	Tot Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh-V ⁴		Air GW- Soil Inh-V		GW Soil for Secondary MCL		
Chemical of Concern	CAS	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	(mg/kg)	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)			
Butylbenzene, sec-	135-98-8	4.1E+04	n	2.5E+02	n	2.5E+04	n	>S					4.1E+04	n	1.3E+02	n	1.3E+04	n	>S						
Butylbenzene, tert-	98-06-6	4.1E+04	n	3.0E+02	n	3.0E+04	n	>S					4.1E+04	n	1.5E+02	n	1.5E+04	n	>S						
Cacodylic acid	75-60-5	2.0E+03	n	4.4E-01	n	4.4E+01	n						2.0E+03	n	2.2E-01	n	2.2E+01	n							
Cadmium	7440-43-9	8.5E+02	n	1.5E+00	m	>S	1.5E+02	m	>S				8.5E+02	n	7.5E-01	m	>S	7.5E+01	m	>S					
Calcium*	7440-70-2																								
Caprolactam	105-60-2	3.4E+05	n	1.4E+02	n	1.4E+04	n						3.4E+05	n	7.0E+01	n	7.0E+03	n							
Captan	133-06-2	5.5E+03	c	1.5E+02	c	>S	1.5E+04	c	>S				5.5E+03	c	7.5E+01	c	>S	7.5E+03	c	>S					
Carbaryl	63-25-2	6.8E+04	n	8.2E+01	n	8.2E+03	n	>S					6.8E+04	n	4.1E+01	n	4.1E+03	n	>S						
Carbazole	86-74-8	9.5E+02	c	1.0E+01	c	1.0E+03	c	>S					9.5E+02	c	5.1E+00	c	5.1E+02	c	>S						
Carbofuran	1563-66-2	3.4E+03	n	1.2E-01	m	1.2E+01	m						3.4E+03	n	6.2E-02	m	6.2E+00	m							
Carbon disulfide	75-15-0	1.3E+04	n	4.1E+01	n	4.1E+03	n	1.5E+04	n	3.8E+04	n	>S	7.2E+03	n	2.0E+01	n	2.0E+03	n	7.7E+03	n	2.4E+03	n			
Carbon tetrachloride	56-23-5	8.1E+01	c	6.2E-02	m	6.2E+00	m	1.0E+02	c	4.1E+02	c		4.6E+01	c	3.1E-02	m	3.1E+00	m	5.2E+01	c	2.6E+01	c			
Carbophenothion	786-19-6	8.9E+03	n	4.4E+03	n	4.4E+05	n	>S					8.9E+03	n	2.2E+03	n	2.2E+05	n	>S						
Carbosulfan	55285-14-8	6.8E+03	n	7.5E+02	n	>S	7.5E+04	n	>S				6.8E+03	n	3.8E+02	n	>S	3.8E+04	n	>S					
Carboxin	5234-68-4	6.8E+04	n	2.6E+02	n	2.6E+04	n	>S					6.8E+04	n	1.3E+02	n	1.3E+04	n	>S						
Chloral	75-87-6	1.0E+05	n	1.6E+01	n	1.6E+03	n						1.0E+05	n	7.9E+00	n	7.9E+02	n							
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	6.8E+04	n	1.6E+01	n	1.6E+03	n						6.8E+04	n	7.8E+00	n	7.8E+02	n							
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	1.0E+04	n	1.1E+01	n	1.1E+03	n						1.0E+04	n	5.6E+00	n	5.6E+02	n							
Chlordane (technical)	12789-03-6	6.6E+01	c	9.6E+00	m	9.6E+02	m	>S	2.1E+03	c	1.0E+06	c	>S	6.4E+01	c	4.8E+00	m	4.8E+02	m	>S	1.1E+03	c	4.0E+05	c	>S
Chlordane, cis- (alpha chlordane)	5103-71-9	5.4E+01	c	1.7E+03	c	1.7E+05	c	>S	6.9E+03	c	1.0E+06	c	>S	5.4E+01	c	8.3E+02	c	8.3E+04	c	>S	3.5E+03	c	1.0E+06	c	>S
Chlordane, gamma	5103-74-2	5.3E+01	c	9.2E+01	c	9.2E+03	c	>S	1.6E+03	c	1.0E+06	c	>S	5.1E+01	c	4.6E+01	c	4.6E+03	c	>S	8.4E+02	c	2.6E+05	c	>S
Chlorfenvinphos	470-90-6	3.9E+01	n	2.7E+00	n	2.7E+02	n	4.3E+01	n				2.1E+01	n	1.4E+00	n	1.4E+02	n	2.2E+01	n					
Chloride*	16887-00-6																								
Chlorine	7782-50-5	3.2E+00	n		m		m	3.2E+00	n		n 3W Ing		1.7E+00	n		m		m	1.7E+00	n		n 3W Ing			
Chloro-1,3-butadiene, 2-	126-99-8	2.0E+00	c					2.0E+00	c	4.4E+00	c		1.0E+00	c					1.0E+00	c	2.8E-01	c			
Chloro-2-propanol, 1-	127-00-4	2.0E+04	n	3.2E+00	n	3.2E+02	n						2.0E+04	n	1.6E+00	n	1.6E+02	n							
Chloro-3-methylphenol, 4-	59-50-7	3.4E+03	n	1.4E+01	n	1.4E+03	n						3.4E+03	n	6.8E+00	n	6.8E+02	n							
Chloroaniline, p-	106-47-8	9.5E+01	c	4.7E-02	c	4.7E+00	c						9.5E+01	c	2.3E-02	c	2.3E+00	c							
Chlorobenzene	108-90-7	1.0E+03	n	1.1E+00	m	1.1E+02	m	1.1E+03	n	1.8E+04	n	>S	5.4E+02	n	5.5E-01	m	5.5E+01	m	5.5E+02	n	1.1E+03	n			
Chlorobenzilate	510-15-6	6.3E+01	c	2.6E-01	c	2.6E+01	c	5.9E+02	c	4.0E+05	c	>S	5.7E+01	c	1.3E-01	c	1.3E+01	c	3.0E+02	c	2.6E+04	c	>S		
Chlorobromomethane (bromochloromethane)	74-97-5	4.1E+04	n	9.1E+00	n	9.1E+02	n						4.1E+04	n	4.5E+00	n	4.5E+02	n							
Chlorodifluoromethane	75-45-6	1.0E+06	n					1.0E+06	n	1.0E+06	n	>S	5.5E+05	n					5.5E+05	n	8.1E+04	n	>S		
Chloroethane (ethyl chloride)	75-00-3	1.4E+05	n	9.2E+01	n	9.2E+03	n	2.1E+05	n	5.1E+05	n	>S	8.7E+04	n	4.6E+01	n	4.6E+03	n	1.1E+05	n	3.3E+04	n	>S		
Chloroethanol, 2-	107-07-3	4.1E+05	n	5.8E+01	n	5.8E+03	n						4.1E+05	n	2.9E+01	n	2.9E+03	n							
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	6.4E+00	n	6.5E-03	c	6.5E-01	c	6.4E+00	n	9.5E+01	n		3.3E+00	n	3.2E-03	c	3.2E-01	c	3.3E+00	n	6.2E+00	n			
Chloroform	67-66-3	2.6E+01	c	3.0E+00	n	3.0E+02	n	2.6E+01	c	1.4E+02	c		1.3E+01	c	1.5E+00	n	1.5E+02	n	1.3E+01	c	9.0E+00	c			
Chlorohexane, 1-	544-10-5	1.4E+04	n	1.2E+02	n	1.2E+04	n	>S	2.1E+04	n	4.1E+05	n	>S	8.7E+03	n	5.9E+01	n	5.9E+03	n	>S	1.1E+04	n	2.6E+04	n	>S
Chloromethane (methyl chloride)	74-87-3	2.9E+02	c	9.1E-01	c	9.1E+01	c	3.3E+02	c	3.5E+02	c		1.6E+02	c	4.5E-01	c	4.5E+01	c	1.7E+02	c	2.3E+01	c			
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	5.0E+04	n	2.2E+03	n	2.2E+05	n	>S					5.0E+04	n	1.1E+03	n	1.1E+05	n	>S						
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	5.0E+04	n	2.0E+03	n	2.0E+05	n	>S					5.0E+04	n	1.0E+03	n	1.0E+05	n	>S						
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	7.8E+01	n	4.6E-01	n	4.6E+01	n	8.8E+01	n	6.7E+03	n	>S	4.2E+01	n	2.3E-01	n	2.3E+01	n	4.5E+01	n	4.3E+02	n			
Chlorophenol, 2-	95-57-8	5.1E+03	n	4.9E+00	n	4.9E+02	n						5.1E+03	n	2.4E+00	n	2.4E+02	n							
Chlorophenol, 3-	108-43-0	3.4E+03	n	2.3E+00	n	2.3E+02	n						3.4E+03	n	1.2E+00	n	1.2E+02	n							
Chlorophenol, 4-	106-48-9	3.4E+03	n	2.5E+00	n	2.5E+02	n						3.4E+03	n	1.2E+00	n	1.2E+02	n							
Chlorophenyl phenylether, 4-	7005-72-3	9.8E-01	c	7.2E-02	c	7.2E+00	c	4.2E+00	c	1.1E+03	c	>S	8.0E-01	c	3.6E-02	c	3.6E+00	c	2.2E+00	c	7.0E+01	c			
Chloropropane, 2-	75-29-6	2.0E+03	n	1.6E+01	n	1.6E+03	n	2.1E+03	n	4.8E+03	n		1.1E+03	n	8.1E+00	n	8.1E+02	n	1.1E+03	n	3.1E+02	n			
Chlorothalnil	1897-45-6	1.7E+03	c	1.8E+01	c	1.8E+03	c						1.7E+03	c	9.1E+00	c	9.1E+02	c							
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	7.8E+03	n	2.7E+01	n	2.7E+03	n	1.8E+04	n	6.1E+05	n	>S	5.6E+03	n	1.4E+01	n	1.4E+03	n	9.5E+03	n	4.0E+04	n	>S		
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	2.0E+04	n	3.2E+01	n	3.2E+03	n	>S					2.0E+04	n	1.6E+01	n	1.6E+03	n	>S						
Chlorpyrifos	2921-88-2	2.0E+03	n	4.4E+01	n	4.4E+03	n	>S					2.0E+03	n	2.2E+01	n	2.2E+03	n	>S						
Chromium (III)	16065-83-1	1.2E+05	n	2.4E+03	m	>S	2.4E+05	m	>S				7.5E+04	n	1.2E+03	m	>S	1.2E+05	m	>S					
Chromium (total)	7440-47-3	1.2E+05	n	2.4E+03	m	>S	2.4E+05	m	>S				7.5E+04	n	1.2E+03	m	>S	1.2E+05	m	>S					
Chromium (VI)	18540-29-9	1.0E+03	n	2.8E+01	m	>S	2.8E+03	m	>S				1.0E+03	n	1.4E+01	m	>S	1.4E+03	m	>S					
Chrysene	218-01-9	2.4E+03	c	3.5E+03	c	>S	3.5E+05	c	>S	9.9E+05	c	1.0E+06	c	>S	2.4E+03	c	1.7E+03	c	>S	5.1E+05	c	1.0E+06	c	>S	
Cobalt	7440-48-4	2.8E+02	n	2.0E+01	n	>S	2.0E+03	n	>S				2.7E+02	n	9.9E+00	n	>S	9.9E+02	n	>S					
Copolymer acrylamide	69418-26-4	1.4E+02	n	2.8E-02	n	2.8E+00	n						1.4E+02	n	1.4E-02	n	1.4E+00	n							

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area											
Chemical of Concern	CAS	TotSoil ¹ Comb ² (mg/kg)	note3	GW ³ Soil Ing (mg/kg)	note3	GW ³ Soil Class3 (mg/kg)	note3	Air ⁴ Soil Inh- _v (mg/kg)	note3	Air ⁴ GW- _v Soil Inh-V (mg/kg)	note3	GW ³ Soil for Secondary MCL (mg/kg)	TotSoil ¹ Comb ² (mg/kg)	note3	GW ³ Soil Ing (mg/kg)	note3	GW ³ Soil Class3 (mg/kg)	note3	Air ⁴ Soil Inh- _v (mg/kg)	note3	Air ⁴ GW- _v Soil Inh-V (mg/kg)	note3	GW ³ Soil for Secondary MCL (mg/kg)
Copper	7440-50-8	3.9E+04	n	1.0E+03	a >S	1.0E+05	a >S					8.0E+02	3.9E+04	n	5.2E+02	a >S	5.2E+04	a >S					4.0E+02
Coronene	191-07-1	1.4E+03	n	1.7E+05	n >S	1.0E+06	n >S						1.4E+03	n	8.4E+04	n >S	1.0E+06	n >S					
Coumaphos	56-72-4	4.8E+03	n	3.3E+02	n >S	3.3E+04	n >S						4.8E+03	n	1.6E+02	n >S	1.6E+04	n >S					
Cresol	1319-77-3	3.4E+04	n	2.0E+01	n	2.0E+03	n						3.4E+04	n	9.9E+00	n	9.9E+02	n					
Cresol, m- (3-methylphenol)	108-39-4	3.4E+04	n	2.0E+01	n	2.0E+03	n						3.4E+04	n	9.9E+00	n	9.9E+02	n					
Cresol, o- (2-methylphenol)	95-48-7	3.4E+04	n	2.1E+01	n	2.1E+03	n						3.4E+04	n	1.1E+01	n	1.1E+03	n					
Cresol, p- (4-methylphenol)	106-44-5	3.4E+03	n	1.9E+00	n	1.9E+02	n						3.4E+03	n	9.4E-01	n	9.4E+01	n					
Crotonaldehyde	123-73-9	1.5E+01	c	2.1E-03	c	2.1E-01	c						1.5E+01	c	1.1E-03	c	1.1E-01	c					
Cumene (isopropylbenzene)	98-82-8	1.1E+04	n	1.0E+03	n	1.0E+05	n >S	1.3E+04	n	8.7E+05	n >S		6.3E+03	n	5.2E+02	n	5.2E+04	n >S	6.7E+03	n	5.7E+04	n	>S
Cyanazine	21725-46-2	2.3E+01	c	9.4E-03	c	9.4E-01	c						2.3E+01	c	4.7E-03	c	4.7E-01	c					
Cyanide	57-12-5	5.8E+02	n	4.0E+01	m	4.0E+03	m						5.8E+02	n	2.0E+01	m	2.0E+03	m					
Cyanogen	460-19-5	1.7E+01	n	1.8E-01	n	1.8E+01	n	1.7E+01	n	2.5E+01	n		8.8E+00	n	9.1E-02	n	9.1E+00	n	8.8E+00	n	1.6E+00	n	
Cycloate	1134-23-2	3.7E+04	n	4.5E+02	n	4.5E+04	n >S						3.7E+04	n	2.3E+02	n	2.3E+04	n >S					
Cyclohexane	110-82-7	1.3E+05	n	1.8E+04	n >S	1.0E+06	n >S	1.3E+05	n	4.0E+05	n >S		6.5E+04	n	8.8E+03	n >S	8.8E+05	n >S	6.6E+04	n	2.6E+04	n	>S
Cyclohexanol	108-93-0	1.0E+06	n	8.8E+02	n >S	8.8E+04	n >S						1.0E+06	n	4.4E+02	n >S	4.4E+04	n >S					
Cyclohexanone	108-94-1	4.9E+04	n	7.8E+02	n	7.8E+04	n >S	4.9E+04	n	1.0E+06	n >S		2.5E+04	n	3.9E+02	n	3.9E+04	n >S	2.5E+04	n	2.7E+05	n	>S
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)	100-40-3	5.4E+03	n	9.1E+01	n	9.1E+03	n >S	7.1E+03	n	8.7E+04	n >S		3.1E+03	n	4.6E+01	n	4.6E+03	n >S	3.6E+03	n	5.6E+03	n	>S
Cyclohexene-1-methanol, 3-	1679-51-2	2.0E+04	n	1.1E+01	n	1.1E+03	n						2.0E+04	n	5.6E+00	n	5.6E+02	n					
Cyclopentane	287-92-3	5.5E+04	n	8.4E+01	n	8.4E+03	n >S	5.2E+05	n	9.9E+05	n >S		5.0E+04	n	4.2E+01	n	4.2E+03	n >S	2.7E+05	n	6.4E+04	n	>S
Cyclopentane, methyl-	96-37-7	1.8E+04	n	4.1E+02	n	4.1E+04	n >S	2.1E+04	n	5.3E+04	n >S		1.0E+04	n	2.0E+02	n	2.0E+04	n >S	1.1E+04	n	3.4E+03	n	>S
Cyclopentene	142-29-0	1.0E+06	n	3.2E+03	n	3.2E+05	n >S						1.0E+06	n	1.6E+03	n	1.6E+05	n >S					
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	1.2E+04	n	7.0E+00	n	7.0E+02	n						1.2E+04	n	3.5E+00	n	3.5E+02	n					
Cyclotrimethylenetrinitramine (RDX)	121-82-4	1.7E+02	c	8.3E-02	c	8.3E+00	c						1.7E+02	c	4.1E-02	c	4.1E+00	c					
Cymene (isopropyltoluene)	99-87-6	1.0E+05	n	6.9E+02	n	6.9E+04	n >S						1.0E+05	n	3.5E+02	n	3.5E+04	n >S					
Cymoxanil	57966-95-7	8.9E+03	n	1.8E+00	n	1.8E+02	n						8.9E+03	n	9.1E-01	n	9.1E+01	n					
Dacthal (DCPA)	1861-32-1	6.8E+03	n	1.4E+03	n >S	1.4E+05	n >S						6.8E+03	n	6.8E+02	n >S	6.8E+04	n >S					
Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E+04	n	5.8E-01	m	5.8E+01	m						2.0E+04	n	2.9E-01	m	2.9E+01	m					
DDD	72-54-8	1.0E+02	c	2.9E+01	c	2.9E+03	c >S						1.0E+02	c	1.5E+01	c	1.5E+03	c >S					
DDE	72-55-9	7.3E+01	c	2.6E+01	c	2.6E+03	c >S						7.3E+01	c	1.3E+01	c	1.3E+03	c >S					
DDT	50-29-3	7.1E+01	c	3.3E+01	c >S	3.3E+03	c >S	2.0E+03	c	1.0E+06	c >S		6.8E+01	c	1.7E+01	c >S	1.7E+03	c >S	1.0E+03	c	3.7E+05	c	>S
Demeton	8065-48-3	2.7E+01	n	3.7E-02	n	3.7E+00	n						2.7E+01	n	1.9E-02	n	1.9E+00	n					
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	2.7E+04	n	5.8E+00	n	5.8E+02	n						2.7E+04	n	2.9E+00	n	2.9E+02	n					
Diallate	2303-16-4	3.1E+02	c	2.6E+00	c	2.6E+02	c						3.1E+02	c	1.3E+00	c	1.3E+02	c					
Diazinon	333-41-5	7.9E+01	n	4.7E-01	n	4.7E+01	n	9.1E+01	n	4.0E+04	n >S		4.3E+01	n	2.4E-01	n	2.4E+01	n	4.7E+01	n	2.6E+03	n	>S
Dibenz(a,h)acridine	226-36-8	1.6E+01	c	1.3E+02	c >S	1.3E+04	c >S	2.6E+04	c	1.0E+06	c >S		1.6E+01	c	6.5E+01	c >S	6.5E+03	c >S	1.3E+04	c	1.0E+06	c	>S
Dibenz(a,j)acridine	224-42-0	2.4E+01	c	2.5E+02	c >S	2.5E+04	c >S	3.5E+04	c	1.0E+06	c >S		2.4E+01	c	1.3E+02	c >S	1.3E+04	c >S	1.8E+04	c	1.0E+06	c	>S
Dibenz(a,h)anthracene	53-70-3	2.4E+00	c	2.1E+01	c	2.1E+03	c >S	3.3E+03	c	1.0E+06	c >S		2.4E+00	c	1.1E+01	c	1.1E+03	c >S	1.7E+03	c	1.0E+06	c	>S
Dibenzo(a,e)pyrene	192-65-4	2.6E+00	c	2.9E+02	c >S	2.9E+04	c >S	1.2E+04	c	1.0E+06	c >S		2.6E+00	c	1.5E+02	c >S	1.5E+04	c >S	6.2E+03	c	1.0E+06	c	>S
Dibenzo(a,h)pyrene	189-64-0	2.6E-01	c	2.7E+01	c >S	2.7E+03	c >S	1.2E+03	c	1.0E+06	c >S		2.6E-01	c	1.3E+01	c >S	1.3E+03	c >S	6.0E+02	c	1.0E+06	c	>S
Dibenzo(a,i)pyrene	189-55-9	2.6E-01	c	2.7E+01	c	2.7E+03	c >S	1.2E+03	c	1.0E+06	c >S		2.6E-01	c	1.3E+01	c	1.3E+03	c >S	6.0E+02	c	1.0E+06	c	>S
Dibenzofuran	132-64-9	2.7E+03	n	1.0E+02	n	1.0E+04	n >S						2.7E+03	n	5.0E+01	n	5.0E+03	n >S					
Dibenzothiophene	132-65-0	2.0E+03	n	3.0E+02	n >S	3.0E+04	n >S						2.0E+03	n	1.5E+02	n >S	1.5E+04	n >S					
Dibromo-3-chloropropane, 1,2-	96-12-8	2.6E-01	c	1.7E-03	m	1.7E-01	m	2.6E-01	c	9.0E+00	c		1.4E-01	c	8.7E-04	m	8.7E-02	m	1.4E-01	c	5.9E-01	c	
Dibromochloromethane (chlorodibromomethane)	124-48-1	3.4E+02	c	1.1E-01	c	1.1E+01	c						3.4E+02	c	5.5E-02	c	5.5E+00	c					
Dibromofluoromethane	1868-53-7	2.0E+05	n	4.7E+01	n	4.7E+03	n						2.0E+05	n	2.3E+01	n	2.3E+03	n					
Dicamba	1918-00-9	2.0E+04	n	4.4E+00	n	4.4E+02	n						2.0E+04	n	2.2E+00	n	2.2E+02	n					
Dichlorimid	37764-25-3	1.7E+04	n	7.8E+00	n	7.8E+02	n						1.7E+04	n	3.9E+00	n	3.9E+02	n					
Dichloro-2-butene, 1,4-	764-41-0	3.3E-01	c					3.3E-01	c	1.0E+01	c		1.7E-01	c					1.7E-01	c	6.7E-01	c	
Dichloro-2-butene, 1,4- trans	110-57-6	3.4E-01	c					3.4E-01	c	1.1E+01	c		1.8E-01	c					1.8E-01	c	7.2E-01	c	
Dichlorobenzene, 1,2-	95-50-1	1.1E+03	n	1.8E+01	m	1.8E+03	m	1.1E+03	n	4.8E+04	n >S		5.7E+02	n	8.9E+00	m	8.9E+02	m	5.7E+02	n	3.1E+03	n	>S
Dichlorobenzene, 1,3-	541-73-1	1.7E+02	n	2.0E+01	n	2.0E+03	n >S	1.7E+02	n	2.4E+03	n >S		8.8E+01	n	1.0E+01	n	1.0E+03	n >S	8.8E+01	n	1.6E+02	n	
Dichlorobenzene, 1,4-	106-46-7	1.2E+03	c	2.1E+00	m	2.1E+02	m	3.4E+03	n	1.4E+05	n >S		1.2E+03	c	1.1E+00	m	1.1E+02	m	1.8E+03	n	9.1E+03	n	>S
Dichlorobenzidine, 3,3'-	91-94-1	4.2E+01	c	1.4E-01	c	1.4E+01	c						4.2E+01	c	7.0E-02	c	7.0E+00	c					
Dichlorobutane, 2,3-	7581-97-7	1.5E+02	n	7.7E+00	n	7.7E+02	n	1.5E+02	n	2.1E+03	n		7.7E+01	n	3.8E+00	n	3.8E+02	n	7.7E+01	n	1.4E+02	n	
Dichlorodifluoromethane	75-71-8	2.1E+03	n	7.2E+02	n	7.2E+04	n >S	2.1E+03	n	4.1E+03	n		1.1E+03	n	3.6E+02	n	3.6E+04	n >S	1.1E+03	n	2.7E+02	n	3W Ing
Dichloroethane, 1,1-	75-34-3	4.1E+04	n	5.5E+01	n	5.5E+03	n	5.2E+04	n	2.3E+05	n >S		2.3E+04	n	2.8E+01	n	2.8E+03	n	2.7E+04	n	1.5E+04	n	>S

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area															
Chemical of Concern	CAS	Tot Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh- ⁴		Air GW- Soil Inh-V		GW Soil for Secondary MCL (mg/kg)	Tot Soil Comb ²		GW Soil Ing		GW Soil Class3		Air Soil Inh- ⁴		Air GW- Soil Inh-V		GW Soil for Secondary MCL (mg/kg)				
		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3							
Dichloroethane, 1,2-	107-06-2	2.2E+01	c	1.4E-02	m	1.4E+00	m	2.3E+01	c	1.5E+02	c		1.1E+01	c	6.9E-03	m	6.9E-01	m	1.2E+01	c	9.8E+00	c					
Dichloroethylene, 1,1-	75-35-4	6.4E+03	n	5.0E-02	m	5.0E+00	m	7.3E+03	n	1.7E+04	n		3.5E+03	n	2.5E-02	m	2.5E+00	m	3.8E+03	n	1.1E+03	n					
Dichloroethylene, cis-1,2-	156-59-2	7.9E+02	n	2.5E-01	m	2.5E+01	m	1.3E+03	n	6.1E+03	n		5.0E+02	n	1.2E-01	m	1.2E+01	m	6.6E+02	n	3.9E+02	n					
Dichloroethylene, trans-1,2	156-60-5	1.2E+03	n	4.9E-01	m	4.9E+01	m	1.3E+03	n	5.3E+03	n		6.4E+02	n	2.5E-01	m	2.5E+01	m	6.6E+02	n	3.4E+02	n					
Dichlorofluoromethane	75-43-4	2.0E+05	n	4.2E+01	n	4.2E+03	n						2.0E+05	n	2.1E+01	n	2.1E+03	n									
Dichlorophenol, 2,3-	576-24-9	2.0E+03	n	1.6E+00	n	1.6E+02	n						2.0E+03	n	8.1E-01	n	8.1E+01	n									
Dichlorophenol, 2,4-	120-83-2	2.0E+03	n	1.1E+00	n	1.1E+02	n						2.0E+03	n	5.3E-01	n	5.3E+01	n									
Dichlorophenol, 2,5-	583-78-8	2.0E+03	n	1.5E+00	n	1.5E+02	n						2.0E+03	n	7.5E-01	n	7.5E+01	n									
Dichlorophenol, 2,6-	87-65-0	6.8E+02	n	2.0E-01	n	2.0E+01	n						6.8E+02	n	1.0E-01	n	1.0E+01	n									
Dichlorophenol, 3,4-	95-77-2	2.0E+03	n	6.0E+00	n	6.0E+02	n						2.0E+03	n	3.0E+00	n	3.0E+02	n									
Dichlorophenol, 3,5-	591-35-5	2.0E+03	n	4.0E+00	n	4.0E+02	n						2.0E+03	n	2.0E+00	n	2.0E+02	n									
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	5.5E+03	n	1.2E+00	n	1.2E+02	n						5.5E+03	n	5.8E-01	n	5.8E+01	n									
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	8.2E+03	n	2.6E+00	m	2.6E+02	m						8.2E+03	n	1.3E+00	m	1.3E+02	m									
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	6.8E+03	n	1.4E+00	n	1.4E+02	n						6.8E+03	n	7.0E-01	n	7.0E+01	n									
Dichloropropane, 1,2-	78-87-5	8.6E+01	n	2.3E-02	m	2.3E+00	m	8.6E+01	n	7.4E+02	n		4.4E+01	n	1.1E-02	m	1.1E+00	m	4.4E+01	n	4.8E+01	n					
Dichloropropane, 1,3-	142-28-9	9.9E+01	c	1.4E-01	c	1.4E+01	c	1.5E+02	c	3.0E+03	c		6.1E+01	c	7.2E-02	c	7.2E+00	c	7.7E+01	c	2.0E+02	c					
Dichloropropane, 2,2-	594-20-7	8.6E+01	n	2.7E-01	c	2.7E+01	c	8.6E+01	n	7.1E+02	n		4.4E+01	n	1.4E-01	c	1.4E+01	c	4.4E+01	n	4.6E+01	n					
Dichloropropanol, 2,3-	616-23-9	2.0E+03	n	7.2E-01	n	7.2E+01	n						2.0E+03	n	3.6E-01	n	3.6E+01	n									
Dichloropropene, 1,1-	563-58-6	9.9E+01	c	3.0E-01	c	3.0E+01	c	1.5E+02	c	4.8E+02	c		6.1E+01	c	1.5E-01	c	1.5E+01	c	7.7E+01	c	3.1E+01	c					
Dichloropropene, 1,3- (mixed isomers)	542-75-6	9.9E+01	c	8.8E-02	c	8.8E+00	c	1.5E+02	c	1.3E+03	c		6.1E+01	c	4.4E-02	c	4.4E+00	c	7.7E+01	c	8.3E+01	c					
Dichloropropene, cis 1,3-	10061-01-5	5.3E+01	c	1.5E-02	c	1.5E+00	c	4.3E+02	n	3.8E+03	n		5.3E+01	c	7.4E-03	c	7.4E-01	c	2.2E+02	n	2.5E+02	n					
Dichloropropene, trans 1,3-	10061-02-6	9.9E+01	c	8.0E-02	c	8.0E+00	c	1.5E+02	c	1.3E+03	c		6.1E+01	c	4.0E-02	c	4.0E+00	c	7.7E+01	c	8.1E+01	c					
Dichlorvos	62-73-7	6.6E+01	c	1.0E+06	c	1.0E+06	c	1.0E+06	n	1.0E+06	n		6.6E+01	c	5.5E+05	c	1.0E+06	c	8.7E+05	n	1.0E+06	n					
Dicrotophos (bidrin)	141-66-2	6.8E+01	n	1.4E-02	n	1.4E+00	n						6.8E+01	n	7.0E-03	n	7.0E-01	n									
Dicyclopentadiene	77-73-6	8.2E+03	n		n		n						8.2E+03	n		n		n									
Dieldrin	60-57-1	1.2E+00	c	1.1E-01	c	1.1E+01	c	5.3E+01	c	1.8E+05	c	>S	1.1E+00	c	5.5E-02	c	5.5E+00	c	2.7E+01	c	1.2E+04	c	>S				
Diethanolamine	111-42-2	3.4E+02	n	7.0E-02	n	7.0E+00	n						3.4E+02	n	3.5E-02	n	3.5E+00	n									
Diethyl phthalate	84-66-2	5.5E+05	n	4.7E+02	n	4.7E+04	n	>S					5.5E+05	n	2.3E+02	n	2.3E+04	n	>S								
Diethylene glycol	111-46-6	1.0E+06	n	2.8E+02	n	2.8E+04	n						1.0E+06	n	1.4E+02	n	1.4E+04	n									
Diethylene glycol monobutyl ether	112-34-5	2.8E+01	n	4.7E+00	n	4.7E+02	n	2.8E+01	n	9.6E+03	n		1.5E+01	n	2.3E+00	n	2.3E+02	n	1.5E+01	n	6.2E+02	n					
Diethylhexyl adipate	103-23-1	1.6E+04	c	6.1E+03	m	>S	6.1E+05	m	>S				1.6E+04	c	3.0E+03	m	>S	3.0E+05	m	>S							
Diethylstilbestrol	56-53-1	4.1E-03	c	1.3E-03	c	1.3E-01	c						4.1E-03	c	6.5E-04	c	6.5E-02	c									
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	4.0E+03	n	1.8E+03	n	>S	1.8E+05	n	>S	4.3E+03	n	1.3E+04	n	>S	2.1E+03	n	9.0E+02	n	>S	9.0E+04	n	>S	2.2E+03	n	8.6E+02	n	>S
Diisopropylbenzene, p-	100-18-5	1.0E+04	n	2.8E+02	n	2.8E+04	n	>S					1.0E+04	n	1.4E+02	n	1.4E+04	n	>S								
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	1.3E+04	n	3.6E+01	n	3.6E+03	n	1.5E+04	n	1.3E+05	n	>S	7.2E+03	n	1.8E+01	n	1.8E+03	n	7.7E+03	n	8.7E+03	n	>S				
Dimethenamid	87674-68-8	1.0E+04	n	3.1E+00	n	3.1E+02	n						1.0E+04	n	1.5E+00	n	1.5E+02	n									
Dimethoate	60-51-5	1.4E+02	n	3.0E-02	n	3.0E+00	n						1.4E+02	n	1.5E-02	n	1.5E+00	n									
Dimethoxybenzidine, 3,3'-	119-90-4	1.4E+03	c	6.3E-01	c	6.3E+01	c						1.4E+03	c	3.2E-01	c	3.2E+01	c									
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.4E+03	n	1.1E+00	n	1.1E+02	n						1.4E+03	n	5.6E-01	n	5.6E+01	n									
Dimethyl phenol, 2,4-	105-67-9	1.4E+04	n	9.7E+00	n	9.7E+02	n						1.4E+04	n	4.8E+00	n	4.8E+02	n									
Dimethylaminoazobenzene, p-	60-11-7	6.8E+00	n	3.4E+00	n	3.4E+02	n						6.8E+00	n	1.7E+00	n	1.7E+02	n									
Dimethylbenz-a-anthracene, 7,12-	57-97-6	6.9E-02	c	2.8E+00	c	2.8E+02	c	2.4E+02	c	1.0E+06	c	>S	6.9E-02	c	1.4E+00	c	1.4E+02	c	1.2E+02	c	1.0E+06	c	>S				
Dimethylbenzidine, 3,3'-	119-93-7	1.7E+00	c	1.8E-03	c	1.8E-01	c						1.7E+00	c	9.2E-04	c	9.2E-02	c									
Dimethylnaphthalene, 1,3-	575-41-7	2.5E+04	n	2.4E+03	n	2.4E+05	n	>S					2.5E+04	n	1.2E+03	n	1.2E+05	n	>S								
Dimethylphthalate	131-11-3	5.5E+05	n	1.9E+02	n	1.9E+04	n	>S					5.5E+05	n	9.3E+01	n	9.3E+03	n	>S								
Di-n-butyl phthalate	84-74-2	6.8E+04	n	9.9E+03	n	9.9E+05	n	>S					6.8E+04	n	5.0E+03	n	5.0E+05	n	>S								
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	6.8E+01	n	1.4E-02	n	1.4E+00	n						6.8E+01	n	7.0E-03	n	7.0E-01	n									
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	6.8E+01	n	2.3E-02	n	2.3E+00	n						6.8E+01	n	1.1E-02	n	1.1E+00	n									
Dinitrobenzene, 1,4-	100-25-4	6.8E+01	n	2.2E-02	n	2.2E+00	n						6.8E+01	n	1.1E-02	n	1.1E+00	n									
Dinitrophenol, 2,4-	51-28-5	1.4E+03	n	2.8E-01	n	2.8E+01	n						1.4E+03	n	1.4E-01	n	1.4E+01	n									
Dinitrophenol, 2,5-	329-71-5	1.4E+03	n	2.9E-01	n	2.9E+01	n						1.4E+03	n	1.4E-01	n	1.4E+01	n									
Dinitrotoluene, 2,4-	121-14-2	2.8E+01	c	1.2E-02	c	1.2E+00	c						2.8E+01	c	6.0E-03	c	6.0E-01	c									
Dinitrotoluene, 2,6-	606-20-2	2.8E+01	c	1.1E-02	c	1.1E+00	c						2.8E+01	c	5.4E-03	c	5.4E-01	c									
Di-n-octyl phthalate	117-84-0	2.7E+04	n	1.0E+06	n	>S	1.0E+06	n	>S				2.7E+04	n	1.0E+06	n	>S	1.0E+06	n	>S							
Dinoseb	88-85-7	6.8E+02	n	3.5E-01	m	3.5E+01	m						6.8E+02	n	1.8E-01	m	1.8E+01	m									
Dioxane 1,4-	123-91-1	2.9E+02</																									

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area											
Chemical of Concern	CAS	Tot Soil Comb ² (mg/kg)	note3	GW Soil Ing (mg/kg)	note3	GW Soil Class3 (mg/kg)	note3	Air Soil Inh- V ⁴ (mg/kg)	note3	Air GW- Soil Inh-V (mg/kg)	note3	GW Soil for Secondary MCL (mg/kg)	Tot Soil Comb ² (mg/kg)	note3	GW Soil Ing (mg/kg)	note3	GW Soil Class3 (mg/kg)	note3	Air Soil Inh- V ⁴ (mg/kg)	note3	Air GW- Soil Inh-V (mg/kg)	note3	GW Soil for Secondary MCL (mg/kg)
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)	1746-01-6	5.0E-03	n	1.7E-02	m	1.7E+00	m						5.0E-03	n	8.5E-03	m	8.5E-01	m					
Diphenyl ether	101-84-8	4.2E+03	n	2.7E+02	n	2.7E+04	n >S						4.2E+03	n	1.4E+02	n	1.4E+04	n >S					
Diphenylamine	122-39-4	1.7E+04	n	2.9E+01	n	2.9E+03	n						1.7E+04	n	1.4E+01	n	1.4E+03	n					
Diphenylhydrazine, 1,2-	122-66-7	2.2E+01	c	7.2E-02	c	7.2E+00	c	2.4E+02	c	1.8E+05	c >S		2.0E+01	c	3.6E-02	c	3.6E+00	c	1.2E+02	c	1.2E+04	c	
Dipropylene glycol	110-98-5	8.2E+04	n	1.7E+01	m	1.7E+03	n >S						8.2E+04	n	8.5E+00	n	8.5E+02	n					
Diquat	85-00-7	1.5E+03	n	2.0E-01	m	2.0E+01	m						1.5E+03	n	1.0E-01	m	1.0E+01	m					
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	142-73-4	6.8E+03	n	1.4E+00	n	1.4E+02	n						6.8E+03	n	7.0E-01	n	7.0E+01	n					
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	928-72-3	6.8E+03	n	1.4E+00	n	1.4E+02	n						6.8E+03	n	7.0E-01	n	7.0E+01	n					
Disulfoton	298-04-4	2.7E+01	n	1.0E+00	n	1.0E+02	n						2.7E+01	n	5.2E-01	n	5.2E+01	n					
Diuron	330-54-1	1.4E+03	n	2.8E+00	n	2.8E+02	n						1.4E+03	n	1.4E+00	n	1.4E+02	n					
Dodecylphenol, 4-	27193-86-8	3.4E+04	n	1.0E+06	n >S	1.0E+06	n >S						3.4E+04	n	1.0E+06	n >S	1.0E+06	n >S					
Dodecylphenol, 4-	104-43-8	3.4E+04	n	1.0E+06	n >S	1.0E+06	n >S						3.4E+04	n	1.0E+06	n >S	1.0E+06	n >S					
Endosulfan	115-29-7	4.1E+03	n	1.4E+01	n	1.4E+03	n >S						4.1E+03	n	6.9E+00	n	6.9E+02	n >S					
Endosulfan I	959-98-8	1.4E+03	n	9.2E+01	n	9.2E+03	n >S						1.4E+03	n	4.6E+01	n	4.6E+03	n >S					
Endosulfan II	33213-65-9	4.1E+03	n	2.8E+02	n	2.8E+04	n >S						4.1E+03	n	1.4E+02	n	1.4E+04	n >S					
Endosulfan sulfate	1031-07-8	4.1E+03	n	1.4E+04	n >S	1.0E+06	n >S						4.1E+03	n	7.0E+03	n >S	7.0E+05	n >S					
Endothall	145-73-3	1.4E+04	n	5.3E-01	m	5.3E+01	m						1.4E+04	n	2.7E-01	m	2.7E+01	m					
Endrin	72-20-8	2.0E+02	n	7.5E-01	m	7.5E+01	m						2.0E+02	n	3.8E-01	m	3.8E+01	m					
Endrin aldehyde	7421-93-4	2.0E+02	n	1.9E+03	n >S	1.9E+05	n >S						2.0E+02	n	9.4E+02	n >S	9.4E+04	n >S					
Endrin ketone	53494-70-5	2.0E+02	n	1.5E+02	n	1.5E+04	n >S						2.0E+02	n	7.6E+01	n	7.6E+03	n >S					
Epichlorohydrin	106-89-8	3.7E+01	n	4.1E-01	c	4.1E+01	c	3.7E+01	n	2.0E+03	n		1.9E+01	n	2.1E-01	c	2.1E+01	c	1.9E+01	n	1.3E+02	n	
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	6.8E+00	n	1.6E-01	n	1.6E+01	n						6.8E+00	n	8.2E-02	n	8.2E+00	n					
Esfenvalerate	66230-04-4	1.4E+03	n	3.7E+02	n >S	3.7E+04	n >S						1.4E+03	n	1.9E+02	n >S	1.9E+04	n >S					
Ethalfuralin (sonolan)	55283-68-6	2.1E+02	c	5.6E+01	c	5.6E+03	c						2.1E+02	c	2.8E+01	c	2.8E+03	c					
Ethanol	64-17-5	1.0E+06	n	4.7E+03	n	4.7E+05	n						1.0E+06	n	2.4E+03	n	2.4E+05	n					
Ethanol, 2-amino-	141-43-5	1.7E+03	n	2.4E-01	n	2.4E+01	n						1.7E+03	n	1.2E-01	n	1.2E+01	n					
Ethanol, 2-(2-aminoethoxy)-	929-06-6	5.1E+02	n	7.0E-02	n	7.0E+00	n						5.1E+02	n	3.5E-02	n	3.5E+00	n					
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	1.0E+06	n	4.9E+02	n	4.9E+04	n						1.0E+06	n	2.5E+02	n	2.5E+04	n					
Ethanol, 2-(methylamino)-	109-83-1	5.8E+03	n	2.2E+00	n	2.2E+02	n	9.0E+03	n	1.0E+06	n >S		3.6E+03	n	1.1E+00	n	1.1E+02	n	4.6E+03	n	1.8E+05	n	
Ethion	563-12-2	3.4E+02	n	2.3E+01	n	2.3E+03	n >S						3.4E+02	n	1.1E+01	n	1.1E+03	n >S					
Ethoprop	13194-48-4	6.8E+01	n	3.7E-01	n	3.7E+01	n						6.8E+01	n	1.8E-01	n	1.8E+01	n					
Ethoxy ethanol, 2-	110-80-5	4.3E+03	n	2.1E+02	n >S	2.1E+04	n >S	4.3E+03	n	5.1E+03	n >S		2.2E+03	n	1.1E+02	n >S	1.1E+04	n >S	2.2E+03	n	3.3E+02	n	>S
Ethyl acetate	141-78-6	9.2E+05	n	1.4E+02	n	1.4E+04	n						9.2E+05	n	7.0E+01	n	7.0E+03	n					
Ethyl acrylate	140-88-5	6.0E+02	c	2.7E-01	c	2.7E+01	c						6.0E+02	c	1.3E-01	c	1.3E+01	c					
Ethyl benzene	100-41-4	2.9E+04	n	7.6E+00	m	7.6E+02	m	4.1E+04	n	4.5E+05	n >S		1.7E+04	n	3.8E+00	m	3.8E+02	m	2.1E+04	n	2.9E+04	n	>S
Ethyl dipropylthiocarbamate, S-	759-94-4	1.7E+04	n	2.1E+01	m	2.1E+03	n						1.7E+04	n	1.1E+01	n	1.1E+03	n					
Ethyl ether	60-29-7	2.0E+05	n	3.3E+01	n	3.3E+03	n						2.0E+05	n	1.7E+01	n	1.7E+03	n					
Ethyl methacrylate	97-63-2	8.9E+03	n	2.2E+01	n	2.2E+03	n	9.9E+03	n	2.7E+05	n >S		4.8E+03	n	1.1E+01	n	1.1E+03	n	5.1E+03	n	1.8E+04	n	
Ethyl methanesulfonate	62-50-0	9.8E+01	c	4.0E-02	c	4.0E+00	c	2.0E+02	c	6.0E+04	c		6.7E+01	c	2.0E-02	c	2.0E+00	c	1.0E+02	c	3.9E+03	c	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	8.8E+02	n	2.7E-01	n	2.7E+01	n	6.4E+03	n	5.6E+04	n >S		7.8E+02	n	1.3E-01	n	1.3E+01	n	3.3E+03	n	3.6E+03	n	
Ethyl-1-hexanol, 2-	104-76-7	1.0E+05	n	2.3E+02	n	2.3E+04	n >S						1.0E+05	n	1.1E+02	n	1.1E+04	n >S					
Ethyl-2-hexenal, 2-	645-62-5	1.5E+05	n	8.4E+01	n	8.4E+03	n >S						1.5E+05	n	4.2E+01	n	4.2E+03	n >S					
Ethyl-2-methyl benzene, 1-	611-14-3	9.6E+03	n	1.7E+02	n	1.7E+04	n >S	1.2E+04	n	5.8E+05	n >S		5.4E+03	n	8.3E+01	n	8.3E+03	n >S	6.1E+03	n	3.8E+04	n	>S
Ethyl-4-methyl benzene, 1-	622-96-8	8.4E+03	n	1.8E+02	n	1.8E+04	n >S	1.0E+04	n	4.8E+05	n >S		4.7E+03	n	9.0E+01	n	9.0E+03	n >S	5.2E+03	n	3.1E+04	n	>S
Ethylene*	74-85-1																						
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	1.5E+00	c	2.1E-04	m	2.1E-02	m	1.6E+00	c	3.9E+01	c		7.9E-01	c	1.0E-04	m	1.0E-02	m	8.4E-01	c	2.5E+00	c	
Ethylene glycol	107-21-1	1.0E+06	n	2.8E+02	n	2.8E+04	n						1.0E+06	n	1.4E+02	n	1.4E+04	n					
Ethylene oxide	75-21-8	5.0E+00	c	4.0E-03	c	4.0E-01	c	6.0E+00	c	1.4E+02	c		2.8E+00	c	2.0E-03	c	2.0E-01	c	3.1E+00	c	9.2E+00	c	
Ethylene thiourea	96-45-7	5.5E+01	n	1.1E-02	n	1.1E+00	n						5.5E+01	n	5.6E-03	n	5.6E-01	n					
Ethylenediamine	107-15-3	9.2E+04	n	1.4E+01	n	1.4E+03	n						9.2E+04	n	6.9E+00	n	6.9E+02	n					
Ethyleneimine	151-56-4	1.5E-01	c	6.3E-05	c	6.3E-03	c	2.2E-01	c	4.7E+01	c		9.0E-02	c	3.1E-05	c	3.1E-03	c	1.1E-01	c	3.0E+00	c	
Ethylhexyl acrylate, 2-	103-11-7	4.0E+02	c	1.7E+01	c	1.7E+03	c						4.0E+02	c	8.6E+00	c	8.6E+02	c					
Famphur	52-85-7	2.0E+01	n	5.4E-03	n	5.4E-01	n						2.0E+01	n	2.7E-03	n	2.7E-01	n					

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area													

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area																
Chemical of Concern	CAS	Tot ¹ Soil ² Comb ³		GW ⁴ Soil ⁵ Ing		GW ⁶ Soil ⁷ Class3		Air ⁸ Soil ⁹ Inh- ¹⁰ V ⁴		Air ¹¹ GW- ¹² Soil ¹³ Inh- ¹⁴ V		GW ¹⁵ Soil for Secondary MCL	Tot ¹⁷ Soil ¹⁸ Comb ¹⁹		GW ²⁰ Soil ²¹ Ing		GW ²² Soil ²³ Class3		Air ²⁴ Soil ²⁵ Inh- ²⁶ V ⁴		Air ²⁷ GW- ²⁸ Soil ²⁹ Inh- ³⁰ V		GW ³¹ Soil for Secondary MCL					
		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3		(mg/kg)	note3			
Isosafrole	120-58-1	5.5E+01	c	2.9E-01	c	2.9E+01	c	1.5E+02	c	2.2E+04	c	>S		4.1E+01	c	1.5E-01	c	1.5E+01	c	7.9E+01	c	1.5E+03	c					
Kelthane (dicofol)	115-32-2	4.1E+03	n	2.2E+02	n	2.2E+04	n	>S						4.1E+03	n	1.1E+02	n	1.1E+04	n	>S								
Kepone (chlordecone)	143-50-0	1.9E+00	c	2.2E-01	c	2.2E+01	c	8.2E+01	c	4.3E+05	c	>S		1.8E+00	c	1.1E-01	c	1.1E+01	c	4.2E+01	c	2.8E+04	c	>S				
Lead (inorganic)	7439-92-1	1.6E+03	n	3.0E+00	a	>S		3.0E+02	a	>S				1.6E+03	n	1.5E+00	a	>S		1.5E+02	a	>S						
Leptophos	21609-90-5	4.6E+00	n	1.9E+00	n	1.9E+02	n	>S		4.7E+01	n	>S		4.2E+00	n	9.6E-01	n	9.6E+01	n	>S	2.4E+01	n	3.0E+04	n	>S			
Limonene, d-*	5989-27-5																											
Lithium ⁵	7439-93-2	1.9E+03	n		n		n							1.9E+03	n		n		n									
Magnesium*	7439-95-4																											
Malathion	121-75-5	2.8E+02	n	2.0E+01	n	2.0E+03	n	>S		2.8E+02	n	>S		1.4E+02	n	9.8E+00	n	9.8E+02	n	>S	1.4E+02	n	1.1E+04	n	>S			
Maleic anhydride	108-31-6	6.8E+04	n	2.1E+01	n	2.1E+03	n							6.8E+04	n	1.1E+01	n	1.1E+03	n									
Maleic hydrazide	123-33-1	3.4E+05	n	1.1E+02	n	1.1E+04	n							3.4E+05	n	5.3E+01	n	5.3E+03	n									
Malononitrile	109-77-3	6.8E+01	n	1.5E-02	n	1.5E+00	n							6.8E+01	n	7.7E-03	n	7.7E-01	n									
Mancozeb	8018-01-7	2.0E+04	n	5.4E+00	n	5.4E+02	n	>S						2.0E+04	n	2.7E+00	n	2.7E+02	n	>S								
Manganese	7439-96-5	3.6E+04	n	1.0E+04	n	>S		1.0E+06	n	>S		5.0E+01		2.4E+04	n	5.1E+03	n	>S		5.1E+05	n	>S		2.5E+01				
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	3.4E+02	n	7.0E-02	n	7.0E+00	n							3.4E+02	n	3.5E-02	n	3.5E+00	n									
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	85-19-0/ 93-65-2	6.8E+02	n	1.4E-01	n	1.4E+01	n							6.8E+02	n	7.0E-02	n	7.0E+00	n									
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	93-65-2	6.8E+02	n	1.4E-01	n	1.4E+01	n							6.8E+02	n	7.0E-02	n	7.0E+00	n									
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0	6.8E+02	n	1.4E-01	n	1.4E+01	n							6.8E+02	n	7.0E-02	n	7.0E+00	n									
Mercuric chloride (pH = 4.9)	7487-94-7	6.2E+00	n	7.8E-03	m	7.8E-01	m	>S		6.4E+00	n	>S		3.3E+00	n	3.9E-03	m	3.9E-01	m	>S	3.3E+00	n	2.6E+00	n	>S			
Mercuric chloride (pH = 6.8)	7487-94-7	1.9E+01	n	2.1E+00	m	2.1E+02	m	>S		2.2E+01	n	>S		1.1E+01	n	1.0E+00	m	1.0E+02	m	>S	1.1E+01	n	6.9E+02	n	>S			
Mercury ⁷ (pH = 4.9)	7439-97-6	6.2E+00	n	7.8E-03	m	7.8E-01	m	>S		6.4E+00	n	>S		3.3E+00	n	3.9E-03	m	3.9E-01	m	>S	3.3E+00	n	2.6E+00	n	>S			
Merphos	150-50-5	2.0E+01	n	1.9E+01	n	1.9E+03	n	>S						2.0E+01	n	9.7E+00	n	9.7E+02	n	>S								
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	1.0E+04	n	1.4E+00	n	1.4E+02	n							1.0E+04	n	7.0E-01	n	7.0E+01	n									
Methacrylonitrile	126-98-7	1.0E+02	n	1.5E-02	n	1.5E+00	n							1.0E+02	n	7.5E-03	n	7.5E-01	n									
Methanol	67-56-1	5.1E+05	n	7.0E+01	n	7.0E+03	n							5.1E+05	n	3.5E+01	n	3.5E+03	n									
Methapyrilene	91-80-5	4.1E+00	c	1.2E-03	c	1.2E-01	c							4.1E+00	c	5.9E-04	c	5.9E-02	c									
Methomyl	16752-77-5	1.7E+04	n	1.5E+01	n	1.5E+03	n							1.7E+04	n	7.6E+00	n	7.6E+02	n									
Methoxychlor	72-43-5	3.4E+03	n	1.2E+02	m	1.2E+04	m	>S						3.4E+03	n	6.2E+01	m	6.2E+03	m	>S								
Methoxyethanol, 2-	109-86-4	4.0E+02	n	2.0E+00	n	2.0E+02	n	>S		4.3E+02	n	>S		2.1E+02	n	1.0E+00	n	1.0E+02	n	>S	2.2E+02	n	4.0E+01	n				
Methyl acetate (acetic acid, methyl ester)	79-20-9	1.0E+06	n	1.5E+02	n	1.5E+04	n							1.0E+06	n	7.3E+01	n	7.3E+03	n									
Methyl acrylate	96-33-3	2.0E+03	n	3.1E-01	n	3.1E+01	n							2.0E+03	n	1.5E-01	n	1.5E+01	n									
Methyl amyl ketone (2-heptanone)	110-43-0	3.8E+04	n	1.4E+01	n	1.4E+03	n			1.6E+05	n	>S		3.1E+04	n	7.1E+00	n	7.1E+02	n		8.0E+04	n	3.9E+05	n	>S			
Methyl chrysene, 1-	3351-28-8	2.4E+03	c	5.0E+04	c	>S		1.0E+06	c	>S		1.0E+06	c	>S	2.4E+03	c	2.5E+04	c	>S		1.0E+06	c	>S	1.0E+06	c	>S		
Methyl chrysene, 2-	3351-32-4	2.4E+03	c	5.0E+04	c	>S		1.0E+06	c	>S		1.0E+06	c	>S	2.4E+03	c	2.5E+04	c	>S		1.0E+06	c	>S	1.0E+06	c	>S		
Methyl chrysene, 6-	1705-85-7	2.4E+02	c	4.0E+03	c	>S		4.0E+05	c	>S		3.9E+05	c	>S	2.4E+02	c	2.0E+03	c	>S		2.0E+05	c	>S	2.0E+05	c	>S		
Methyl cyclohexane	108-87-2	6.4E+04	n	4.6E+04	n	>S		1.0E+06	n	>S		6.4E+04	n	>S	3.3E+04	n	2.3E+04	n	>S		1.0E+06	n	>S	3.3E+04	n	1.6E+04	n	>S
Methyl ethyl ketone (2-butanone)	78-93-3	1.9E+05	n	8.7E+01	n	8.7E+03	n			2.8E+05	n	>S		1.2E+05	n	4.4E+01	n	4.4E+03	n		1.5E+05	n	8.7E+05	n	>S			
Methyl iodide (iodomethane)	74-88-4	1.4E+03	n	3.4E-01	n	3.4E+01	n							1.4E+03	n	1.7E-01	n	1.7E+01	n									
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	4.1E+04	n	1.5E+01	n	1.5E+03	n			8.1E+04	n	>S		2.8E+04	n	7.4E+00	n	7.4E+02	n		4.2E+04	n	1.5E+05	n	>S			
Methyl mercury	22967-92-6	9.7E-01	n		n		n							9.7E-01	n		n		n									
Methyl methacrylate	80-62-6	1.5E+04	n	2.9E+02	n	2.9E+04	n			1.5E+04	n	>S		7.7E+03	n	1.5E+02	n	1.5E+04	n		7.7E+03	n	2.0E+04	n				
Methyl methanesulfonate	66-27-3	9.5E+01	c	4.0E-02	c	4.0E+00	c			1.9E+02	c	5.4E-04	c	6.4E+01	c	2.0E-02	c	2.0E+00	c		9.7E+01	c	3.5E+03	c				
Methyl parathion	298-00-0	1.7E+02	n	5.1E-01	n	5.1E+01	n							1.7E+02	n	2.5E-01	n	2.5E+01	n									
Methyl-1-butene, 2-	563-46-2	5.3E+04	n	1.9E+02	n	1.9E+04	n	>S		3.9E+05	n	>S		4.7E+04	n	9.7E+01	n	9.7E+03	n	>S	2.0E+05	n	3.1E+04	n	>S			
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	4.1E+04	n	6.2E+00	n	6.2E+02	n							4.1E+04	n	3.1E+00	n	3.1E+02	n									
Methyl-2-butene, 2-	513-35-9	5.3E+04	n	1.2E+02	n	1.2E+04	n	>S		3.9E+05	n	>S		4.7E+04	n	5.8E+01	n	5.8E+03	n	>S	2.0E+05	n	3.6E+04	n	>S			
Methyl-2-pentenal, 2-	623-36-9	1.5E+01	c	3.3E-03	c	3.3E-01	c							1.5E+01	c	1.6E-03	c	1.6E-01	c									
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	2.1E+03	c	1.2E+00	c	1.2E+02	c							2.1E+03	c	5.8E-01	c	5.8E+01	c									
Methylcholanthrene, 3-	56-49-5	7.9E-01	c	3.4E+01	c	3.4E+03	c	>S		3.0E+03	c	>S		7.9E-01	c	1.7E+01	c	1.7E+03	c	>S	1.5E+03	c	1.0E+06	c	>S			
Methylene bromide (dibromomethane)	74-95-3	1.1E+02	n	2.5E+00	c	2.5E+02	c			1.1E+02	n	3.1E+03	n	5.9E+01	n	1.3E+00	c	1.3E+02	c		5.9E+01	n	2.0E+02	n				
Methylene chloride (dichloromethane)	75-09-2	5.0E+03	n	1.3E-02	m	1.3E+00	m			2.1E+04	c	9.4E+04	c	>S	4.3E+03	n	6.5E-03	m	6.5E-01	m		1.1E+04	c	6.1E+03	c			
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	1.8E+02	c	6.5E+00	c	6.5E+02	c			4.5E+03	c	>S		1.8E+02	c	3.2E+00	c	3.2E+02	c		2.3E+03	c	6.9E+05	c	>S			
Methylmercury hydroxide	1184-57-2	6.8E+01	n	1.4E-02	n	1.4E+00	n							6.8E+01	n	7.1E-03	n	7.1E-01	n									

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area												30 acre source area											
Chemical of Concern	CAS	Tot ² Soil Comb		GW ¹ Soil Ing		GW ³ Soil Class3		Air ⁴ Soil Inh-		Air ⁵ GW-Soil Inh-V		GW ⁶ Soil for Secondary MCL	Tot ² Soil Comb		GW ¹ Soil Ing		GW ³ Soil Class3		Air ⁴ Soil Inh-		Air ⁵ GW-Soil Inh-V		GW ⁶ Soil for Secondary MCL		
		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3		(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3	(mg/kg)	note3					
Methylpyrrolidone, N-	872-50-4	1.4E+04	n	2.9E+00	n	2.9E+02	n						1.4E+04	n	1.4E+00	n	1.4E+02	n							
Methylstyrene, alpha-	98-83-9	6.3E+02	n	1.9E+01	n	1.9E+03	n	6.8E+02	n	3.0E+04	n >S		3.3E+02	n	9.7E+00	n	9.7E+02	n	3.5E+02	n	1.9E+03	n >S			
Methyltetrahydrofuran, 2-	96-47-9	2.9E+02	c	6.2E-01	c	6.2E+01	c	3.2E+02	c	7.0E+03	c		1.6E+02	c	3.1E-01	c	3.1E+01	c	1.6E+02	c	4.5E+02	c			
Methyltetrahydropyran, 2-	10141-72-7	3.3E+02	c	7.3E-01	c	7.3E+01	c	3.7E+02	c	9.6E+03	c		1.8E+02	c	3.6E-01	c	3.6E+01	c	1.9E+02	c	6.2E+02	c			
Metolachlor	51218-45-2	1.0E+05	n	3.3E+02	n	3.3E+04	n >S						1.0E+05	n	1.6E+02	n	1.6E+04	n >S							
Metribuzin	21087-64-9	1.7E+04	n	3.7E+00	n	3.7E+02	n						1.7E+04	n	1.8E+00	n	1.8E+02	n							
Mirex	2385-85-5	1.4E+02	n	1.3E+04	n >S	1.0E+06	n >S						1.4E+02	n	6.7E+03	n >S	6.7E+05	n >S							
Molinate	2212-67-1	1.4E+03	n	5.7E-01	n	5.7E+01	n						1.4E+03	n	2.9E-01	n	2.9E+01	n							
Molybdenum	7439-98-7	4.5E+03	n	1.5E+02	n >S	1.5E+04	n >S						4.5E+03	n	7.3E+01	n >S	7.3E+03	n >S							
Monocrotophos	2157-98-4	4.1E+02	n	8.8E-02	n	8.8E+00	n						4.1E+02	n	4.4E-02	n	4.4E+00	n							
Morpholine	110-91-8	1.0E+06	n	7.1E+04	n	1.0E+06	n						1.0E+06	n	3.6E+04	n	1.0E+06	n							
Morpholine, N-butyl-	1005-67-0	2.4E+03	n	6.9E-01	n	6.9E+01	n						2.4E+03	n	3.5E-01	n	3.5E+01	n							
MTBE ⁷ (methyl tert-butyl ether)	1634-04-4	2.0E+03	c	1.9E+00	n	1.9E+02	n	2.3E+03	c	1.7E+04	c	3.8E-02	1.1E+03	c	9.3E-01	n	9.3E+01	n	1.2E+03	c	1.1E+03	c	1.9E-02		
Naled	300-76-5	1.4E+03	n	1.1E+00	n	1.1E+02	n >S						1.4E+03	n	5.3E-01	n	5.3E+01	n >S							
Naphthalene	91-20-3	3.6E+02	n	9.3E+01	n	9.3E+03	n >S	3.7E+02	n	2.8E+04	n >S		1.9E+02	n	4.7E+01	n	4.7E+03	n >S	1.9E+02	n	1.8E+03	n >S			
Naphthoquinone, 1,4-	130-15-4	4.8E+03	n	1.4E+00	n	1.4E+02	n						4.8E+03	n	6.9E-01	n	6.9E+01	n							
Naphthylamine, 1-	134-32-7	1.4E+04	n	2.8E+01	n	2.8E+03	n						1.4E+04	n	1.4E+01	n	1.4E+03	n							
Naphthylamine, 2-	91-59-8	1.1E+01	c	2.9E-02	c	2.9E+00	c						1.1E+01	c	1.4E-02	c	1.4E+00	c							
Napropamide	15299-99-7	6.8E+04	n	1.6E+03	n	1.6E+05	n >S						6.8E+04	n	8.2E+02	n	8.2E+04	n >S							
Neopentyl glycol	126-30-7	2.0E+05	n	4.4E+01	n	4.4E+03	n						2.0E+05	n	2.2E+01	n	2.2E+03	n							
Nickel and compounds	7440-02-0	8.8E+03	n	4.7E+02	n >S	4.7E+04	n >S						8.6E+03	n	2.3E+02	n >S	2.3E+04	n >S							
Nitrate	14797-55-8	1.0E+06	n	1.9E+01	m	1.9E+03	m						1.0E+06	n	9.6E+00	m	9.6E+02	m							
Nitrite	14797-65-0	9.7E+04	n		m		m						9.7E+04	n		m		m							
Nitroaniline, 2-	88-74-4	5.0E+01	n	6.6E-02	n	6.6E+00	n	6.7E+01	n	1.7E+04	n >S		2.9E+01	n	3.3E-02	n	3.3E+00	n	3.4E+01	n	1.1E+03	n			
Nitroaniline, 3-	99-09-2	5.9E+01	n	7.6E-02	n	7.6E+00	n	8.4E+01	n	2.3E+04	n >S		3.6E+01	n	3.8E-02	n	3.8E+00	n	4.3E+01	n	1.5E+03	n >S			
Nitroaniline, 4-	100-01-6	9.5E+02	c	2.4E-01	c	2.4E+01	c	1.7E+03	n	4.7E+05	n >S		6.6E+02	n	1.2E-01	c	1.2E+01	c	8.7E+02	n	3.1E+04	n >S			
Nitrobenzene	98-95-3	1.1E+02	c	1.0E+00	n	1.0E+02	n	1.1E+02	c	8.7E+03	c		5.7E+01	c	5.2E-01	n	5.2E+01	n	5.7E+01	c	5.6E+02	c			
Nitroglycerin	55-63-0	6.8E+01	n	4.1E-02	n	4.1E+00	n						6.8E+01	n	2.1E-02	n	2.1E+00	n							
Nitrophenol, 2-	88-75-5	1.4E+03	n	4.0E-01	n	4.0E+01	n						1.4E+03	n	2.0E-01	n	2.0E+01	n							
Nitrophenol, 3-	554-84-7	1.4E+03	n	6.8E-01	n	6.8E+01	n						1.4E+03	n	3.4E-01	n	3.4E+01	n							
Nitrophenol, 4-	100-02-7	1.4E+03	n	3.0E-01	n	3.0E+01	n						1.4E+03	n	1.5E-01	n	1.5E+01	n							
Nitropropane, 2-	79-46-9	2.2E-01	c	2.1E-02	n	2.1E+00	n	2.2E-01	c	6.0E+00	c		1.1E-01	c	1.1E-02	n	1.1E+00	n	1.1E-01	c	3.9E-01	c			
Nitroquinoline-N-oxide, 4-	56-57-5	1.2E+00	c	5.2E-04	c	5.2E-02	c	3.2E+00	c	4.5E+04	c		9.0E-01	c	2.6E-04	c	2.6E-02	c	1.6E+00	c	2.2E+04	c			
Nitrosodiethanolamine	1116-54-7	6.8E+00	c	1.5E-03	c	1.5E-01	c						6.8E+00	c	7.4E-04	c	7.4E-02	c							
Nitrosodiethylamine, n-	55-18-5	7.0E-02	c	2.8E-05	c	2.8E-03	c	1.1E-01	c	2.5E+01	c		4.4E-02	c	1.4E-05	c	1.4E-03	c	5.7E-02	c	1.6E+00	c			
Nitrosodimethylamine, n-	62-75-9	2.1E-01	c	8.3E-05	c	8.3E-03	c	3.3E-01	c	7.0E+01	c		1.3E-01	c	4.1E-05	c	4.1E-03	c	1.7E-01	c	4.5E+00	c			
Nitrosodi-n-butylamine, n-	924-16-3	1.2E+00	c	4.2E-03	c	4.2E-01	c	1.7E+00	c	8.8E+01	c		7.1E-01	c	2.1E-03	c	2.1E-01	c	9.0E-01	c	5.7E+00	c			
Nitrosodi-n-propylamine, n-	621-64-7	1.4E+00	c	7.9E-04	c	7.9E-02	c						1.4E+00	c	3.9E-04	c	3.9E-02	c							
Nitrosodiphenylamine	86-30-6	1.9E+03	c	6.3E+00	c	6.3E+02	c >S						1.9E+03	c	3.2E+00	c	3.2E+02	c >S							
Nitroso-methyl-ethyl-amine, n-	10595-95-6	1.3E+00	c	2.6E-04	c	2.6E-02	c						1.3E+00	c	1.3E-04	c	1.3E-02	c							
Nitrosomorpholine, N-	59-89-2	1.4E+00	c	5.9E-04	c	5.9E-02	c	2.9E+00	c	8.8E+02	c		9.7E-01	c	2.9E-04	c	2.9E-02	c	1.5E+00	c	5.7E+01	c			
Nitroso-n-ethylurea, n-	759-73-9	1.4E-01	c	4.7E-05	c	4.7E-03	c						1.4E-01	c	2.3E-05	c	2.3E-03	c							
Nitrosopiperidine, N-	100-75-4	1.1E+00	c	4.6E-04	c	4.6E-02	c	2.2E+00	c	5.9E+02	c		7.4E-01	c	2.3E-04	c	2.3E-02	c	1.2E+00	c	3.8E+01	c			
Nitrosopyrrolidine, n-	930-55-2	4.7E+00	c	1.9E-03	c	1.9E-01	c	9.8E+00	c	3.1E+03	c		3.2E+00	c	9.5E-04	c	9.5E-02	c	5.0E+00	c	2.0E+02	c			
Nitrotoluene, m-	99-08-1	6.8E+03	n	5.5E+00	n	5.5E+02	n						6.8E+03	n	2.8E+00	n	2.8E+02	n							
Nitrotoluene, o-	88-72-2	8.7E+01	c	7.0E-02	c	7.0E+00	c						8.7E+01	c	3.5E-02	c	3.5E+00	c							
Nitrotoluene, p-	99-99-0	1.2E+03	c	9.6E-01	c	9.6E+01	c						1.2E+03	c	4.8E-01	c	4.8E+01	c							
Nonachlor, cis-	5103-73-1	5.3E+01	c	2.8E+01	c	2.8E+03	c >S	2.1E+03	c	1.0E+06	c >S		5.2E+01	c	1.4E+01	c	1.4E+03	c >S	1.1E+03	c	4.0E+05	c >S			
Nonachlor, trans-	39765-80-5	5.3E+01	c	2.8E+01	c	2.8E+03	c >S	2.1E+03	c	1.0E+06	c >S		5.2E+01	c	1.4E+01	c	1.4E+03	c >S	1.1E+03	c	4.0E+05	c >S			
Nonanal	124-19-6	1.4E+05	n	4.4E+02	n	4.4E+04	n >S						1.4E+05	n	2.2E+02	n	2.2E+04	n >S							
Nonene, 1-n	124-11-8	1.0E+05	n	9.9E+03	n >S	9.9E+05	n >S						1.0E+05	n	4.9E+03	n >S	4.9E+05	n >S							
Nonylphenol	104-40-5	6.8E+04	n	8.8E+05	n >S	1.0E+06	n >S						6.8E+04	n	4.4E+05	n >S	1.0E+06	n >S							
Nonylphenol	25154-52-3	6.8E+04	n	8.8E+05	n >S	1.0E+06	n >S						6.8E+04	n	4.4E+05	n >S	1.0E+06	n >S							
Nonylphenol	84852-15-3	6.8E+04	n	8.8E+05	n >S	1.0E+06	n >S						6.8E+04	n	4.4E+05	n >S	1.0E+06	n >S							
Nonylphenol ethoxylate	9016-45-9	1.0E+05	n	1.0E+06	n >S	1.0E+06	n >S						1.0E+05	n	1.0E+06	n >S	1.0E+06	n >S							

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area												30 acre source area											
		Tot Soil Comb ² (mg/kg)		GW Soil Ing (mg/kg)		GW Soil Class3 (mg/kg)		Air Soil Inh-V ⁴ (mg/kg)		Air GW- Soil Inh-V (mg/kg)		GW Soil for Secondary MCL (mg/kg)	Tot Soil Comb ² (mg/kg)		GW Soil Ing (mg/kg)		GW Soil Class3 (mg/kg)		Air Soil Inh-V ⁴ (mg/kg)		Air GW- Soil Inh-V (mg/kg)		GW Soil for Secondary MCL (mg/kg)		
Chemical of Concern	CAS	note3		note3		note3		note3		note3			note3		note3		note3		note3		note3				
Octamethylpyrophosphoramide	152-16-9	1.4E+03	n	2.8E-01	n	2.8E+01	n						1.4E+03	n	1.4E-01	n	1.4E+01	n							
Octanone	106-68-3	5.8E+04	n	3.3E+01	n	3.3E+03	n	1.0E+06	n	1.0E+06	n >S		5.6E+04	n	1.6E+01	n	1.6E+03	n	6.5E+05	n	1.0E+06	n	>S		
Oxamyl	23135-22-0	1.7E+04	n	4.2E-01	m	4.2E+01	m						1.7E+04	n	2.1E-01	m	2.1E+01	m							
Oxychlorane	27304-13-8	5.3E+01	c	2.8E+01	c	2.8E+03	c >S	2.1E+03	c	1.0E+06	c >S		5.2E+01	c	1.4E+01	c	1.4E+03	c >S	1.1E+03	c	4.0E+05	c >S			
Paraquat	1910-42-5	3.1E+03	n	6.3E-01	n	6.3E+01	n						3.1E+03	n	3.1E-01	n	3.1E+01	n							
Parathion (ethyl parathion)	56-38-2	4.1E+03	n	9.9E+01	n	9.9E+03	n >S						4.1E+03	n	4.9E+01	n	4.9E+03	n >S							
Pebulate	1114-71-2	3.4E+04	n	7.0E+01	n	7.0E+03	n >S						3.4E+04	n	3.5E+01	n	3.5E+03	n >S							
Pendimethalin	40487-42-1	2.7E+04	n	2.2E+04	n >S	1.0E+06	n >S						2.7E+04	n	1.1E+04	n >S	1.0E+06	n >S							
Pentachlorobenzene	608-93-5	5.5E+02	n	7.4E+01	n	7.4E+03	n >S						5.5E+02	n	3.7E+01	n	3.7E+03	n >S							
Pentachloroethane	76-01-7	1.1E+02	c	2.2E-01	c	2.2E+01	c	1.6E+02	c	4.8E+03	c		6.5E+01	c	1.1E-01	c	1.1E+01	c	8.1E+01	c	3.1E+02	c			
Pentachloronitrobenzene	82-68-8	7.3E+01	c	4.1E+00	c	4.1E+02	c >S						7.3E+01	c	2.1E+00	c	2.1E+02	c >S							
Pentachlorophenol	87-86-5	3.2E+01	c	1.8E-02	m	1.8E+00	m						3.2E+01	c	9.2E-03	m	9.2E-01	m							
Pentadiene, 1,3-cis-	1574-41-0	5.3E+04	n	5.6E+01	n	5.6E+03	n	3.9E+05	n	7.7E+05	n >S		4.7E+04	n	2.8E+01	n	2.8E+03	n	2.0E+05	n	5.0E+04	n	>S		
Pentadiene, 1,3-trans-	2004-70-8	5.3E+04	n	3.9E+01	n	3.9E+03	n	3.9E+05	n	9.3E+05	n >S		4.7E+04	n	1.9E+01	n	1.9E+03	n	2.0E+05	n	6.0E+04	n	>S		
Pentaerythritol tetranitrate (PETN)	78-11-5	1.4E+03	n	3.7E+01	n	3.7E+03	n						1.4E+03	n	1.8E+01	n	1.8E+03	n							
Pentane	109-66-0	3.0E+05	n	1.2E+04	n >S	1.0E+06	n >S	5.2E+05	n	1.1E+05	n >S		1.9E+05	n	6.0E+03	n >S	6.0E+05	n >S	2.7E+05	n	7.3E+03	n	>S		
Pentane, 2-methyl-	107-83-5	5.3E+04	n	1.1E+03	n	1.1E+05	n >S	3.9E+05	n	6.4E+05	n >S		4.7E+04	n	5.7E+02	n	5.7E+04	n >S	2.0E+05	n	4.1E+04	n	>S		
Pentane, 3-methyl-	96-14-0	5.3E+04	n	9.3E+02	n	9.3E+04	n >S	3.9E+05	n	6.6E+05	n >S		4.7E+04	n	4.7E+02	n	4.7E+04	n >S	2.0E+05	n	4.3E+04	n	>S		
Pentanediol, 1,5-	111-29-5	1.0E+06	n	7.2E+02	n	7.2E+04	n	1.0E+06	n	1.0E+06	n >S		1.0E+06	n	3.6E+02	n	3.6E+04	n	1.0E+06	n	1.0E+06	n	>S		
Pentanol, 1-	71-41-0	3.4E+04	n	6.8E+00	n	6.8E+02	n						3.4E+04	n	3.4E+00	n	3.4E+02	n							
Pentanol, 4-methyl-2-	108-11-2	2.7E+04	n	5.3E+00	n	5.3E+02	n						2.7E+04	n	2.6E+00	n	2.6E+02	n							
Pentanone, 2-	107-87-9	4.1E+04	n	6.6E+00	n	6.6E+02	n						4.1E+04	n	3.3E+00	n	3.3E+02	n							
Pentene, 2-	109-68-2	5.3E+04	n	1.4E+02	n	1.4E+04	n >S	3.9E+05	n	6.2E+05	n >S		4.7E+04	n	7.0E+01	n	7.0E+03	n >S	2.0E+05	n	4.0E+04	n	>S		
Pentyne, 1-	627-19-0	5.3E+04	n	3.8E+01	n	3.8E+03	n	3.9E+05	n	8.7E+05	n >S		4.7E+04	n	1.9E+01	n	1.9E+03	n	2.0E+05	n	5.6E+04	n	>S		
Perchlorate	14797-73-0	5.7E+02	n	4.2E-01	n	4.2E+01	n						5.7E+02	n	2.1E-01	n	2.1E+01	n							
Perylene	198-55-0	1.4E+04	n	2.3E+05	n >S	1.0E+06	n >S						1.4E+04	n	1.1E+05	n >S	1.0E+06	n >S							
Phenacetin	62-44-2	5.9E+03	c	2.8E+00	c	2.8E+02	c	1.8E+04	c	1.0E+06	c >S		4.5E+03	c	1.4E+00	c	1.4E+02	c	9.4E+03	c	3.8E+05	c >S			
Phenanthrene	85-01-8	1.9E+04	n	1.2E+03	n >S	1.2E+05	n >S						1.9E+04	n	6.2E+02	n >S	6.2E+04	n >S							
Phenanthridine	229-87-8	2.0E+03	n	1.6E+01	n	1.6E+03	n						2.0E+03	n	7.9E+00	n	7.9E+02	n							
Phenol	108-95-2	2.0E+05	n	5.7E+01	n	5.7E+03	n						2.0E+05	n	2.9E+01	n	2.9E+03	n							
Phenol, 4-tert-butyl-	98-54-4	3.4E+03	n	1.3E+01	n	1.3E+03	n						3.4E+03	n	6.7E+00	n	6.7E+02	n							
Phenothiazine	92-84-2	3.4E+02	n	1.1E+01	n >S	1.1E+03	n >S						3.4E+02	n	5.4E+00	n >S	5.4E+02	n >S							
Phenyl mercuric acetate	62-38-4	5.5E+01	n	4.9E-02	n	4.9E+00	n						5.5E+01	n	2.4E-02	n	2.4E+00	n							
Phenylene diamine, m-	108-45-2	4.1E+03	n	8.6E-01	n	8.6E+01	n						4.1E+03	n	4.3E-01	n	4.3E+01	n							
Phenylene diamine, p-	106-50-3	1.3E+05	n	2.7E+01	n	2.7E+03	n						1.3E+05	n	1.4E+01	n	1.4E+03	n							
Phorate	298-02-2	1.4E+02	n	3.2E+00	n	3.2E+02	n						1.4E+02	n	1.6E+00	n	1.6E+02	n							
Phosalone	2310-17-0	1.4E+03	n	7.0E+00	n	7.0E+02	n						1.4E+03	n	3.5E+00	n	3.5E+02	n							
Phosdrin (mevinphos)	7786-34-7	1.7E+01	n	3.5E-03	n	3.5E-01	n						1.7E+01	n	1.8E-03	n	1.8E-01	n							
Phosmet	732-11-6	1.4E+04	n	1.2E+01	n	1.2E+03	n						1.4E+04	n	6.1E+00	n	6.1E+02	n							
Phosphine	7803-51-2	6.3E+00	n		n		n	6.4E+00	n		n GW Ing		3.3E+00	n		n		n	3.3E+00	n		n GW Ing			
Phosphorotriethioic acid, S,S,S-tributyl ester	78-48-8	3.4E+02	c	9.7E+02	c >S	9.7E+04	c >S						3.4E+02	c	4.8E+02	c >S	4.8E+04	c >S							
Phosphorus, total*	7723-14-0																								
Phosphorus, white	7723-14-0	1.6E+01	n	6.9E-02	n	6.9E+00	n						1.6E+01	n	3.4E-02	n	3.4E+00	n							
Phthalic anhydride	85-44-9	6.6E+04	n	7.4E+02	n	7.4E+04	n >S	7.0E+04	n	1.0E+06	n >S		3.5E+04	n	3.7E+02	n	3.7E+04	n >S	3.6E+04	n	1.0E+06	n	>S		
Picloram	1918-02-1	4.8E+04	n	9.8E-01	m	9.8E+01	m						4.8E+04	n	4.9E-01	m	4.9E+01	m							
Picoline, 2- (2-methylpyridine)	109-06-8	9.2E+03	n	1.7E+00	n	1.7E+02	n						9.2E+03	n	8.4E-01	n	8.4E+01	n							
Polybrominated biphenyls (PBBs)	67774-32-7	2.1E+00	c	2.0E-02	c	2.0E+00	c >S						2.1E+00	c	1.0E-02	c	1.0E+00	c >S							
Polychlorinated biphenyls (PCBs)	1336-36-3	7.7E+00	c	1.1E+01	m	1.1E+03	m	9.1E+01	c	1.0E+05	c >S		7.1E+00	c	5.3E+00	m	5.3E+02	m	4.7E+01	c	6.8E+03	c >S			
Potassium*	7440-09-27																								
Primene	68955-53-3	4.1E+03	n	1.6E+02	n	1.6E+04	n						4.1E+03	n	8.1E+01	n	8.1E+03	n							
Prometon (pramitol)	1610-18-0	1.0E+04	n	2.9E+01	n	2.9E+03	n >S						1.0E+04	n	1.4E+01	n	1.4E+03	n >S							
Pronamide	23950-58-5	5.1E+04	n	5.4E+01	n	5.4E+03	n >S						5.1E+04	n	2.7E+01	n	2.7E+03	n >S							
Propanal (propionaldehyde)	123-38-6	1.7E+02	n	1.2E+00	n	1.2E+02	n	1.7E+02	n	4.6E+03	n		8.7E+01	n	5.9E-01	n	5.9E+01	n	8.8E+01	n	3.0E+02	n			
Propane, 1-bromo-	106-94-5	3.7E+04	n	1.0E+01	n	1.0E+03	n						3.7E+04	n	5.1E+00	n	5.1E+02	n							
Propanil	709-98-8	3.4E+03	n	1.4E+01	n	1.4E+03	n						3.4E+03	n	6.9E+00	n	6.9E+02	n							
Propanoic acid (propionic acid)	79-09-4	5.1E+05	n	7.0E+01	n	7.0E+03	n						5.1E+05	n	3.5E+01	n	3.5E+03	n							

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area										30 acre source area															
		Tot Soil Comb ² (mg/kg)		GW Soil _{Ing}		GW Soil _{Class3}		Air Soil _{Inh-V} ⁴ (mg/kg)		Air GW- Soil _{Inh-V}		GW Soil for Secondary MCL		Tot Soil Comb ² (mg/kg)		GW Soil _{Ing}		GW Soil _{Class3}		Air Soil _{Inh-V} ⁴ (mg/kg)		Air GW- Soil _{Inh-V}		GW Soil for Secondary MCL			
Chemical of Concern	CAS	note3		note3		note3		note3		note3		note3		note3		note3		note3		note3		note3		note3			
Propanol, 1-	71-23-8	2.0E+05	n	3.0E+01	n	3.0E+03	n							2.0E+05	n	1.5E+01	n	1.5E+03	n								
Propargite	2312-35-8	1.4E+04	n	3.3E+02	n	>S	3.3E+04	n	>S					1.4E+04	n	1.6E+02	n	>S	1.6E+04	n	>S						
Propargyl alcohol	107-19-7	2.0E+03	n	3.1E-01	n	3.1E+01	n							2.0E+03	n	1.6E-01	n	1.6E+01	n								
Propazine	139-40-2	4.3E+02	c	2.1E+00	c	2.1E+02	c							4.3E+02	c	1.1E+00	c	1.1E+02	c								
Propham	122-42-9	1.4E+04	n	5.8E+00	n	5.8E+02	n							1.4E+04	n	2.9E+00	n	2.9E+02	n								
Propionitrile (propane nitrile)	107-12-0	4.1E+02	n	5.8E-02	n	5.8E+00	n							4.1E+02	n	2.9E-02	n	2.9E+00	n								
Propyl acetate, n-	109-60-4	9.2E+04	n	1.6E+01	n	1.6E+03	n							9.2E+04	n	7.9E+00	n	7.9E+02	n								
Propylbenzene, n-	103-65-1	7.3E+03	n	1.3E+02	n	1.3E+04	n	>S	8.9E+03	n	3.9E+05	n	>S	4.1E+03	n	6.7E+01	n	6.7E+03	n	>S	4.6E+03	n	2.5E+04	n	>S		
Propylene glycol	57-55-6	5.1E+02	n	2.8E+03	n	2.8E+05	n	>S	5.1E+02	n	1.3E+05	n		2.6E+02	n	1.4E+03	n	1.4E+05	n	>S	2.6E+02	n	8.7E+03	n			
Propylene glycol monomethyl ether	107-98-2	2.2E+05	n	9.9E+01	n	9.9E+03	n		3.2E+05	n	1.0E+06	n	>S	1.3E+05	n	5.0E+01	n	5.0E+03	n		1.7E+05	n	1.0E+06	n	>S		
Propylene oxide	75-56-9	6.9E+01	c	1.7E-02	c	1.7E+00	c		1.6E+02	c	5.3E+03	c		4.9E+01	c	8.4E-03	c	8.4E-01	c		8.4E+01	c	3.4E+02	c			
Propylene tetramer	6842-15-5	1.6E+04	n	7.6E+04	n	>S	1.0E+06	n	>S	2.1E+04	n	6.4E+05	n	>S	9.5E+03	n	3.8E+04	n	>S	1.0E+06	n	>S	1.1E+04	n	4.1E+04	n	>S
Prothiofos (Tokuthion)	34643-46-4	6.8E+01	n	7.2E+03	n	>S	7.2E+05	n	>S					6.8E+01	n	3.6E+03	n	>S	3.6E+05	n	>S						
Pyrene	129-00-0	1.9E+04	n	3.3E+03	n	>S	3.3E+05	n	>S					1.9E+04	n	1.7E+03	n	>S	1.7E+05	n	>S						
Pyridine	110-86-1	1.0E+03	n	2.1E-01	n	2.1E+01	n							1.0E+03	n	1.0E-01	n	1.0E+01	n								
Quinoline	91-22-5	6.4E+00	c	1.7E-02	c	1.7E+00	c							6.4E+00	c	8.4E-03	c	8.4E-01	c								
Ronnel	299-84-3	3.4E+04	n	1.2E+03	n	>S	1.2E+05	n	>S					3.4E+04	n	6.2E+02	n	>S	6.2E+04	n	>S						
Safrole	94-59-7	4.9E+01	c	3.7E-01	c	3.7E+01	c		1.1E+02	c	1.3E+04	c	>S	3.5E+01	c	1.8E-01	c	1.8E+01	c		5.8E+01	c	8.1E+02	c			
Selenium	7782-49-2	4.9E+03	n	2.3E+00	m	>S	2.3E+02	m	>S					4.9E+03	n	1.1E+00	m	>S	1.1E+02	m	>S						
Selenourea	630-10-4	5.1E+03	n		n		n							5.1E+03	n		n		n								
Silver	7440-22-4	2.3E+03	n	1.4E+00	n	>S	1.4E+02	n	>S			3.9E-01		2.3E+03	n	7.1E-01	n	>S	7.1E+01	n	>S				2.0E-01		
Simazine	122-34-9	1.6E+02	c	5.5E-02	m	5.5E+00	m							1.6E+02	c	2.8E-02	m	2.8E+00	m								
Sodium*	7440-23-5																										
Sodium diethyldithiocarbamate	148-18-5	1.1E+02	c		c		c							1.1E+02	c		c		c								
Sodium hypochlorite	7681-52-9	1.2E+05	n		n		n							9.6E+04	n		n		n								
Sodium polyacrylate	9003-04-7	1.7E+02	n	7.2E+01	n	7.2E+03	n		1.7E+02	n	4.1E+04	n		8.7E+01	n	3.6E+01	n	3.6E+03	n		8.7E+01	n	2.7E+03	n			
Strontium	7440-24-6	4.9E+05	n	1.8E+03	n	1.8E+05	n							4.9E+05	n	9.2E-02	n	9.2E+04	n								
Strychnine	57-24-9	2.0E+02	n	1.1E-01	n	1.1E+01	n							2.0E+02	n	5.6E-02	n	5.6E+00	n								
Styrene	100-42-5	1.5E+04	n	3.3E+00	m	3.3E+02	m		1.6E+04	n	6.9E+05	n	>S	7.8E+03	n	1.6E+00	m	1.6E+02	m		8.1E+03	n	4.5E+04	n	>S		
Sulfate*	14808-79-8																										
Sulfide*	18496-25-8																										
Sulfolane	126-33-0	1.1E+03	n	1.8E+00	n	1.8E+02	n		1.2E+03	n	3.5E+05	n	>S	5.8E+02	n	9.1E-01	n	9.1E+01	n		6.2E+02	n	2.2E+04	n	>S		
Sulfur*	7704-34-9																										
Sulprofos (Bolstar)	35400-43-2	2.0E+03	n	2.3E+04	n	>S	1.0E+06	n	>S					2.0E+03	n	1.1E+04	n	>S	1.0E+06	n	>S						
Tebuconazole	107534-96-3	2.0E+04	n	9.4E+01	n	9.4E+03	n	>S						2.0E+04	n	4.7E+01	n	4.7E+03	n	>S							
Tebuthiuron	34014-18-1	4.8E+04	n	1.6E+01	n	1.6E+03	n							4.8E+04	n	8.1E+00	n	8.1E+02	n								
Terbufos	13071-79-9	1.7E+01	n	1.0E+00	n	1.0E+02	n							1.7E+01	n	5.0E-01	n	5.0E+01	n								
Tert-amyl ethyl ether (TAEE)	919-94-8	4.1E+04	n	2.8E+01	n	2.8E+03	n							4.1E+04	n	1.4E+01	n	1.4E+03	n								
Tert-amyl-methyl ether (TAME)	994-05-8	4.1E+04	n	1.1E+01	n	1.1E+03	n							4.1E+04	n	5.7E+00	n	5.7E+02	n								
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	9.2E+04	n	1.4E+01	n	1.4E+03	n							9.2E+04	n	6.9E+00	n	6.9E+02	n								
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+02	n	3.6E+01	n	3.6E+03	n							2.0E+02	n	1.8E+01	n	1.8E+03	n								
Tetrachlorobenzene, 1,2,3,5-	634-90-2	2.0E+02	n	5.6E+00	n	5.6E+02	n							2.0E+02	n	2.8E+00	n	2.8E+02	n								
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+02	n	1.4E+00	n	1.4E+02	n	>S						2.0E+02	n	7.2E-01	n	7.2E+01	n	>S							
Tetrachloroethane, 1,1,1,2-	630-20-6	1.3E+02	c	3.2E+00	c	3.2E+02	c		1.5E+02	c	7.5E+03	c		7.3E+01	c	1.6E+00	c	1.6E+02	c		7.8E+01	c	4.9E+02	c			
Tetrachloroethane, 1,1,2,2-	79-34-5	1.4E+02	c	5.2E-02	c	5.2E+00	c							1.4E+02	c	2.6E-02	c	2.6E+00	c								
Tetrachloroethylene	127-18-4	1.4E+03	c	5.0E-02	m	5.0E+00	m		1.6E+03	c	8.4E+03	c	>S	7.7E+02	c	2.5E-02	m	2.5E+00	m		8.1E+02	c	5.4E+02	c			
Tetrachlorophenol, 2,3,4,5-	4901-51-3	2.0E+04	n	4.4E+01	n	4.4E+03	n							2.0E+04	n	2.2E+01	n	2.2E+03	n								
Tetrachlorophenol, 2,3,4,6-	58-90-2	2.0E+04	n	1.3E+01	n	1.3E+03	n	>S						2.0E+04	n	6.7E+00	n	6.7E+02	n	>S							
Tetrachlorophenol, 2,3,5,6-	935-95-5	2.0E+04	n	6.5E+00	n	>S	6.5E+02	n	>S					2.0E+04	n	3.2E+00	n	>S	3.2E+02	n	>S						
Tetrachlorvinphos (Stirophos)	22248-79-9	2.9E+04	n	7.1E+03	n	7.1E+05	n	>S						2.9E+04	n	3.5E+03	n	3.5E+05	n	>S							
Tetradifon	116-29-0	1.4E+04	n	2.6E+02	n	>S	2.6E+04	n	>S					1.4E+04	n	1.3E+02	n	>S	1.3E+04	n	>S						
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	3.4E+02	n	1.2E+00	n	1.2E+02	n							3.4E+02	n	5.8E-01	n	5.8E+01	n								
Tetraethyl lead	78-00-2	6.8E-02	n	1.5E-03	n	1.5E-01	n							6.8E-02	n	7.5E-04	n	7.5E-02	n								
Tetraethyl pyrophosphate (TEPP)	107-49-3	7.5E+00	n	2.8E-02	n	2.8E+00	n							7.5E+00	n	1.4E-02	n	1.4E+00	n								
Tetraethylene glycol	112-60-7	2.2E+05	n	4.6E+01	n	4.6E+03	n							2.2E+05	n	2.3E+01	n	2.3E+03	n								
Tetrahydrofuran	109-99-9	2.9E+02	c	5.6E-01	c	5.6E+01	c		3.2E+02	c	7.8E+03	c		1.6E+02	c	2.8E-01	c	2.8E+01	c		1.6E+02	c	5.0E+02	c			

Table 2
Tier 1 Commercial/Industrial Soil PCLs
June 29, 2012

		0.5 acre source area												30 acre source area											

Table 2
Commercial/Industrial
June 29, 2012

		0.5 acre source area												30 acre source area											
Chemical of Concern	CAS	Tot Soil Comb ² (mg/kg)	note3	GW Soil Ing (mg/kg)	note3	GW Soil Class3 (mg/kg)	note3	Air Soil Inh- ⁴ (mg/kg)	note3	Air GW- Soil Inh-V (mg/kg)	note3	GW Soil for Secondary MCL (mg/kg)	Tot Soil Comb ² (mg/kg)	note3	GW Soil Ing (mg/kg)	note3	GW Soil Class3 (mg/kg)	note3	Air Soil Inh- ⁴ (mg/kg)	note3	Air GW- Soil Inh-V (mg/kg)	note3	GW Soil for Secondary MCL (mg/kg)		
Valeric acid (pentanoic acid)	109-52-4	1.8E+02	n	7.0E+01	n >S	7.0E+03	n >S	1.8E+02	n	5.3E+04	n >S		9.5E+01	n	3.5E+01	n >S	3.5E+03	n >S	9.5E+01	n	3.4E+03	n >S			
Vanadium	7440-62-2	6.2E+02	n	2.6E+03	n >S	2.6E+05	n >S						6.1E+02	n	1.3E+03	n >S	1.3E+05	n >S							
Vernam	1929-77-7	6.8E+02	n	8.2E+00	n	8.2E+02	n						6.8E+02	n	4.1E+00	n	4.1E+02	n							
Vinyl acetate	108-05-4	4.3E+03	n	1.6E+02	n	1.6E+04	n	4.3E+03	n	4.3E+04	n		2.2E+03	n	8.0E+01	n	8.0E+03	n	2.2E+03	n	2.8E+03	n			
Vinyl chloride	75-01-4	1.5E+01	c	2.2E+02	m	2.2E+00	m	7.2E+01	c	7.1E+01	c		1.3E+01	c	1.1E+02	m	1.1E+00	m	3.7E+01	c	4.6E+00	c			
Vinylcyclohexane	695-12-5	5.1E+05	n	4.2E+03	n >S	4.2E+05	n >S						5.1E+05	n	2.1E+03	n >S	2.1E+05	n >S							
Warfarin	81-81-2	2.0E+02	n	8.4E+01	n	8.4E+01	n						2.0E+02	n	4.2E+01	n	4.2E+01	n							
Xylene, m-	108-38-3	1.3E+04	n	1.1E+02	m	1.1E+04	m >S	1.3E+04	n	1.6E+05	n >S		6.7E+03	n	5.3E+01	m	5.3E+03	m >S	6.7E+03	n	1.0E+04	n >S			
Xylene, o-	95-47-6	9.1E+04	n	7.1E+01	m	7.1E+03	m >S	9.5E+04	n	1.0E+06	n >S		4.8E+04	n	3.5E+01	m	3.5E+03	m >S	4.9E+04	n	4.9E+05	n >S			
Xylene, p-	106-42-3	1.3E+04	n	1.5E+02	m	1.5E+04	m >S	1.3E+04	n	2.0E+05	n >S		6.7E+03	n	7.5E+01	m	7.5E+03	m >S	6.7E+03	n	1.3E+04	n >S			
Xylenes	1330-20-7	1.2E+04	n	1.2E+02	m	1.2E+04	m >S	1.3E+04	n	1.8E+05	n >S		6.5E+03	n	6.1E+01	m	6.1E+03	m >S	6.7E+03	n	1.1E+04	n >S			
Zinc	7440-66-6	2.5E+05	n	7.0E+03	n >S	7.0E+05	n >S					1.6E+03	2.5E+05	n	3.5E+03	n >S	3.5E+05	n >S					8.0E+02		
6 C aliphatics (TPH)	NA	1.2E+04	n	5.1E+02	n ---	5.1E+04	n >S	1.4E+04	n	1.7E+04	n >S	---	6.6E+03	n	2.6E+02	n ---	2.6E+04	n >S	7.4E+03	n	1.1E+03	n >S	---		
>6-8 C aliphatics (TPH)	NA	1.2E+04	n	1.3E+03	n ---	1.3E+05	n >S	1.4E+04	n	2.8E+04	n >S	---	6.6E+03	n	6.3E+02	n ---	6.3E+04	n >S	7.4E+03	n	1.8E+03	n >S	---		
>8-10 C aliphatics (TPH)	NA	9.7E+03	n	1.1E+04	n >S	1.0E+06	n >S	1.1E+04	n	6.8E+04	n >S	---	5.5E+03	n	5.4E+03	n >S	5.4E+05	n >S	5.5E+03	n	4.4E+03	n >S	---		
>10-12 C aliphatics (TPH)	NA	9.3E+03	n	7.6E+04	n >S	1.0E+06	n >S	1.1E+04	n	3.2E+05	n >S	---	5.1E+03	n	3.8E+04	n >S	1.0E+06	n >S	5.5E+03	n	2.1E+04	n >S	---		
>12-16 C aliphatics (TPH)	NA	1.4E+04	n	1.0E+06	n >S	1.0E+06	n >S	1.7E+04	n	1.0E+06	n >S	---	7.7E+03	n	7.4E+05	n >S	1.0E+06	n >S	8.7E+03	n	9.3E+04	n >S	---		
>16-21 C aliphatics (TPH)	NA	1.0E+06	n	1.0E+06	n >S	1.0E+06	n >S	---	---	---	---	---	1.0E+06	n	1.0E+06	n >S	1.0E+06	n >S	---	---	---	---	---		
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	1.0E+06	n	1.0E+06	n >S	1.0E+06	n >S	---	---	---	---	---	1.0E+06	n	1.0E+06	n >S	1.0E+06	n >S	---	---	---	---	---		
>7-8 C aromatics (TPH)	NA	2.9E+04	n	6.0E+01	n ---	6.0E+03	n >S	4.1E+04	n	3.4E+05	n >S	---	1.7E+04	n	3.0E+01	n ---	3.0E+03	n >S	2.1E+04	n	2.2E+04	n >S	---		
>8-10 C aromatics (TPH)	NA	3.9E+03	n	1.9E+02	n ---	1.9E+04	n >S	4.3E+03	n	1.6E+05	n >S	---	2.1E+03	n	9.7E+01	n ---	9.7E+03	n >S	2.2E+03	n	1.1E+04	n >S	---		
>10-12 C aromatics (TPH)	NA	6.9E+03	n	3.0E+02	n ---	3.0E+04	n >S	9.2E+03	n	6.1E+05	n >S	---	4.0E+03	n	1.5E+02	n ---	1.5E+04	n >S	4.8E+03	n	4.0E+04	n >S	---		
>12-16 C aromatics (TPH)	NA	1.2E+04	n	5.9E+02	n ---	5.9E+04	n >S	2.1E+04	n	1.0E+06	n >S	---	7.8E+03	n	3.0E+02	n ---	3.0E+04	n >S	1.1E+04	n	1.4E+05	n >S	---		
>16-21 C aromatics (TPH)	NA	1.9E+04	n	1.4E+03	n >S	1.4E+05	n >S	---	---	---	---	---	1.9E+04	n	7.0E+02	n >S	7.0E+04	n >S	---	---	---	---	---		
>21-35 C aromatics (TPH)	NA	1.9E+04	n	1.1E+04	n >S	1.0E+06	n >S	---	---	---	---	---	1.9E+04	n	5.5E+03	n >S	5.5E+05	n >S	---	---	---	---	---		
Transformer mineral oil	NA	8.0E+04	n	7.5E+05	n ---	1.0E+06	n ---	1.2E+05	n	1.0E+06	n ---	---	5.2E+04	n	3.7E+05	n ---	1.0E+06	n ---	6.1E+04	n	8.6E+05	n ---	---		
Footnotes																									
In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cumulative carcinogenic risk level and hazard identification criteria specified in §350.72(c). For COCs which exhibit both carcinogenic and noncarcinogenic characteristics, they shall be evaluated as both a carcinogenic and noncarcinogenic when determining whether the PCL established for an individual COC for each of the individual and combined human health exposure pathways must be adjusted to a lower concentration to meet the cumulative risk and hazard criteria. The person shall then use the lower of the carcinogenic or noncarcinogenic PCL as the Tier 1 human health PCL. In other words, the Tier 1 PCLs provided in this table for an individual COC should not be used as the final Tier 1 human health PCL for any of the individual or combined exposure pathways in cases where there are more than 10 carcinogenic and/or more than 10 noncarcinogenic COCs within a source medium unless it can be demonstrated that further downward adjustment is not necessary to meet the cumulative risk and hazard criteria.																									
Combined includes inhalation, ingestion, and dermal pathways																									
c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than GW Ing value																									
For subsurface soils only																									
Please contact the TCEQ for assistance in determining a site-specific approach for GW Soil Ing values for these compounds.																									
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)).																									
Persons must use the value provided in the GW Soil for Secondary MCL column of this table as the GW Soil PCL for MTBE if the conditions described in §350.74(f)(3) exist.																									
Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.																									
These compounds, acetic acid, ammonium polyphosphate, ammonium salts, calcium, chloride, ethylene, hydrogen chloride (hydrochloric acid), iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulfate, sulfide, and sulfure, 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.state.tx.us/remediation/trrp/trrp.htm .																									
All values capped at 1E+06																									

		Residential						Commercial/Industrial						Secondary MCL ² (mg/L)				
Chemical of Concern		GW ² In _g (mg/L)	note ⁴	GW ³ Class ₃ (mg/L)	note ⁴	Air ^V GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	Air ³⁰ GW _{Inh-30} acre source area (mg/L)	note ⁴	GW ² GW _{In_g} (mg/L)	note ⁴	GW ³ GW _{Class₃} (mg/L)	note ⁴	Air ^V GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	Air ³⁰ GW _{Inh-30} acre source area (mg/L)	note ⁴	
Acenaphthene	83-32-9	1.5E+00	n	1.5E+02	n >S					4.4E+00	n >S	4.4E+02	n >S					
Acenaphthylene	208-96-8	1.5E+00	n	1.5E+02	n >S					4.4E+00	n >S	4.4E+02	n >S					
Acetaldehyde	75-07-0	2.4E+00	n	2.4E+02	n	2.4E+03	n	3.1E+02	n	7.3E+00	n	7.3E+02	n	3.3E+03	n	4.3E+02	n	
Acetate, 2-ethoxyethanol	111-15-9	2.4E+00	n	2.4E+02	n	4.5E+05	n >S	5.8E+04	n	7.3E+00	n	7.3E+02	n	6.3E+05	n >S	8.1E+04	n	
Acetate, isoamyl	123-92-2	1.8E+00	n	1.8E+02	n					5.3E+00	n	5.3E+02	n					
Acetate, isobutyl	110-19-0	1.2E+00	n	1.2E+02	n					3.5E+00	n	3.5E+02	n					
Acetate, sec-butyl	105-46-4	1.2E+00	n	1.2E+02	n					3.5E+00	n	3.5E+02	n					
Acetic acid*	64-19-7																	
Acetone (2-propanone)	67-64-1	2.2E+01	n	2.2E+03	n	1.0E+06	n >S	1.0E+06	n >S	6.6E+01	n	6.6E+03	n	1.0E+06	n >S	1.0E+06	n >S	
Acetone cyanohydrin	75-86-5	7.3E-02	n	7.3E+00	n	3.4E+05	n	4.4E+04	n	2.2E-01	n	2.2E+01	n	4.8E+05	n	6.2E+04	n	
Acetonitrile	75-05-8	7.8E-01	n	7.8E+01	n	3.2E+04	n	4.2E+03	n	2.3E+00	n	2.3E+02	n	4.5E+04	n	5.8E+03	n	
Acetophenone	98-86-2	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Acetylaminofluorene, 2-	53-96-3	2.4E-04	c	2.4E-02	c	6.3E+02	c >S	1.0E+02	c >S	5.4E-04	c	5.4E-02	c	1.1E+03	c >S	1.8E+02	c >S	
Acifluorfen, sodium	62476-59-9	3.2E-01	n	3.2E+01	n					9.5E-01	n	9.5E+01	n					
Acridine	260-94-6	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Acrolein	107-02-8	1.2E-02	n	1.2E+00	n	1.8E+03	n	2.3E+02	n	3.7E-02	n	3.7E+00	n	2.5E+03	n	3.2E+02	n	
Acrylamide	79-06-1	1.8E-03	c	1.8E-01	c	3.8E+03	c	5.0E+02	c	4.1E-03	c	4.1E-01	c	6.3E+03	c	8.4E+02	c	
Acrylic acid	79-10-7	1.2E+01	n	1.2E+03	n	1.5E+04	n	2.0E+03	n	3.7E+01	n	3.7E+03	n	2.1E+04	n	2.7E+03	n	
Acrylonitrile	107-13-1	1.7E-03	c	1.7E-01	c	5.8E+01	c	7.5E+00	c	3.8E-03	c	3.8E-01	c	9.7E+01	c	1.3E+01	c	
Adipic acid (hexanedioic acid)	124-04-9	4.9E+01	n	4.9E+03	n					1.5E+02	n	1.5E+04	n					
Alachlor	15972-60-8	2.0E-03	m	2.0E-01	m					2.0E-03	m	2.0E-01	m					
Aldicarb	116-06-3	7.0E-03	m	7.0E-01	m					7.0E-03	m	7.0E-01	m					
Aldicarb sulfone	1646-88-4	7.0E-03	m	7.0E-01	m					7.0E-03	m	7.0E-01	m					
Aldrin	309-00-2	5.4E-05	c	5.4E-03	c	4.4E+00	c >S	5.7E-01	c >S	1.2E-04	c	1.2E-02	c	7.4E+00	c >S	9.6E-01	c >S	
Allyl alcohol	107-18-6	1.2E-01	n	1.2E+01	n	3.0E+02	n	3.8E+01	n	3.7E-01	n	3.7E+01	n	4.1E+02	n	5.4E+01	n	
Allyl chloride	107-05-1	2.4E-01	n	2.4E+01	n	9.1E+00	n	1.2E+00	n	7.3E-01	n	7.3E+01	n	1.3E+01	n	1.7E+00	n	
Aluminum	7429-90-5	2.4E+01	n >S	2.4E+03	n >S					7.3E+01	n >S	7.3E+03	n >S					2.0E-01
Ametryn	834-12-8	2.2E-01	n	2.2E+01	n					6.6E-01	n	6.6E+01	n					
Amino-2,6-dinitrotoluene, 4-	19406-51-0	4.1E-03	n	4.1E-01	n					1.2E-02	n	1.2E+00	n					
Amino-4,6-dinitrotoluene, 2-	35572-78-2	4.1E-03	n	4.1E-01	n					1.2E-02	n	1.2E+00	n					
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	1.5E-04	c	1.5E-02	c					3.4E-04	c	3.4E-02	c					
Aminopyridine, 4-	504-24-5	4.9E-04	n	4.9E-02	n					1.5E-03	n	1.5E-01	n					
Ammonia	7664-41-7					2.7E+03	n	3.5E+02	n					3.8E+03	n	4.9E+02	n	1.5E+00
Ammonium polyphosphate*	6833-79-9																	
Ammonium salts*	Ammonium																	
Aniline	62-53-3	1.6E-01	c	1.6E+01	c	1.1E+04	n	1.4E+03	n	3.6E-01	c	3.6E+01	c	1.6E+04	n	2.0E+03	n	
Anthracene	120-12-7	7.3E+00	n >S	7.3E+02	n >S					2.2E+01	n >S	2.2E+03	n >S					
Anthraquinone, 9,10-	84-65-1	2.3E-02	c	2.3E+00	c >S					5.2E-02	c	5.2E+00	c >S					
Antimony	7440-36-0	6.0E-03	m >S	6.0E-01	m >S					6.0E-03	m >S	6.0E-01	m >S					
Aramite	140-57-8	3.7E-02	c	3.7E+00	c					8.2E-02	c	8.2E+00	c					
Arsenic	7440-38-2	1.0E-02	m >S	1.0E+00	m >S					1.0E-02	m >S	1.0E+00	m >S					
Arsine	7784-42-1																	
Asbestos	1332-21-4																	
Atrazine	1912-24-9	3.0E-03	m	3.0E-01	m					3.0E-03	m	3.0E-01	m					
Azinphos-methyl (guthion)	86-50-0	3.7E-02	n	3.7E+00	n >S					1.1E-01	n >S	1.1E+01	n >S					
Azobenzene	103-33-3	8.3E-03	c	8.3E-01	c	6.8E+02	c >S	8.8E+01	c >S	1.9E-02	c	1.9E+00	c >S	1.1E+03	c >S	1.5E+02	c >S	
Barium	7440-39-3	2.0E+00	m >S	2.0E+02	m >S					2.0E+00	m >S	2.0E+02	m >S					
Bayleton	43121-43-3	7.3E-01	n	7.3E+01	n >S					2.2E+00	n	2.2E+02	n >S					
Benefin (benfluralin)	1861-40-1	7.3E+00	n >S	7.3E+02	n >S					2.2E+01	n >S	2.2E+03	n >S					
Benomyl	17804-35-2	1.2E+00	n	1.2E+02	n >S					3.7E+00	n >S	3.7E+02	n >S					
Benz-a-anthracene	56-55-3	1.3E-03	c	1.3E-01	c >S	2.0E+03	c >S	2.6E+02	c >S	2.8E-03	c	2.8E-01	c >S	3.4E+03	c >S	4.4E+02	c >S	
Benzaldehyde	100-52-7	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Benzene	71-43-2	5.0E-03	m	5.0E-01	m	1.8E+02	c	2.3E+01	c	5.0E-03	m	5.0E-01	m	3.0E+02	c	3.9E+01	c	
Benzenedicarbonitrile, 1,3-	626-17-5	1.5E-01	n	1.5E+01	n					4.4E-01	n	4.4E+01	n					
Benzenedicarboxylic acid, 1,2-disodecyl ester	26761-40-0	9.8E-01	n >S	9.8E+01	n >S	1.5E+05	n >S	1.9E+04	n >S	2.9E+00	n >S	2.9E+02	n >S	2.0E+05	n >S	2.6E+04	n >S	
Benzenethiol	108-98-5	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
Benzidine	92-87-5	4.0E-06	c	4.0E-04	c	5.0E+00	c	8.4E-01	c	8.9E-06	c	8.9E-04	c	8.4E+00	c	1.4E+00	c	
Benzo-a-pyrene	50-32-8	2.0E-04	m	2.0E-02	m >S	3.9E+02	c >S	5.0E+01	c >S	2.0E-04	m	2.0E-02	m >S	6.5E+02	c >S	8.4E+01	c >S	
Benzo-b-fluoranthene	205-99-2	1.3E-03	c	1.3E-01	c >S	1.6E+03	c >S	2.1E+02	c >S	2.8E-03	c >S	2.8E-01	c >S	2.7E+03	c >S	3.5E+02	c >S	
Benzo-e-pyrene	192-97-2	7.3E-01	n >S	7.3E+01	n >S					2.2E+00	n >S	2.2E+02	n >S					
Benzo-g,h,i-perylene	191-24-2	7.3E-01	n >S	7.3E+01	n >S					2.2E+00	n >S	2.2E+02	n >S					
Benzoic acid	65-85-0	9.8E+01	n	9.8E+03	n >S					2.9E+02	n	2.9E+04	n >S					
Benzo-j-fluoranthene	205-82-3	1.3E-03	c	1.3E-01	c >S	1.0E+03	c >S	1.3E+02	c >S	2.8E-03	c >S	2.8E-01	c >S	1.7E+03	c >S	2.3E+02	c >S	
Benzo-k-fluoranthene	207-08-9	1.3E-02	c >S	1.3E+00	c >S	9.7E+04	c >S	1.3E+04	c >S	2.8E-02	c >S	2.8E+00	c >S	1.6E+05	c >S	2.1E+04	c >S	
Benzophenone	119-61-9	1.6E-01	n	1.6E+01	n					4.9E-01	n	4.9E+01	n >S					
Benzotrichloride	98-07-7	7.0E-05	c	7.0E-03	c					1.6E-04	c	1.6E-02	c					
Benzoyl peroxide	94-36-0	1.2E+00	n	1.2E+02	n >S					3.7E+00	n	3.7E+02	n >S					
Benzyl alcohol	100-51-6	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Benzyl chloride	100-44-7	5.4E-03	c	5.4E-01	c	1.0E+02	n	1.3E+01	n	1.2E-02	c	1.2E+00	c	1.4E+02	n	1.8E+01	n	
Benzyl dichloride	98-87-3	5.4E-03	c	5.4E-01	c	2.0E+02	n	2.6E+01	n	1.2E-02	c	1.2E+00	c	2.8E+02	n >S	3.6E+01	n	
Beryllium	7440-41-7	4.0E-03	m >S	4.0E-01	m >S					4.0E-03	m >S	4.0E-01	m >S					
Biphenyl, 1,1'-	92-52-4	1.2E+00	n	1.2E+02	n >S					3.7E+00	n	3.7E+02	n >S					
Biphenyl, 1,1'-, 2-phenoxy-	6738-04-1	1.2E+00	n >S	1.2E+02	n >S					3.7E+00	n >S	3.7E+02	n >S					
Biquinoline, 2,2'-	119-91-5	7.3E-02	n	7.3E+00	n >S					2.2E-01	n	2.2E+01	n >S					
Bis (2-chloroethoxy) methane	111-91-1	8.3E-04	c	8.3E-02	c	8.0E+01	c	1.0E+01	c	1.9E-03	c	1.9E-01	c	1.3E+02	c	1.7E+01	c	
Bis (2-chloroethyl) ether	111-44-4	8.3E-04	c	8.3E-02	c	9.3E+01	c	1.2E+01	c	1.9E-03	c	1.9E-01	c	1.6E+02	c	2.0E+01	c	
Bis (2-chloroisopropyl) ether	108-60-1	1.3E-02	c	1.3E+00	c	8.7E+02	c	1.1E+02	c	2.9E-02	c	2.9E+00	c	1.5E+03	c	1.9E+02	c	
Bis (2-chloromethyl) ether	542-88-1	4.1E-06	c	4.1E-04	c	8.5E-02	c	1.1E-02	c	9.3E-06	c	9.3E-04	c	1.4E-01	c	1.9E-02	c	
Bis (2-ethyl-hexyl) phthalate	117-81-7	6.0E-03	m	6.0E-01	m >S					6.0E-03</								

		Residential						Commercial/Industrial								Secondary MCL ² (mg/L)		
Chemical of Concern	CAS	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-V} 30 acre source area (mg/L)	note ⁴	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-V} 30 acre source area (mg/L)	note ⁴	
Butanol, 2-methyl-2-	75-85-4	2.4E-01	n	2.4E+01	n					7.3E-01	n	7.3E+01	n					
Butanol, n-	71-36-3	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Butene, 1-	106-98-9	1.5E+00	n	1.5E+02	n	1.0E+04	n >S	1.3E+03	n >S	4.4E+00	n	4.4E+02	n >S	1.4E+04	n >S	1.8E+03	n >S	
Butene, cis-2-	590-18-1	1.5E+00	n	1.5E+02	n	1.4E+04	n >S	1.9E+03	n >S	4.4E+00	n	4.4E+02	n >S	2.0E+04	n >S	2.6E+03	n >S	
Butene, trans-2-	624-64-6	1.5E+00	n	1.5E+02	n	1.4E+04	n >S	1.9E+03	n >S	4.4E+00	n	4.4E+02	n >S	2.0E+04	n >S	2.6E+03	n >S	
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EG	111-76-2	2.4E+00	n	2.4E+02	n	1.0E+06	n >S	1.0E+06	n >S	7.3E+00	n	7.3E+02	n	1.0E+06	n >S	1.0E+06	n >S	
Butyl acetate	123-86-4	3.4E+00	n	3.4E+02	n	9.2E+04	n >S	1.2E+04	n >S	1.0E+01	n	1.0E+03	n	1.3E+05	n >S	1.7E+04	n >S	
Butyl acrylate	141-32-2	2.2E-01	n	2.2E+01	n					6.6E-01	n	6.6E+01	n					
Butyl benzyl phthalate	85-68-7	4.8E-01	c	4.8E+01	c >S					1.1E+00	c	1.1E+02	c >S					
Butyl ether, n- (dibutyl ether)	142-96-1	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n >S					
Butyl methacrylate	97-88-1	2.2E+00	n	2.2E+02	n					6.6E+00	n	6.6E+02	n >S					
Butylate	2008-41-5	1.2E+00	n	1.2E+02	n >S					3.7E+00	n	3.7E+02	n >S					
Butylbenzene, n-	104-51-8	1.2E+00	n	1.2E+02	n >S					3.7E+00	n	3.7E+02	n >S					
Butylbenzene, sec-	135-98-8	9.8E-01	n	9.8E+01	n >S					2.9E+00	n	2.9E+02	n >S					
Butylbenzene, tert-	98-06-6	9.8E-01	n	9.8E+01	n >S					2.9E+00	n	2.9E+02	n >S					
Cacodylic acid	75-60-5	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Cadmium	7440-43-9	5.0E-03	m >S	5.0E-01	m >S					5.0E-03	m >S	5.0E-01	m >S					
Calcium*	7440-70-2																	
Caprolactam	105-60-2	1.2E+01	n	1.2E+03	n					3.7E+01	n	3.7E+03	n					
Captan	133-06-2	2.6E-01	c	2.6E+01	c >S					5.8E-01	c >S	5.8E+01	c >S					
Carbaryl	63-25-2	2.4E+00	n	2.4E+02	n >S					7.3E+00	n	7.3E+02	n >S					
Carbazole	86-74-8	4.6E-02	c	4.6E+00	c >S					1.0E-01	c	1.0E+01	c >S					
Carbofuran	1563-66-2	4.0E-02	m	4.0E+00	m					4.0E-02	m	4.0E+00	m					
Carbon disulfide	75-15-0	2.4E+00	n	2.4E+02	n	4.9E+03	n >S	6.3E+02	n	7.3E+00	n	7.3E+02	n	6.8E+03	n >S	8.8E+02	n	
Carbon tetrachloride	56-23-5	5.0E-03	m	5.0E-01	m	2.0E+01	c	2.5E+00	c	5.0E-03	m	5.0E-01	m	3.3E+01	c	4.3E+00	c	
Carbophenothion	786-19-6	3.2E-01	n	3.2E+01	n >S					9.5E-01	n	9.5E+01	n >S					
Carbosulfan	55285-14-8	2.4E-01	n	2.4E+01	n >S					7.3E-01	n >S	7.3E+01	n >S					
Carboxin	5234-68-4	2.4E+00	n	2.4E+02	n >S					7.3E+00	n	7.3E+02	n >S					
Chloral	75-87-6	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	3.7E-01	n	3.7E+01	n					1.1E+00	n	1.1E+02	n					
Chlordane (technical)	12789-03-6	2.0E-03	m	2.0E-01	m >S	7.7E+02	c >S	9.9E+01	c >S	2.0E-03	m	2.0E-01	m >S	1.3E+03	c >S	1.7E+02	c >S	
Chlordane, cis- (alpha chlordane)	5103-71-9	2.6E-03	c	2.6E-01	c >S	1.5E+02	c >S	2.0E+01	c >S	5.8E-03	c	5.8E-01	c >S	2.6E+02	c >S	3.3E+01	c >S	
Chlordane, gamma	5103-74-2	2.6E-03	c	2.6E-01	c >S	1.5E+02	c >S	2.0E+01	c >S	5.8E-03	c	5.8E-01	c >S	2.6E+02	c >S	3.3E+01	c >S	
Chlorfenvinphos	470-90-6	1.7E-02	n	1.7E+00	n					5.1E-02	n	5.1E+00	n					
Chloride*	16887-00-6																	2.5E+02
Chlorine	7782-50-5	4.0E+00	m	4.0E+02	m	2.2E-01	n >GW Ing	2.8E-02	n <GW Ing	4.0E+00	m	4.0E+02	m	3.1E-01	n >GW In	4.0E-02	n <GW Ing	
Chloro-1,3-butadiene, 2-	126-99-8					2.8E-01	c	3.7E-02	c					4.7E-01	c	6.1E-02	c	
Chloro-2-propanol, 1-	127-00-4	4.9E-01	n	4.9E+01	n					1.5E+00	n	1.5E+02	n					
Chloro-3-methylphenol, 4-	59-50-7	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Chloroaniline, p-	106-47-8	4.6E-03	c	4.6E-01	c					1.0E-02	c	1.0E+00	c					
Chlorobenzene	108-90-7	1.0E-01	m	1.0E+01	m	1.2E+03	n >S	1.5E+02	n	1.0E-01	m	1.0E+01	m	1.6E+03	n >S	2.1E+02	n	
Chlorobenzilate	510-15-6	3.4E-03	c	3.4E-01	c	7.0E+03	c >S	9.0E+02	c >S	7.6E-03	c	7.6E-01	c	1.2E+04	c >S	1.5E+03	c >S	
Chlorobromomethane (bromochloromethane)	74-97-5	9.8E-01	n	9.8E+01	n					2.9E+00	n	2.9E+02	n					
Chlorodifluoromethane	75-45-6					1.7E+05	n >S	2.2E+04	n >S					2.4E+05	n >S	3.1E+04	n >S	
Chloroethane (ethyl chloride)	75-00-3	9.8E+00	n	9.8E+02	n	1.2E+05	n >S	1.5E+04	n	2.9E+01	n	2.9E+03	n	1.6E+05	n >S	2.1E+04	n >S	
Chloroethanol, 2-	107-07-3	9.8E+00	n	9.8E+02	n					2.9E+01	n	2.9E+03	n					
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	8.3E-04	c	8.3E-02	c	2.0E+01	n	2.5E+00	n	1.9E-03	c	1.9E-01	c	2.7E+01	n	3.5E+00	n	
Chloroform ⁶	67-66-3	2.4E-01	n	2.4E+01	n	2.0E+01	c	2.6E+00	c	7.3E-01	n	7.3E+01	n	3.3E+01	c	4.3E+00	c	
Chlorohexane, 1-	544-10-5	9.8E-01	n	9.8E+01	n >S	7.3E+03	n >S	9.4E+02	n >S	2.9E+00	n	2.9E+02	n >S	1.0E+04	n >S	1.3E+03	n >S	
Chloromethane (methyl chloride)	74-87-3	7.0E-02	c	7.0E+00	c	3.6E+01	c	4.7E+00	c	1.6E-01	c	1.6E+01	c	6.1E+01	c	7.9E+00	c	
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	2.0E+00	n	2.0E+02	n >S					5.8E+00	n	5.8E+02	n >S					
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	2.0E+00	n	2.0E+02	n >S					5.8E+00	n	5.8E+02	n >S					
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	2.4E-02	n	2.4E+00	n	7.6E+02	n >S	9.9E+01	n	7.3E-02	n	7.3E+00	n	1.1E+03	n >S	1.4E+02	n	
Chlorophenol, 2-	95-57-8	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Chlorophenol, 3-	108-43-0	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Chlorophenol, 4-	106-48-9	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Chlorophenyl phenylether, 4-	7005-72-3	6.1E-05	c	6.1E-03	c	1.2E+00	c	1.6E-01	c	1.4E-04	c	1.4E-02	c	2.1E+00	c >S	2.7E-01	c	
Chloropropane, 2-	75-29-6	7.3E-01	n	7.3E+01	n	4.7E+02	n	6.0E+01	n	2.2E+00	n	2.2E+02	n	6.5E+02	n	8.5E+01	n	
Chlorothalonil	1897-45-6	8.3E-02	c	8.3E+00	c					1.9E-01	c	1.9E+01	c					
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	4.9E-01	n	4.9E+01	n	2.4E+04	n >S	3.1E+03	n >S	1.5E+00	n	1.5E+02	n	3.3E+04	n >S	4.3E+03	n >S	
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	4.9E-01	n	4.9E+01	n					1.5E+00	n	1.5E+02	n >S					
Chlorpyrifos	2921-88-2	7.3E-02	n	7.3E+00	n >S					2.2E-01	n	2.2E+01	n >S					
Chromium (III)	16065-83-1	1.0E-01	m >S	1.0E+01	m >S					1.0E-01	m >S	1.0E+01	m >S					
Chromium (total)	7440-47-3	1.0E-01	m >S	1.0E+01	m >S					1.0E-01	m >S	1.0E+01	m >S					
Chromium (VI)	18540-29-9	1.0E-01	m >S	1.0E+01	m >S					1.0E-01	m >S	1.0E+01	m >S					
Chrysene	218-01-9	1.3E-01	c >S	1.3E+01	c >S	5.8E+05	c >S	7.5E+04	c >S	2.8E-01	c >S	2.8E+01	c >S	9.8E+05	c >S	1.3E+05	c >S	
Cobalt	7440-48-4	7.3E-03	n >S	7.3E-01	n >S					2.2E-02	n >S	2.2E+00	n >S					
Copolymer acrylamide	69418-26-4	4.9E-03	n	4.9E-01	n					1.5E-02	n	1.5E+00	n					
Copper	7440-50-8	1.3E+00	a >S	1.3E+02	a >S					1.3E+00	a >S	1.3E+02	a >S					1.0E+00
Coronene	191-07-1	4.9E-02	n >S	4.9E+00	n >S					1.5E-01	n >S	1.5E+01	n >S					
Coumaphos	56-72-4	1.7E-01	n	1.7E+01	n >S					5.1E-01	n >S	5.1E+01	n >S					
Cresol	1319-77-3	1.2E+00	n	1.2E+02	n					3.7E+00	n	3.7E+02	n					
Cresol, m- (3-methylphenol)	108-39-4	1.2E+00	n	1.2E+02	n					3.7E+00	n	3.7E+02	n					
Cresol, o- (2-methylphenol)	95-48-7	1.2E+00	n	1.2E+02	n					3.7E+00	n	3.7E+02	n					
Cresol, p- (4-methylphenol)	106-44-5	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Crotonaldehyde	123-73-9	4.8E-04	c	4.8E-02	c					1.1E-03	c	1.1E-01	c					
Cumene (isopropylbenzene)	98-82-8	2.4E+00	n	2.4E+02	n >S	4.4E+03	n >S	5.7E+02	n >S	7.3E+00	n	7.3E+02						

		Residential						Commercial/Industrial								Secondary MCL ² (mg/L)		
Chemical of Concern	CAS	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-V} 30 acre source area (mg/L)	note ⁴	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-V} 30 acre source area (mg/L)	note ⁴	
DDE	72-55-9	2.7E-03	c	2.7E-01	c >S					6.0E-03	c	6.0E-01	c >S					
DDT	50-29-3	2.7E-03	c	2.7E-01	c >S	6.2E+02	c >S	8.1E+01	c >S	6.0E-03	c >S	6.0E-01	c >S	1.0E+03	c >S	1.4E+02	c >S	
Demeton	8065-48-3	9.8E-04	n	9.8E-02	n					2.9E-03	n	2.9E-01	n					
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	9.8E-01	n	9.8E+01	n					2.9E+00	n	2.9E+02	n					
Diallate	2303-16-4	1.5E-02	c	1.5E+00	c					3.4E-02	c	3.4E+00	c					
Diazinon	333-41-5	2.2E-02	n	2.2E+00	n	4.0E+03	n >S	5.2E+02	n >S	6.6E-02	n	6.6E+00	n	5.6E+03	n >S	7.2E+02	n >S	
Dibenz(a,h)acridine	226-36-8	7.6E-04	c >S	7.6E-02	c >S	8.1E+03	c >S	1.1E+03	c >S	1.7E-03	c >S	1.7E-01	c >S	1.4E+04	c >S	1.8E+03	c >S	
Dibenz(a,j)acridine	224-42-0	1.3E-03	c >S	1.3E-01	c >S	1.0E+04	c >S	1.3E+03	c >S	2.8E-03	c >S	2.8E-01	c >S	1.7E+04	c >S	2.2E+03	c >S	
Dibenz-a,h-anthracene	53-70-3	2.0E-04	c	2.0E-02	c >S	1.0E+03	c >S	1.3E+02	c >S	2.8E-04	c	2.8E-02	c >S	1.8E+03	c >S	2.3E+02	c >S	
Dibenzo(a,e)pyrene	192-65-4	1.3E-04	c >S	1.3E-02	c >S	1.0E+03	c >S	1.3E+02	c >S	2.8E-04	c >S	2.8E-02	c >S	1.7E+03	c >S	2.2E+02	c >S	
Dibenzo(a,h)pyrene	189-64-0	1.3E-05	c	1.3E-03	c >S	1.0E+02	c >S	1.3E+01	c >S	2.8E-05	c >S	2.8E-03	c >S	1.7E+02	c >S	2.2E+01	c >S	
Dibenzo(a,i)pyrene	189-55-9	1.3E-05	c	1.3E-03	c >S	1.0E+02	c >S	1.3E+01	c >S	2.8E-05	c	2.8E-03	c >S	1.7E+02	c >S	2.2E+01	c >S	
Dibenzofuran	132-64-9	9.8E-02	n	9.8E+00	n >S					2.9E-01	n	2.9E+01	n >S					
Dibenzothiophene	132-65-0	7.3E-02	n	7.3E+00	n >S					2.2E-01	n >S	2.2E+01	n >S					
Dibromo-3-chloropropane, 1,2-	96-12-8	2.0E-04	m	2.0E-02	m	6.2E-01	c	8.0E-02	c	2.0E-04	m	2.0E-02	m	1.0E+00	c	1.3E-01	c	
Dibromochloromethane ⁶ (chlorodibromomethane)	124-48-1	1.1E-02	c	1.1E+00	c					2.4E-02	c	2.4E+00	c					
Dibromofluoromethane	1868-53-7	4.9E+00	n	4.9E+02	n					1.5E+01	n	1.5E+03	n					
Dicamba	1918-00-9	7.3E-01	n	7.3E+01	n					2.2E+00	n	2.2E+02	n					
Dichlormid	37764-25-3	6.1E-01	n	6.1E+01	n					1.8E+00	n	1.8E+02	n					
Dichloro-2-butene, 1,4-	764-41-0					6.7E-01	c	8.7E-02	c					1.1E+00	c	1.5E-01	c	
Dichloro-2-butene, 1,4- trans	110-57-6					6.5E-01	c	8.5E-02	c					1.1E+00	c	1.4E-01	c	
Dichlorobenzene, 1,2-	95-50-1	6.0E-01	m	6.0E+01	m	1.2E+03	n >S	1.5E+02	n	6.0E-01	m	6.0E+01	m	1.6E+03	n >S	2.1E+02	n >S	
Dichlorobenzene, 1,3-	541-73-1	7.3E-01	n	7.3E+01	n	1.9E+02	n >S	2.5E+01	n	2.2E+00	n	2.2E+02	n >S	2.7E+02	n >S	3.4E+01	n	
Dichlorobenzene, 1,4-	106-46-7	7.5E-02	m	7.5E+00	m	3.6E+03	n >S	4.6E+02	n >S	7.5E-02	m	7.5E+00	m	5.0E+03	n >S	6.5E+02	n >S	
Dichlorobenzidine, 3,3'-	91-94-1	2.0E-03	c	2.0E-01	c					4.5E-03	c	4.5E-01	c					
Dichlorobutane, 2,3-	7581-97-7	2.4E-01	n	2.4E+01	n	1.4E+02	n	1.9E+01	n	7.3E-01	n	7.3E+01	n	2.0E+02	n	2.6E+01	n	
Dichlorodifluoromethane	75-71-8	4.9E+00	n	4.9E+02	n >S	6.0E+01	n	7.8E+00	n	1.5E+01	n	1.5E+03	n >S	8.4E+01	n	1.1E+01	n <GW Ing	
Dichloroethane, 1,1-	75-34-3	4.9E+00	n	4.9E+02	n	4.3E+04	n >S	5.6E+03	n >S	1.5E+01	n	1.5E+03	n	6.0E+04	n >S	7.8E+03	n >S	
Dichloroethane, 1,2-	107-06-2	5.0E-03	m	5.0E-01	m	3.3E+01	c	4.3E+00	c	5.0E-03	m	5.0E-01	m	5.5E+01	c	7.2E+00	c	
Dichloroethylene, 1,1-	75-35-4	7.0E-03	m	7.0E-01	m	1.7E+03	n	2.2E+02	n	7.0E-03	m	7.0E-01	m	2.3E+03	n	3.0E+02	n	
Dichloroethylene, cis-1,2-	156-59-2	7.0E-02	m	7.0E+00	m	1.2E+03	n	1.6E+02	n	7.0E-02	m	7.0E+00	m	1.7E+03	n	2.2E+02	n	
Dichloroethylene, trans-1,2	156-60-5	1.0E-01	m	1.0E+01	m	7.7E+02	n	9.9E+01	n	1.0E-01	m	1.0E+01	m	1.1E+03	n	1.4E+02	n	
Dichlorofluoromethane	75-43-4	4.9E+00	n	4.9E+02	n					1.5E+01	n	1.5E+03	n					
Dichlorophenol, 2,3-	576-24-9	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichlorophenol, 2,4-	120-83-2	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichlorophenol, 2,5-	583-78-8	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichlorophenol, 2,6-	87-65-0	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
Dichlorophenol, 3,4-	95-77-2	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichlorophenol, 3,5-	591-35-5	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	2.0E-01	n	2.0E+01	n					5.8E-01	n	5.8E+01	n					
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	7.0E-02	m	7.0E+00	m					7.0E-02	m	7.0E+00	m					
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	2.4E-01	n	2.4E+01	n					7.3E-01	n	7.3E+01	n					
Dichloropropane, 1,2-	78-87-5	5.0E-03	m	5.0E-01	m	1.2E+02	n	1.5E+01	n	5.0E-03	m	5.0E-01	m	1.6E+02	n	2.1E+01	n	
Dichloropropane, 1,3-	142-28-9	9.1E-03	c	9.1E-01	c	2.5E+02	c	3.3E+01	c	2.0E-02	c	2.0E+00	c	4.3E+02	c	5.5E+01	c	
Dichloropropane, 2,2-	594-20-7	1.3E-02	c	1.3E+00	c	5.7E+01	n	7.3E+00	n	3.0E-02	c	3.0E+00	c	7.9E+01	n	1.0E+01	n	
Dichloropropanol, 2,3-	616-23-9	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Dichloropropene, 1,1-	563-58-6	9.1E-03	c	9.1E-01	c	1.9E+01	c	2.5E+00	c	2.0E-02	c	2.0E+00	c	3.2E+01	c	4.2E+00	c	
Dichloropropene, 1,3- (mixed isomers)	542-75-6	9.1E-03	c	9.1E-01	c	1.8E+02	c	2.3E+01	c	2.0E-02	c	2.0E+00	c	3.0E+02	c	3.8E+01	c	
Dichloropropene, cis 1,3-	10061-01-5	1.7E-03	c	1.7E-01	c	6.9E+02	n	8.9E+01	n	3.8E-03	c	3.8E-01	c	9.7E+02	n	1.2E+02	n	
Dichloropropene, trans 1,3-	10061-02-6	9.1E-03	c	9.1E-01	c	1.9E+02	c	2.5E+01	c	2.0E-02	c	2.0E+00	c	3.2E+02	c	4.1E+01	c	
Dichlorvos	62-73-7	3.1E-03	c	3.1E-01	c	1.0E+04	n	1.3E+03	n	7.0E-03	c	7.0E-01	c	1.4E+04	n	1.8E+03	n	
Dicrotophos (bidrin)	141-66-2	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Dicyclopentadiene	77-73-6	2.0E-01	n	2.0E+01	n					5.8E-01	n	5.8E+01	n					
Dieldrin	60-57-1	5.7E-05	c	5.7E-03	c	1.3E+02	c >S	1.6E+01	c >S	1.3E-04	c	1.3E-02	c	2.1E+02	c >S	2.8E+01	c >S	
Diethanolamine	111-42-2	1.2E-02	n	1.2E+00	n					3.7E-02	n	3.7E+00	n					
Diethyl phthalate	84-66-2	2.0E+01	n	2.0E+03	n >S					5.8E+01	n	5.8E+03	n >S					
Diethylene glycol	111-46-6	4.9E+01	n	4.9E+03	n					1.5E+02	n	1.5E+04	n					
Diethylene glycol monobutyl ether	112-34-5	7.3E-01	n	7.3E+01	n	3.2E+03	n	4.1E+02	n	2.2E+00	n	2.2E+02	n	4.5E+03	n	5.8E+02	n	
Diethylhexyl adipate	103-23-1	4.0E-01	m >S	4.0E+01	m >S					4.0E-01	m >S	4.0E+01	m >S					
Diethylstilbestrol	56-53-1	1.9E-07	c	1.9E-05	c					4.3E-07	c	4.3E-05	c					
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	1.5E+00	n	1.5E+02	n >S	2.3E+01	n >S	3.0E+00	n	4.4E+00	n >S	4.4E+02	n >S	3.2E+01	n >S	4.2E+00	n >S	
Diisopropylbenzene, p-	100-18-5	2.4E-01	n	2.4E+01	n >S					7.3E-01	n	7.3E+01	n >S					
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	2.4E+00	n	2.4E+02	n	2.0E+04	n >S	2.5E+03	n	7.3E+00	n	7.3E+02	n	2.7E+04	n >S	3.5E+03	n >S	
Dimethenamid	87674-68-8	3.7E-01	n	3.7E+01	n					1.1E+00	n	1.1E+02	n					
Dimethoate	60-51-5	4.9E-03	n	4.9E-01	n					1.5E-02	n	1.5E+00	n					
Dimethoxybenzidine, 3,3'-	119-90-4	6.5E-02	c	6.5E+00	c					1.5E-01	c	1.5E+01	c					
Dimethylphenethylamine, alpha, alpha-	122-09-8	4.9E-02	n	4.9E+00	n					1.5E-01	n	1.5E+01	n					
Dimethyl phenol, 2,4-	105-67-9	4.9E-01	n	4.9E+01	n					1.5E+00	n	1.5E+02	n					
Dimethylaminoazobenzene, p-	60-11-7	2.4E-04	n	2.4E-02	n					7.3E-04	n	7.3E-02	n					
Dimethylbenz-a-anthracene, 7,12-	57-97-6	3.7E-06	c	3.7E-04	c	3.3E+01	c >S	4.3E+00	c >S	8.2E-06	c	8.2E-04	c	5.5E+01	c >S	7.2E+00	c >S	
Dimethylbenzidine, 3,3'-	119-93-7	8.3E-05	c	8.3E-03	c					1.9E-04	c	1.9E-02	c					
Dimethylnaphthalene, 1,3-	575-41-7	9.8E-01	n	9.8E+01	n >S					2.9E+00	n	2.9E+02	n >S					
Dimethylphthalate	131-11-3	2.0E+01	n	2.0E+03	n					5.8E+01	n	5.8E+03	n >S					
Di-n-butyl phthalate	84-74-2	2.4E+00	n	2.4E+02	n >S					7.3E+00	n	7.3E+02	n >S					
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	2.4E-0																

		Residential						Commercial/Industrial								Secondary MCL ² (mg/L)		
Chemical of Concern	CAS	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh- √ 30 acre source area (mg/L)}	note ⁴	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh- √ 30 acre source area (mg/L)}	note ⁴	
Endosulfan	115-29-7	1.5E-01	n	1.5E+01	n >S					4.4E-01	n	4.4E+01	n >S					
Endosulfan I	959-98-8	4.9E-02	n	4.9E+00	n >S					1.5E-01	n	1.5E+01	n >S					
Endosulfan II	33213-65-9	1.5E-01	n	1.5E+01	n >S					4.4E-01	n	4.4E+01	n >S					
Endosulfan sulfate	1031-07-8	1.5E-01	n >S	1.5E+01	n >S					4.4E-01	n >S	4.4E+01	n >S					
Endothall	145-73-3	1.0E-01	m	1.0E+01	m					1.0E-01	m	1.0E+01	m					
Endrin	72-20-8	2.0E-03	m	2.0E-01	m					2.0E-03	m	2.0E-01	m					
Endrin aldehyde	7421-93-4	7.3E-03	n	7.3E-01	n >S					2.2E-02	n >S	2.2E+00	n >S					
Endrin ketone	53494-70-5	7.3E-03	n	7.3E-01	n					2.2E-02	n	2.2E+00	n >S					
Epichlorohydrin	106-89-8	9.2E-02	c	9.2E+00	c	7.1E+02	n	9.1E+01	n	2.1E-01	c	2.1E+01	c	9.9E+02	n	1.3E+02	n	
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	2.4E-04	n	2.4E-02	n					7.3E-04	n	7.3E-02	n					
Esfenvalerate	66230-04-4	4.9E-02	n >S	4.9E+00	n >S					1.5E-01	n >S	1.5E+01	n >S					
Ethalfuralin (sonolan)	55283-68-6	1.0E-02	c	1.0E+00	c					2.3E-02	c	2.3E+00	c					
Ethanol	64-17-5	8.1E+02	n	8.1E+04	n					2.4E+03	n	2.4E+05	n					
Ethanol, 2-amino-	141-43-5	4.2E-02	n	4.2E+00	n					1.2E-01	n	1.2E+01	n					
Ethanol, 2-(2-aminoethoxy)-	929-06-6	1.2E-02	n	1.2E+00	n					3.7E-02	n	3.7E+00	n					
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	4.9E+01	n	4.9E+03	n					1.5E+02	n	1.5E+04	n					
Ethanol, 2-(methylamino)-	109-83-1	3.9E-01	n	3.9E+01	n	1.0E+06	n	1.3E+05	n	1.2E+00	n	1.2E+02	n	1.0E+06	n >S	1.8E+05	n	
Ethion	563-12-2	1.2E-02	n	1.2E+00	n >S					3.7E-02	n	3.7E+00	n >S					
Ethoprop	13194-48-4	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Ethoxy ethanol, 2-	110-80-5	9.8E+00	n	9.8E+02	n >S	4.9E+02	n >S	6.4E+01	n >S	2.9E+01	n >S	2.9E+03	n >S	6.9E+02	n >S	9.0E+01	n >S	
Ethyl acetate	141-78-6	2.2E+01	n	2.2E+03	n					6.6E+01	n	6.6E+03	n					
Ethyl acrylate	140-88-5	1.9E-02	c	1.9E+00	c					4.3E-02	c	4.3E+00	c					
Ethyl benzene	100-41-4	7.0E-01	m	7.0E+01	m	3.0E+04	n >S	3.8E+03	n >S	7.0E-01	m	7.0E+01	m	4.2E+04	n >S	5.4E+03	n >S	
Ethyl dipropylthiocarbamate, S-	759-94-4	6.1E-01	n	6.1E+01	n					1.8E+00	n	1.8E+02	n					
Ethyl ether	60-29-7	4.9E+00	n	4.9E+02	n					1.5E+01	n	1.5E+03	n					
Ethyl methacrylate	97-63-2	2.2E+00	n	2.2E+02	n	5.7E+04	n >S	7.4E+03	n	6.6E+00	n	6.6E+02	n	8.0E+04	n >S	1.0E+04	n	
Ethyl methanesulfonate	62-50-0	9.2E-03	c	9.2E-01	c	1.9E+04	c	2.4E+03	c	2.1E-02	c	2.1E+00	c	3.1E+04	c	4.0E+03	c	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	2.4E-02	n	2.4E+00	n	1.1E+04	n >S	1.4E+03	n	7.3E-02	n	7.3E+00	n	1.5E+04	n >S	2.0E+03	n	
Ethyl-1-hexanol, 2-	104-76-7	3.7E+00	n	3.7E+02	n					1.1E+01	n	1.1E+03	n >S					
Ethyl-2-hexenal, 2-	645-62-5	3.7E+00	n	3.7E+02	n					1.1E+01	n	1.1E+03	n >S					
Ethyl-2-methyl benzene, 1-	611-14-3	1.2E+00	n	1.2E+02	n >S	9.2E+03	n >S	1.2E+03	n >S	3.7E+00	n	3.7E+02	n >S	1.3E+04	n >S	1.7E+03	n >S	
Ethyl-4-methyl benzene, 1-	622-96-8	1.2E+00	n	1.2E+02	n >S	7.0E+03	n >S	9.0E+02	n >S	3.7E+00	n	3.7E+02	n >S	9.7E+03	n >S	1.3E+03	n >S	
Ethylene*	74-85-1																	
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	5.0E-05	m	5.0E-03	m	5.6E+00	c	7.2E-01	c	5.0E-05	m	5.0E-03	m	9.4E+00	c	1.2E+00	c	
Ethylene glycol	107-21-1	4.9E+01	n	4.9E+03	n					1.5E+02	n	1.5E+04	n					
Ethylene oxide	75-21-8	8.9E-04	c	8.9E-02	c	4.2E+01	c	5.4E+00	c	2.0E-03	c	2.0E-01	c	7.0E+01	c	9.1E+00	c	
Ethylene thiourea	96-45-7	2.0E-03	n	2.0E-01	n					5.8E-03	n	5.8E-01	n					
Ethylenediamine	107-15-3	2.2E+00	n	2.2E+02	n					6.6E+00	n	6.6E+02	n					
Ethylenimine	151-56-4	1.4E-05	c	1.4E-03	c	1.4E+01	c	1.8E+00	c	3.1E-05	c	3.1E-03	c	2.3E+01	c	3.0E+00	c	
Ethylhexyl acrylate, 2-	103-11-7	1.9E-02	c	1.9E+00	c					4.3E-02	c	4.3E+00	c					
Famphur	52-85-7	7.3E-04	n	7.3E-02	n					2.2E-03	n	2.2E-01	n					
Fensulfothion	115-90-2	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
Fenthion	55-38-9	1.7E-03	n	1.7E-01	n					5.1E-03	n	5.1E-01	n					
Fluoranthene	206-44-0	9.8E-01	n >S	9.8E+01	n >S					2.9E+00	n >S	2.9E+02	n >S					
Fluorene	86-73-7	9.8E-01	n	9.8E+01	n >S					2.9E+00	n >S	2.9E+02	n >S					
Fluorine (soluble fluoride)	7782-41-4	4.0E+00	m	4.0E+02	m					4.0E+00	m	4.0E+02	m					2.0E+00
Fluorochloridone	61213-25-0	1.8E-01	n	1.8E+01	n					5.5E-01	n	5.5E+01	n					
Fonofos	944-22-9	4.9E-02	n	4.9E+00	n					1.5E-01	n	1.5E+01	n >S					
Formaldehyde	50-00-0	4.9E+00	n	4.9E+02	n	8.6E+04	n	1.1E+04	n	1.5E+01	n	1.5E+03	n	1.2E+05	n	1.6E+04	n	
Formic acid	64-18-6	2.2E+01	n	2.2E+03	n	1.7E+04	n	2.3E+03	n	6.6E+01	n	6.6E+03	n	2.4E+04	n	3.2E+03	n	
Furan	110-00-9	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
Furfural	98-01-1	7.3E-02	n	7.3E+00	n					2.2E-01	n	2.2E+01	n					
Glycidylaldehyde	765-34-4	9.8E-03	n	9.8E-01	n	1.4E+04	n	1.9E+03	n	2.9E-02	n	2.9E+00	n	2.0E+04	n	2.6E+03	n	
Glyphosate	1071-83-6	7.0E-01	m	7.0E+01	m					7.0E-01	m	7.0E+01	m					
Heptachlor	76-44-8	4.0E-04	m	4.0E-02	m	6.3E+00	c >S	8.1E-01	c >S	4.0E-04	m	4.0E-02	m	1.1E+01	c >S	1.4E+00	c >S	
Heptachlor epoxide	1024-57-3	2.0E-04	m	2.0E-02	m	1.2E+02	c >S	1.5E+01	c >S	2.0E-04	m	2.0E-02	m	2.0E+02	c >S	2.6E+01	c >S	
Heptane, n-	142-82-5	1.5E+00	n	1.5E+02	n >S	1.7E+03	n >S	2.2E+02	n >S	4.4E+00	n >S	4.4E+02	n >S	2.4E+03	n >S	3.1E+02	n >S	
Heptanoic acid, n-	111-14-8	1.2E+01	n	1.2E+03	n	1.7E+04	n >S	2.1E+03	n >S	3.7E+01	n	3.7E+03	n >S	2.3E+04	n >S	3.0E+03	n >S	
Hexachlorobenzene	118-74-1	1.0E-03	m	1.0E-01	m >S	5.7E+00	c >S	7.4E-01	c >S	1.0E-03	m	1.0E-01	m >S	9.6E+00	c >S	1.2E+00	c >S	
Hexachlorobutadiene	87-68-3	1.2E-02	c	1.2E+00	c	8.9E+00	c >S	1.1E+00	c	2.6E-02	c	2.6E+00	c >S	1.5E+01	c >S	1.9E+00	c	
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	1.4E-04	c	1.4E-02	c	1.5E+02	c >S	2.0E+01	c >S	3.2E-04	c	3.2E-02	c	2.6E+02	c >S	3.3E+01	c >S	
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	5.1E-04	c	5.1E-02	c	1.1E+03	c >S	1.5E+02	c >S	1.1E-03	c	1.1E-01	c	1.9E+03	c >S	2.5E+02	c >S	
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	5.1E-04	c	5.1E-02	c	3.6E+02	c >S	4.7E+01	c >S	1.1E-03	c	1.1E-01	c	6.1E+02	c >S	7.9E+01	c >S	
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	2.0E-04	m	2.0E-02	m					2.0E-04	m	2.0E-02	m					
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	5.1E-04	c	5.1E-02	c	9.9E+02	c >S	1.3E+02	c >S	1.1E-03	c	1.1E-01	c	1.7E+03	c >S	2.2E+02	c >S	
Hexachlorocyclopentadiene	77-47-4	5.0E-02	m	5.0E+00	m >S	5.4E+00	n >S	7.0E-01	n	5.0E-02	m	5.0E+00	m >S	7.6E+00	n >S	9.8E-01	n	
Hexachloroethane	67-72-1	1.7E-02	n	1.7E+00	n	7.3E+03	n >S	9.5E+02	n >S	5.1E-02	n	5.1E+00	n	1.0E+04	n >S	1.3E+03	n >S	
Hexachlorophene	70-30-4	7.3E-03	n >S	7.3E-01	n >S					2.2E-02	n >S	2.2E+00	n >S					
Hexachloropropylene	1888-71-7	2.4E-02	n	2.4E+00	n	4.2E+02	c >S	5.4E+01	c >S	7.3E-02	n	7.3E+00	n	7.0E+02	c >S	9.1E+01	c >S	
Hexanal, 2-ethyl-	123-05-7	3.7E+00	n	3.7E+02	n					1.1E+01	n	1.1E+03	n >S					
Hexane, n-	110-54-3	1.5E+00	n	1.5E+02	n >S	3.8E+01	n >S	4.9E+00	n	4.4E+00	n	4.4E+02	n >S	5.3E+01	n >S	6.9E+00	n	
Hexanediamine, 1,6-	124-09-4	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n					
Hexanedinitrile	111-69-3	3.4E-02	n	3.4E+00	n	1.6E+05	n	2.1E+04	n	1.0E-01	n	1.0E+01	n	2.2E+05	n	2.9E+04	n	
Hexanediol, 1,6-	629-11-8	1.2E+02	n	1.2E+04	n	1.0E+06	n >S	1.0E+06	n >S	3.7E+02	n	3.7E+04	n >S	1.0E+06	n >S	1.0E+06	n >S	
Hexanoic acid	142-62-1	1.6E+00	n	1.6E+02	n	2.1E+04	n >S	2.7E+03	n	4.7E+00	n	4.7E+02	n	3.0E+04	n >S	3.8E+03	n	
Hexanone, 2-	591-78-6	1.2E-01	n	1.2E+01	n	1.2E+04	n	1.5E+03	n	3.7E-01	n	3.7E+01	n	1.6E+04	n	2.1E+03	n	
Hex																		

		Residential						Commercial/Industrial						Secondary MCL ² (mg/L)				
Chemical of Concern	CAS	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh- v} 30 acre source area (mg/L)	note ⁴	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh- v} 30 acre source area (mg/L)	note ⁴	
Isosafrole	120-58-1	4.1E-03	c	4.1E-01	c	4.3E+02	c >S	5.5E+01	c	9.3E-03	c	9.3E-01	c	7.2E+02	c >S	9.3E+01	c	
Kelthane (dicofol)	115-32-2	1.5E-01	n	1.5E+01	n >S					4.4E-01	n	4.4E+01	n >S					
Kepone (chlordecone)	143-50-0	9.1E-05	c	9.1E-03	c	2.4E+02	c >S	3.0E+01	c >S	2.0E-04	c	2.0E-02	c	4.0E+02	c >S	5.1E+01	c >S	
Lead (inorganic)	7439-92-1	1.5E-02	a >S	1.5E+00	a >S					1.5E-02	a >S	1.5E+00	a >S					
Leptophos	21609-90-5	1.2E-04	n	1.2E-02	n >S	6.4E+01	n >S	8.2E+00	n >S	3.7E-04	n	3.7E-02	n >S	8.9E+01	n >S	1.2E+01	n >S	
Limonene, d-*	5989-27-5																	
Lithium	7439-93-2	4.9E-02	n	4.9E+00	n					1.5E-01	n	1.5E+01	n					
Magnesium*	7439-95-4																	
Malathion	121-75-5	4.9E-01	n	4.9E+01	n	9.2E+03	n >S	1.2E+03	n >S	1.5E+00	n	1.5E+02	n >S	1.3E+04	n >S	1.7E+03	n >S	
Maleic anhydride	108-31-6	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Maleic hydrazide	123-33-1	1.2E+01	n	1.2E+03	n					3.7E+01	n	3.7E+03	n					
Malononitrile	109-77-3	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Mancozeb	8018-01-7	7.3E-01	n	7.3E+01	n >S					2.2E+00	n	2.2E+02	n >S					
Manganese	7439-96-5	1.1E+00	n >S	1.1E+02	n >S					1.0E+01	n >S	1.0E+03	n >S					5.0E-02
MCPA (4-chloro-2-methylphenoxy) acetic acid)	94-74-6	1.2E-02	n	1.2E+00	n					3.7E-02	n	3.7E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	85-19-0/ 93-6	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	93-65-2	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0	2.4E-02	n	2.4E+00	n					7.3E-02	n	7.3E+00	n					
Mercuric chloride (pH = 4.9)	7487-94-7	2.0E-03	m	2.0E-01	m >S	7.3E+00	n >S	9.4E-01	n >S	2.0E-03	m	2.0E-01	m >S	1.0E+01	n >S	1.3E+00	n >S	
Mercuric chloride (pH = 6.8)	7487-94-7	2.0E-03	m	2.0E-01	m >S	7.3E+00	n >S	9.4E-01	n >S	2.0E-03	m	2.0E-01	m >S	1.0E+01	n >S	1.3E+00	n >S	
Mercury (pH = 4.9)	7439-97-6	2.0E-03	m	2.0E-01	m >S	7.3E+00	n >S	9.4E-01	n >S	2.0E-03	m	2.0E-01	m >S	1.0E+01	n >S	1.3E+00	n >S	
Merphos	150-50-5	7.3E-04	n	7.3E-02	n >S					2.2E-03	n	2.2E-01	n >S					
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	2.4E-01	n	2.4E+01	n					7.3E-01	n	7.3E+01	n					
Methacrylonitrile	126-98-7	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Methanol	67-56-1	1.2E+01	n	1.2E+03	n					3.7E+01	n	3.7E+03	n					
Methapyrilene	91-80-5	1.9E-04	c	1.9E-02	c					4.3E-04	c	4.3E-02	c					
Methomyl	16752-77-5	6.1E-01	n	6.1E+01	n					1.8E+00	n	1.8E+02	n					
Methoxychlor	72-43-5	4.0E-02	m	4.0E+00	m >S					4.0E-02	m	4.0E+00	m >S					
Methoxyethanol, 2-	109-86-4	1.2E-01	n	1.2E+01	n	8.1E+01	n >S	1.1E+01	n	3.7E-01	n	3.7E+01	n >S	1.1E+02	n >S	1.5E+01	n	
Methyl acetate (acetic acid, methyl ester)	79-20-9	2.4E+01	n	2.4E+03	n					7.3E+01	n	7.3E+03	n					
Methyl acrylate	96-33-3	4.9E-02	n	4.9E+00	n					1.5E-01	n	1.5E+01	n					
Methyl amyl ketone (2-heptanone)	110-43-0	1.2E+00	n	1.2E+02	n	1.0E+06	n >S	1.4E+05	n >S	3.7E+00	n	3.7E+02	n	1.0E+06	n >S	2.0E+05	n >S	
Methyl chrysene, 1-	3351-28-8	1.3E-01	c >S	1.3E+01	c >S	8.0E+05	c >S	1.0E+05	c >S	2.8E-01	c >S	2.8E+01	c >S	1.0E+06	c >S	1.7E+05	c >S	
Methyl chrysene, 2-	3351-32-4	1.3E-01	c >S	1.3E+01	c >S	8.0E+05	c >S	1.0E+05	c >S	2.8E-01	c >S	2.8E+01	c >S	1.0E+06	c >S	1.7E+05	c >S	
Methyl chrysene, 6-	1705-85-7	1.3E-02	c >S	1.3E+00	c >S	8.0E+04	c >S	1.0E+04	c >S	2.8E-02	c >S	2.8E+00	c >S	1.3E+05	c >S	1.7E+04	c >S	
Methyl cyclohexane	108-87-2	1.2E+02	n >S	1.2E+04	n >S	1.4E+03	n >S	1.8E+02	n >S	3.7E+02	n >S	3.7E+04	n >S	2.0E+03	n >S	2.6E+02	n >S	
Methyl ethyl ketone (2-butanone)	78-93-3	1.5E+01	n	1.5E+03	n	1.0E+06	n >S	6.2E+05	n >S	4.4E+01	n	4.4E+03	n	1.0E+06	n >S	8.7E+05	n >S	
Methyl iodide (iodomethane)	74-88-4	3.4E-02	n	3.4E+00	n					1.0E-01	n	1.0E+01	n					
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	2.0E+00	n	2.0E+02	n	6.7E+05	n >S	8.7E+04	n >S	5.8E+00	n	5.8E+02	n	9.4E+05	n >S	1.2E+05	n >S	
Methyl mercury	22967-92-6	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Methyl methacrylate	80-62-6	3.4E+01	n	3.4E+03	n	7.9E+04	n >S	1.0E+04	n	1.0E+02	n	1.0E+04	n	1.1E+05	n >S	1.4E+04	n	
Methyl methanesulfonate	66-27-3	9.2E-03	c	9.2E-01	c	1.7E+04	c	2.2E+03	c	2.1E-02	c	2.1E+00	c	2.8E+04	c	3.7E+03	c	
Methyl parathion	298-00-0	6.1E-03	n	6.1E-01	n					1.8E-02	n	1.8E+00	n					
Methyl-1-butene, 2-	563-46-2	1.5E+00	n	1.5E+02	n >S	7.8E+03	n >S	1.0E+03	n >S	4.4E+00	n	4.4E+02	n >S	1.1E+04	n >S	1.4E+03	n >S	
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	9.8E-01	n	9.8E+01	n					2.9E+00	n	2.9E+02	n					
Methyl-2-butene, 2-	513-35-9	1.5E+00	n	1.5E+02	n	1.5E+04	n >S	1.9E+03	n >S	4.4E+00	n	4.4E+02	n >S	2.1E+04	n >S	2.7E+03	n >S	
Methyl-2-pentenal, 2-	623-36-9	4.8E-04	c	4.8E-02	c					1.1E-03	c	1.1E-01	c					
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	1.0E-01	c	1.0E+01	c					2.3E-01	c	2.3E+01	c					
Methylcholanthrene, 3-	56-49-5	4.1E-05	c	4.1E-03	c >S	4.1E+02	c >S	5.4E+01	c >S	9.3E-05	c	9.3E-03	c >S	7.0E+02	c >S	9.0E+01	c >S	
Methylene bromide (dibromomethane)	74-95-3	1.2E-01	c	1.2E+01	c	2.4E+02	n	3.1E+01	n	2.7E-01	c	2.7E+01	c	3.3E+02	n	4.3E+01	n	
Methylene chloride (dichloromethane)	75-09-2	5.0E-03	m	5.0E-01	m	2.1E+04	c >S	2.8E+03	c	5.0E-03	m	5.0E-01	m	3.6E+04	c >S	4.6E+03	c	
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	9.1E-03	c	9.1E-01	c	2.0E+04	c >S	2.6E+03	c >S	2.0E-02	c	2.0E+00	c	3.3E+04	c >S	4.3E+03	c >S	
Methylmecury hydroxide	1184-57-2	2.4E-03	n	2.4E-01	n					7.3E-03	n	7.3E-01	n					
Methylnaphthalene, 1-	90-12-0	3.1E-02	c	3.1E+00	c					7.0E-02	c	7.0E+00	c					
Methylnaphthalene, 2-	91-57-6	9.8E-02	n	9.8E+00	n					2.9E-01	n	2.9E+01	n >S					
Methylpyrrolidone, N-	872-50-4	4.9E-01	n	4.9E+01	n					1.5E+00	n	1.5E+02	n					
Methylstyrene, alpha-	98-83-9	2.0E-01	n	2.0E+01	n	6.6E+02	n >S	8.5E+01	n >S	6.1E-01	n	6.1E+01	n	9.2E+02	n >S	1.2E+02	n >S	
Methyltetrahydrofuran, 2-	96-47-9	1.2E-01	c	1.2E+01	c	1.8E+03	c	2.3E+02	c	2.7E-01	c	2.7E+01	c	3.1E+03	c	3.9E+02	c	
Methyltetrahydropyran, 2-	10141-72-7	1.2E-01	c	1.2E+01	c	2.1E+03	c	2.7E+02	c	2.7E-01	c	2.7E+01	c	3.6E+03	c	4.6E+02	c	
Metolachlor	51218-45-2	3.7E+00	n	3.7E+02	n					1.1E+01	n	1.1E+03	n >S					
Metribuzin	21087-64-9	6.1E-01	n	6.1E+01	n					1.8E+00	n	1.8E+02	n					
Mirex	2385-85-5	4.9E-03	n >S	4.9E-01	n >S					1.5E-02	n >S	1.5E+00	n >S					
Molinate	2212-67-1	4.9E-02	n	4.9E+00	n					1.5E-01	n	1.5E+01	n					
Molybdenum	7439-98-7	1.2E-01	n >S	1.2E+01	n >S					3.7E-01	n >S	3.7E+01	n >S					
Monocrotophos	2157-98-4	1.5E-02	n	1.5E+00	n					4.4E-02	n	4.4E+00	n					
Morpholine	110-91-8	1.2E+04	n	1.2E+06	n					3.7E+04	n	3.7E+06	n					
Morpholine, N-butyl-	1005-67-0	5.6E-02	n	5.6E+00	n					1.7E-01	n	1.7E+01	n					
MTBE ⁷ (methyl tert-butyl ether)	1634-04-4	2.4E-01	n	2.4E+01	n	4.0E+03	c	5.2E+02	c	7.3E-01	n	7.3E+01	n	6.8E+03	c	8.8E+02	c	1.5E-02
Naled	300-76-5	4.9E-02	n	4.9E+00	n >S					1.5E-01	n	1.5E+01	n >S					
Naphthalene	91-20-3	4.9E-01	n	4.9E+01	n >S	3.2E+02	n >S	4.1E+01	n >S	1.5E+00	n	1.5E+02	n >S	4.4E+02	n >S	5.7E+01	n >S	
Naphthoquinone, 1,4-	130-15-4	1.7E-01	n	1.7E+01	n					5.1E-01	n	5.1E+01	n					
Naphthylamine, 1-	134-32-7	4.9E-01	n	4.9E+01	n					1.5E+00	n	1.5E+02	n					
Naphthylamine, 2-	91-59-8	5.1E-04	c	5.1E-02	c					1.1E-03	c	1.1E-01	c					
Napropamide	15299-99-7	2.4E+00	n	2.4E+02	n >S					7.3E+00	n	7.3E+02	n >S					
Neopentyl glycol	126-30-7	7.3E+00	n	7.3E+02	n					2.2E+01	n	2.2E+03	n					
Nickel and compounds	7440-02-0	4.9E-01	n >S	4.9E+01	n >S					1.5E+00	n >S	1.5E+02	n >S					</

		Residential						Commercial/Industrial						Secondary MCL ² (mg/L)												
Chemical of Concern	CAS	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-√} 30 acre source area (mg/L)	note ⁴	^{GW} GW _{Ing} ² (mg/L)	note ⁴	^{GW} GW _{Class 3} ³ (mg/L)	note ⁴	^{Air} GW _{Inh-V} 0.5 acre source area (mg/L)	note ⁴	^{Air} GW _{Inh-√} 30 acre source area (mg/L)	note ⁴									
Nitrosopiperidine, N-	100-75-4	4.0E-03	c	mql		9.7E-03	c	1.6E+02	c	2.1E+01	c			2.2E-04	c	2.2E-02	c	2.8E+02	c	3.6E+01	c					
Nitrosopyrrolidine, n-	930-55-2	4.3E-04	c			4.3E-02	c	9.6E+02	c	1.2E+02	c			9.7E-04	c	9.7E-02	c	1.6E+03	c	2.1E+02	c					
Nitrotoluene, m-	99-08-1	2.4E-01	n			2.4E+01	n							7.3E-01	n	7.3E+01	n									
Nitrotoluene, o-	88-72-2	4.1E-03	c			4.1E-01	c							9.3E-03	c	9.3E-01	c									
Nitrotoluene, p-	99-99-0	5.7E-02	c			5.7E+00	c							1.3E-01	c	1.3E+01	c									
Nonachlor, cis-	5103-73-1	2.6E-03	c			2.6E-01	c	>S	7.7E+02	c	>S	9.9E+01	c	>S	5.8E-03	c	5.8E-01	c	>S	1.3E+03	c	>S	1.7E+02	c	>S	
Nonachlor, trans-	39765-80-5	2.6E-03	c			2.6E-01	c	>S	7.7E+02	c	>S	9.9E+01	c	>S	5.8E-03	c	5.8E-01	c	>S	1.3E+03	c	>S	1.7E+02	c	>S	
Nonanal	124-19-6	4.9E+00	n			4.9E+02	n	>S						1.5E+01	n	1.5E+03	n	>S								
Nonene, 1-n	124-11-8	2.4E+00	n	>S		2.4E+02	n	>S						7.3E+00	n	>S	7.3E+02	n	>S							
Nonylphenol	104-40-5	2.4E+00	n	>S		2.4E+02	n	>S						7.3E+00	n	>S	7.3E+02	n	>S							
Nonylphenol	25154-52-3	2.4E+00	n	>S		2.4E+02	n	>S						7.3E+00	n	>S	7.3E+02	n	>S							
Nonylphenol	84852-15-3	2.4E+00	n	>S		2.4E+02	n	>S						7.3E+00	n	>S	7.3E+02	n	>S							
Nonylphenol ethoxylate	9016-45-9	2.4E+00	n	>S		2.4E+02	n	>S						7.3E+00	n	>S	7.3E+02	n	>S							
Octamethylpyrophosphoramide	152-16-9	4.9E-02	n			4.9E+00	n							1.5E-01	n	1.5E+01	n									
Octanone	106-68-3	1.5E+00	n			1.5E+02	n		1.0E+06	n	>S	6.2E+05	n	>S	4.4E+00	n	4.4E+02	n		1.0E+06	n	>S	8.7E+05	n	>S	
Oxamyl	23135-22-0	2.0E-01	m			2.0E+01	m							2.0E-01	m	2.0E+01	m									
Oxychlordanes	27304-13-8	2.6E-03	c			2.6E-01	c	>S	7.7E+02	c	>S	9.9E+01	c	>S	5.8E-03	c	5.8E-01	c	>S	1.3E+03	c	>S	1.7E+02	c	>S	
Paraquat	1910-42-5	1.1E-01	n			1.1E+01	n							3.3E-01	n	3.3E+01	n									
Parathion (ethyl parathion)	56-38-2	1.5E-01	n			1.5E+01	n	>S						4.4E-01	n	4.4E+01	n	>S								
Pebulate	1114-71-2	1.2E+00	n			1.2E+02	n	>S						3.7E+00	n	3.7E+02	n	>S								
Pendimethalin	40487-42-1	9.8E-01	n	>S		9.8E+01	n	>S						2.9E+00	n	>S	2.9E+02	n	>S							
Pentachlorobenzene	608-93-5	2.0E-02	n			2.0E+00	n	>S						5.8E-02	n	5.8E+00	n	>S								
Pentachloroethane	76-01-7	1.0E-02	c			1.0E+00	c		3.0E+02	c		3.8E+01	c		2.3E-02	c	2.3E+00	c		5.0E+02	c		6.4E+01	c		
Pentachloronitrobenzene	82-68-8	3.5E-03	c			3.5E-01	c	>S						7.9E-03	c	7.9E-01	c	>S								
Pentachlorophenol	87-86-5	1.0E-03	m			1.0E-01	m							1.0E-03	m	1.0E-01	m									
Pentadiene, 1,3-cis-	1574-41-0	1.5E+00	n			1.5E+02	n		4.3E+04	n	>S	5.6E+03	n	>S	4.4E+00	n	4.4E+02	n		6.0E+04	n	>S	7.8E+03	n	>S	
Pentadiene, 1,3-trans-	2004-70-8	1.5E+00	n			1.5E+02	n		7.6E+04	n	>S	9.8E+03	n	>S	4.4E+00	n	4.4E+02	n		1.1E+05	n	>S	1.4E+04	n	>S	
Pentaerythritol tetranitrate (PETN)	78-11-5	4.9E-02	n			4.9E+00	n							1.5E-01	n	1.5E+01	n									
Pentane	109-66-0	1.7E+01	n			1.7E+03	n	>S	3.4E+02	n	>S	4.4E+01	n	>S	5.1E+01	n	>S	5.1E+03	n	>S	4.8E+02	n	>S	6.2E+01	n	>S
Pentane, 2-methyl-	107-83-5	1.5E+00	n			1.5E+02	n	>S	1.7E+03	n	>S	2.3E+02	n	>S	4.4E+00	n	4.4E+02	n	>S	2.4E+03	n	>S	3.2E+02	n	>S	
Pentane, 3-methyl-	96-14-0	1.5E+00	n			1.5E+02	n	>S	2.2E+03	n	>S	2.9E+02	n	>S	4.4E+00	n	4.4E+02	n	>S	3.1E+03	n	>S	4.0E+02	n	>S	
Pentanediol, 1,5-	111-29-5	1.2E+02	n			1.2E+04	n		1.0E+06	n	>S	1.0E+06	n	>S	3.7E+02	n	3.7E+04	n		1.0E+06	n	>S	1.0E+06	n	>S	
Pentanol, 1-	71-41-0	8.1E-01	n			8.1E+01	n							2.4E+00	n	2.4E+02	n									
Pentanol, 4-methyl-2-	108-11-2	6.4E-01	n			6.4E+01	n							1.9E+00	n	1.9E+02	n									
Pentanone, 2-	107-87-9	9.8E-01	n			9.8E+01	n							2.9E+00	n	2.9E+02	n									
Pentene, 2-	109-68-2	1.5E+00	n			1.5E+02	n		1.4E+04	n	>S	1.8E+03	n	>S	4.4E+00	n	4.4E+02	n	>S	2.0E+04	n	>S	2.5E+03	n	>S	
Pentyne, 1-	627-19-0	1.5E+00	n			1.5E+02	n		7.2E+04	n	>S	9.3E+03	n	>S	4.4E+00	n	4.4E+02	n		1.0E+05	n	>S	1.3E+04	n	>S	
Perchlorate	14797-73-0	1.7E-02	n			1.7E+00	n							5.1E-02	n	5.1E+00	n									
Perylene	198-55-0	4.9E-01	n	>S		4.9E+01	n	>S						1.5E+00	n	>S	1.5E+02	n	>S							
Phenacetin	62-44-2	4.1E-01	c			4.1E+01	c		1.0E+06	c	>S	1.5E+05	c	>S	9.3E-01	c	9.3E+01	c		1.0E+06	c	>S	2.5E+05	c	>S	
Phenanthrene	85-01-8	7.3E-01	n			7.3E+01	n	>S						2.2E+00	n	>S	2.2E+02	n	>S							
Phenanthridine	229-87-8	7.3E-02	n			7.3E+00	n							2.2E-01	n	2.2E+01	n									
Phenol	108-95-2	7.3E+00	n			7.3E+02	n							2.2E+01	n	2.2E+03	n									
Phenol, 4-tert-butyl-	98-54-4	1.2E-01	n			1.2E+01	n							3.7E-01	n	3.7E+01	n									
Phenothiazine	92-84-2	1.2E-02	n			1.2E+00	n	>S						3.7E-02	n	>S	3.7E+00	n	>S							
Phenyl mercuric acetate	62-38-4	2.0E-03	n			2.0E-01	n							5.8E-03	n	5.8E-01	n									
Phenylene diamine, m-	108-45-2	1.5E-01	n			1.5E+01	n							4.4E-01	n	4.4E+01	n									
Phenylene diamine, p-	106-50-3	4.6E+00	n			4.6E+02	n							1.4E+01	n	1.4E+03	n									
Phorate	298-02-2	4.9E-03	n			4.9E-01	n							1.5E-02	n	1.5E+00	n									
Phosalone	2310-17-0	4.9E-02	n			4.9E+00	n							1.5E-01	n	1.5E+01	n									
Phosdrin (mevinphos)	7786-34-7	6.1E-04	n			6.1E-02	n							1.8E-03	n	1.8E-01	n									
Phosmet	732-11-6	4.9E-01	n			4.9E+01	n							1.5E+00	n	1.5E+02	n									
Phosphine	7803-51-2	7.3E-03	n			7.3E-01	n		2.9E-03	n	<GV	3.7E-04	n	<GW Ing	2.2E-02	n	2.2E+00	n		4.0E-03	n	<GW l	5.2E-04	n	<GW Ing	
Phosphorotriethioic acid, S,S,S-tributyl ester	78-48-8	1.1E-02	c	>S		1.1E+00	c	>S						2.4E-02	c	>S	2.4E+00	c	>S							
Phosphorus, total*	7723-14-0																									
Phosphorus, white	7723-14-0	4.9E-04	n			4.9E-02	n							1.5E-03	n	1.5E-01	n									
Phthalic anhydride	85-44-9	4.9E+01	n			4.9E+03	n		1.0E+06	n	>S	4.0E+05	n	>S	1.5E+02	n	1.5E+04	n	>S	1.0E+06	n	>S	5.6E+05	n	>S	
Picloram	1918-02-1	5.0E-01	m			5.0E+01	m							5.0E-01	m	5.0E+01	m									
Picoline, 2- (2-methylpyridine)	109-06-8	2.2E-01	n			2.2E+01	n							6.6E-01	n	6.6E+01	n									
Polybrominated biphenyls (PBBs)	67774-32-7	1.0E-04	c			1.0E-02	c							2.3E-04	c	2.3E-02	c	>S								
Polychlorinated biphenyls (PCBs)	1336-36-3	5.0E-04	m			5.0E-02	m		2.9E+00	c	>S	3.8E-01	c	>S	5.0E-04	m	5.0E-02	m		4.9E+00	c	>S	6.4E-01	c	>S	
Potassium*	7440-09-27																									
Primene	68955-53-3	1.5E-01	n			1.5E+01	n							4.4E-01	n	4.4E+01	n									
Prometon (pramitol)	1610-18-0	3.7E-01	n			3.7E+01	n							1.1E+00	n	1.1E+02	n	>S								
Pronamide	23950-58-5	1.8E+00	n			1.8E+02	n	>S						5.5E+00	n	5.5E+02	n	>S								
Propanal (propionaldehyde)	123-38-6	2.0E-01	n			2.0E+01	n		1.6E+03	n		2.1E+02	n		5.8E-01	n	5.8E+01	n		2.3E+03	n		3.0E+02	n		
Propane, 1-bromo-	106-94-5	8.8E																								

		Residential								Commercial/Industrial								Secondary MCL ⁵ (mg/L)
Chemical of Concern	CAS	² GW _{Ing} (mg/L)	² note ⁴	³ GW _{Class} (mg/L)	³ note ⁴	^{AIr} GW _{Inh-V} 0.5 acre source area (mg/L)	⁴ note ⁴	^{AIr} GW _{Inh- v} 30 acre source area (mg/L)	⁴ note ⁴	² GW _{Ing} (mg/L)	⁴ note ⁴	³ GW _{Class} (mg/L)	³ note ⁴	^{AIr} GW _{Inh-V} 0.5 acre source area (mg/L)	⁴ note ⁴	^{AIr} GW _{Inh- v} 30 acre source area (mg/L)	⁴ note ⁴	
Styrene	100-42-5	1.0E-01	m	1.0E+01	m	1.5E+04	n >S	2.0E+03	n >S	1.0E-01	m	1.0E+01	m	2.1E+04	n >S	2.7E+03	n >S	
Sulfate*	14808-79-8																	
Sulfide*	18496-25-8																	
Sulfolane	126-33-0	3.2E-01	n	3.2E+01	n	1.3E+05	n >S	1.7E+04	n >S	9.5E-01	n	9.5E+01	n	1.8E+05	n >S	2.3E+04	n >S	
Sulfur*	7704-34-9																	
Sulprofos (Bolstar)	35400-43-2	7.3E-02	n >S	7.3E+00	n >S					2.2E-01	n >S	2.2E+01	n >S					
Tebuconazole	107534-96-3	7.3E-01	n	7.3E+01	n >S					2.2E+00	n	2.2E+02	n >S					
Tebuthiuron	34014-18-1	1.7E+00	n	1.7E+02	n					5.1E+00	n	5.1E+02	n					
Terbufos	13071-79-9	6.1E-04	n	6.1E-02	n					1.8E-03	n	1.8E-01	n					
Tert-amyl ethyl ether (TAEE)	919-94-8	9.8E-01	n	9.8E+01	n					2.9E+00	n	2.9E+02	n					
Tert-amyl-methyl ether (TAME)	994-05-8	9.8E-01	n	9.8E+01	n					2.9E+00	n	2.9E+02	n					
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	2.2E+00	n	2.2E+02	n					6.6E+00	n	6.6E+02	n					
Tetrachlorobenzene, 1,2,3,4-	634-66-2	7.3E-03	n	7.3E-01	n					2.2E-02	n	2.2E+00	n					
Tetrachlorobenzene, 1,2,3,5-	634-90-2	7.3E-03	n	7.3E-01	n					2.2E-02	n	2.2E+00	n					
Tetrachlorobenzene, 1,2,4,5-	95-94-3	7.3E-03	n	7.3E-01	n >S					2.2E-02	n	2.2E+00	n >S					
Tetrachloroethane, 1,1,1,2-	630-20-6	3.5E-02	c	3.5E+00	c	1.1E+02	c	1.4E+01	c	7.9E-02	c	7.9E+00	c	1.9E+02	c	2.4E+01	c	
Tetrachloroethane, 1,1,2,2-	79-34-5	4.6E-03	c	4.6E-01	c					1.0E-02	c	1.0E+00	c					
Tetrachloroethylene	127-18-4	5.0E-03	m	5.0E-01	m	5.0E+02	c >S	6.4E+01	c	5.0E-03	m	5.0E-01	m	8.4E+02	c >S	1.1E+02	c	
Tetrachlorophenol, 2,3,4,5-	4901-51-3	7.3E-01	n	7.3E+01	n					2.2E+00	n	2.2E+02	n					
Tetrachlorophenol, 2,3,4,6-	58-90-2	7.3E-01	n	7.3E+01	n					2.2E+00	n	2.2E+02	n >S					
Tetrachlorophenol, 2,3,5,6-	935-95-5	7.3E-01	n	7.3E+01	n >S					2.2E+00	n >S	2.2E+02	n >S					
Tetrachlorvinphos (Stirophos)	22248-79-9	1.0E+00	n	1.0E+02	n >S					3.1E+00	n	3.1E+02	n >S					
Tetradifon	116-29-0	4.9E-01	n	4.9E+01	n >S					1.5E+00	n >S	1.5E+02	n >S					
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	1.2E-02	n	1.2E+00	n					3.7E-02	n	3.7E+00	n					
Tetraethyl lead	78-00-2	2.4E-06	n	2.4E-04	n					7.3E-06	n	7.3E-04	n					
Tetraethyl pyrophosphate (TEPP)	107-49-3	2.7E-04	n	2.7E-02	n					8.0E-04	n	8.0E-02	n					
Tetraethylene glycol	112-60-7	8.1E+00	n	8.1E+02	n					2.4E+01	n	2.4E+03	n					
Tetrahydrofuran	109-99-9	1.2E-01	c	1.2E+01	c	2.2E+03	c	2.9E+02	c	2.7E-01	c	2.7E+01	c	3.7E+03	c	4.8E+02	c	
Tetrahydropyran	142-68-7	1.2E-01	c	1.2E+01	c	2.6E+03	c	3.4E+02	c	2.7E-01	c	2.7E+01	c	4.4E+03	c	5.7E+02	c	
Tetraoxadodecane, 2,5,8,11-	112-49-2	6.1E-01	n	6.1E+01	n					1.8E+00	n	1.8E+02	n					
Thallium and compounds (as thallium chloride)	7791-12-0	2.0E-03	m	2.0E-01	m					2.0E-03	m	2.0E-01	m					
Thiofanox	39196-18-4	7.3E-03	n	7.3E-01	n					2.2E-02	n	2.2E+00	n					
Thionazin	297-97-2	1.7E-03	n	1.7E-01	n					5.1E-03	n	5.1E-01	n					
Thiophanate-methyl	23564-05-8	2.0E+00	n	2.0E+02	n >S					5.8E+00	n >S	5.8E+02	n >S					
Thiram	137-26-8	1.2E-01	n	1.2E+01	n					3.7E-01	n	3.7E+01	n >S					
Tin	7440-31-5	1.5E+01	n >S	1.5E+03	n >S					4.4E+01	n >S	4.4E+03	n >S					
Titanium	7440-32-6	1.2E+02	n >S	1.2E+04	n >S					3.7E+02	n >S	3.7E+04	n >S					
Toluene	108-88-3	1.0E+00	m	1.0E+02	m	6.4E+04	n >S	8.2E+03	n >S	1.0E+00	m	1.0E+02	m	8.9E+04	n >S	1.2E+04	n >S	
Toluene diisocyanate, 2,4/2,6-	26471-62-5					1.8E+03	n	2.4E+02	n					2.6E+03	n	3.3E+02	n	
Toluenediamine, 2,4-	95-80-7	2.9E-04	c	2.9E-02	c					6.4E-04	c	6.4E-02	c					
Toluenediamine, 2,6-	823-40-5	7.3E-01	n	7.3E+01	n					2.2E+00	n	2.2E+02	n					
Toluidine, o-	95-53-4	3.8E-03	c	3.8E-01	c	2.6E+03	c	3.4E+02	c	8.5E-03	c	8.5E-01	c	4.4E+03	c	5.7E+02	c	
Toluidine, p-	106-49-0	4.8E-03	c	4.8E-01	c					1.1E-02	c	1.1E+00	c					
Toxaphene	8001-35-2	3.0E-03	m	3.0E-01	m	1.8E+03	c >S	2.3E+02	c >S	3.0E-03	m	3.0E-01	m	3.0E+03	c >S	3.9E+02	c >S	
TPH, TX1005, C6-C12	TPH-1005-1	9.8E-01	n	9.8E+01	n >S	1.8E+03	n >S	2.3E+02	n >S	2.9E+00	n	2.9E+02	n >S	2.5E+03	n >S	3.2E+02	n >S	
TPH, TX1005, >C12-C28	TPH-1005-2	9.8E-01	n	9.8E+01	n >S	7.5E+03	n >S	9.7E+02	n >S	2.9E+00	n	2.9E+02	n >S	1.0E+04	n >S	1.4E+03	n >S	
TPH, TX1005, >C12-C35	TPH-1005-3	9.8E-01	n	9.8E+01	n >S	7.5E+03	n >S	9.7E+02	n >S	2.9E+00	n	2.9E+02	n >S	1.0E+04	n >S	1.4E+03	n >S	
TPH, TX1005, >C28-C35	TPH-1005-4	9.8E-01	n	9.8E+01	n >S	7.5E+03	n >S	9.7E+02	n >S	2.9E+00	n	2.9E+02	n >S	1.0E+04	n >S	1.4E+03	n >S	
TP Silvex, 2,4,5-	93-72-1	5.0E-02	m	5.0E+00	m					5.0E-02	m	5.0E+00	m					
Triademenol	55219-65-3	7.3E-01	n	7.3E+01	n					2.2E+00	n	2.2E+02	n >S					
Triallate	2303-17-5	3.2E-01	n	3.2E+01	n >S					9.5E-01	n	9.5E+01	n >S					
Triaminotrinitrobenzene (TATB)	3058-38-6	3.0E-02	c	3.0E+00	c					6.8E-02	c	6.8E+00	c					
Tributyltin oxide	56-35-9	7.3E-03	n	7.3E-01	n					2.2E-02	n	2.2E+00	n					
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.3E+02	n >S	7.3E+04	n >S	9.2E+03	n >S	1.2E+03	n >S	2.2E+03	n >S	2.2E+05	n >S	1.3E+04	n >S	1.7E+03	n >S	
Trichlorobenzene, 1,2,3-	87-61-6	7.3E-02	n	7.3E+00	n	1.3E+02	n >S	1.7E+01	n >S	2.2E-01	n	2.2E+01	n >S	1.9E+02	n >S	2.4E+01	n >S	
Trichlorobenzene, 1,2,4-	120-82-1	7.0E-02	m	7.0E+00	m	1.6E+02	n >S	2.0E+01	n	7.0E-02	m	7.0E+00	m	2.2E+02	n >S	2.8E+01	n	
Trichlorobenzene, 1,3,5-	108-70-3	7.3E-02	n	7.3E+00	n	1.0E+02	n >S	1.3E+01	n	2.2E-01	n	2.2E+01	n >S	1.4E+02	n >S	1.8E+01	n >S	
Trichloroethane, 1,1,1-	71-55-6	2.0E-01	m	2.0E+01	m	4.1E+04	n >S	5.2E+03	n >S	2.0E-01	m	2.0E+01	m	5.7E+04	n >S	7.3E+03	n >S	
Trichloroethane, 1,1,2-	79-00-5	5.0E-03	m	5.0E-01	m	8.0E+01	c	1.0E+01	c	5.0E-03	m	5.0E-01	m	1.3E+02	c	1.7E+01	c	
Trichloroethylene	79-01-6	5.0E-03	m	5.0E-01	m	2.4E+01	n	3.1E+00	n	5.0E-03	m	5.0E-01	m	3.3E+01	n	4.3E+00	n	
Trichlorofluoromethane	75-69-4	7.3E+00	n	7.3E+02	n					2.2E+01	n	2.2E+03	n >S					
Trichloronate	327-98-0	7.3E-02	n	7.3E+00	n >S					2.2E-01	n	2.2E+01	n >S					
Trichlorophenol, 2,3,4-	15950-66-0	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Trichlorophenol, 2,3,5-	933-78-8	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Trichlorophenol, 2,3,6-	933-75-5	2.4E+00	n	2.4E+02	n >S					7.3E+00	n	7.3E+02	n >S					
Trichlorophenol, 2,4,5-	95-95-4	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Trichlorophenol, 2,4,6-	88-06-2	2.4E-02	n	2.4E+00	n	4.9E+04	c >S	6.4E+03	c >S	7.3E-02	n	7.3E+00	n	8.3E+04	c >S	1.1E+04	c >S	
Trichlorophenol, 3,4,5-	609-19-8	2.4E+00	n	2.4E+02	n					7.3E+00	n	7.3E+02	n					
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	2.4E-01	n	2.4E+01	n					7.3E-01	n	7.3E+01	n					
Trichloropropane, 1,1,2-	598-77-6	1.2E-01	n	1.2E+01	n	2.7E+00	n	3.5E-01	n	3.7E-01	n	3.7E+01	n	3.8E+00	n	4.9E-01	n	
Trichloropropane, 1,2,3-	96-18-4	3.0E-05	c	3.0E-03	c	3.2E+01	n	4.2E+00	n	6.8E-05	c	6.8E-03	c	4.5E+01	n	5.8E+00	n	
Triethanolamine	102-71-6	4.9E+00	n	4.9E+02	n					1.5E+01	n	1.5E+03	n					
Triethylamine	121-44-8					6.3E+02	n	8.1E+01	n					8.8E+02	n	1.1E+02	n	
Triethylene glycol	112-27-6	7.3E+01	n	7.3E+03	n					2.2E+02	n	2.2E+04	n					
Triethylphosphorothioate, O, O, O-	126-68-1	2.0E-04	n	2.0E-02	n					6.1E-04	n	6.1E-02	n					
Trifluralin	1582-09-8	1.2E-01	c	1.2E+01	c >S					2.7E-01	c	2.7E+01	c >S					
Trimethylamine	75-50-3					1.7E+03	n	2.2E+02	n					2.3E+03	n	3.0E+02	n	
Trimethylbenzene, 1,2,3-	526-73-8	1.2E+00	n	1.2E+02	n >S	1.9E+02	n >S	2.4E+01	n	3.7E+00	n	3.7E+02	n >S					

		Residential								Commercial/Industrial									
Chemical of Concern	CAS	GW ² GW _{Ing} (mg/L)		GW ³ GW _{Class 3} (mg/L)		Air ^{GW} GW _{Inh-V} 0.5 acre source area (mg/L)		Air ^{GW} GW _{Inh-V} 30 acre source area (mg/L)		GW ² GW _{Ing} (mg/L)		GW ³ GW _{Class 3} (mg/L)		Air ^{GW} GW _{Inh-V} 0.5 acre source area (mg/L)		Air ^{GW} GW _{Inh-V} 30 acre source area (mg/L)		Secondary MCL ⁵ (mg/L)	
		note ⁴		note ⁴		note ⁴		note ⁴		note ⁴		note ⁴		note ⁴		note ⁴			
>6-8 C aliphatics (TPH)	NA	1.5E+00	n ---	1.5E+02	n > S	7.1E+01	n > S	9.1E+00	n ---	4.4E+00	n ---	4.4E+02	n > S	9.9E+01	n > S	1.3E+01	n < GW Ing	---	
>8-10 C aliphatics (TPH)	NA	2.4E+00	n > S	2.4E+02	n > S	3.3E+01	n > S	4.3E+00	n > S	7.3E+00	n > S	7.3E+02	n > S	4.6E+01	n > S	6.0E+00	n > S	---	
>10-12 C aliphatics (TPH)	NA	2.4E+00	n > S	2.4E+02	n > S	2.2E+01	n > S	2.8E+00	n > S	7.3E+00	n > S	7.3E+02	n > S	3.1E+01	n > S	4.0E+00	n > S	---	
>12-16 C aliphatics (TPH)	NA	2.4E+00	n > S	2.4E+02	n > S	5.1E+00	n > S	6.6E-01	n < GW Ing	7.3E+00	n > S	7.3E+02	n > S	7.1E+00	n > S	9.2E-01	n < GW Ing	---	
>16-21 C aliphatics (TPH)	NA	4.9E+01	n > S	4.9E+03	n > S	---	---	---	---	1.5E+02	n > S	1.5E+04	n > S	---	---	---	---	---	
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	3.9E+01	n > S	3.9E+03	n > S	---	---	---	---	1.2E+02	n > S	1.2E+04	n > S	---	---	---	---	---	
>7-8 C aromatics (TPH)	NA	2.4E+00	n ---	2.4E+02	n ---	2.9E+04	n > S	3.8E+03	n > S	7.3E+00	n ---	7.3E+02	n > S	4.1E+04	n > S	5.3E+03	n > S	---	
>8-10 C aromatics (TPH)	NA	9.8E-01	n ---	9.8E+01	n > S	1.8E+03	n > S	2.3E+02	n > S	2.9E+00	n ---	2.9E+02	n > S	2.5E+03	n > S	3.2E+02	n > S	---	
>10-12 C aromatics (TPH)	NA	9.8E-01	n ---	9.8E+01	n > S	4.3E+03	n > S	5.5E+02	n > S	2.9E+00	n ---	2.9E+02	n > S	6.0E+03	n > S	7.7E+02	n > S	---	
>12-16 C aromatics (TPH)	NA	9.8E-01	n ---	9.8E+01	n > S	7.5E+03	n > S	9.7E+02	n > S	2.9E+00	n ---	2.9E+02	n > S	1.0E+04	n > S	1.4E+03	n > S	---	
>16-21 C aromatics (TPH)	NA	7.3E-01	n ---	7.3E+01	n > S	---	---	---	---	2.2E+00	n > S	2.2E+02	n > S	---	---	---	---	---	
>21-35 C aromatics (TPH)	NA	7.3E-01	n > S	7.3E+01	n > S	---	---	---	---	2.2E+00	n > S	2.2E+02	n > S	---	---	---	---	---	
Transformer mineral oil	NA	1.3E+01	n > S	1.3E+03	n > S	5.6E+01	n ---	7.3E+00	n ---	4.0E+01	n > S	4.0E+03	n > S	7.9E+01	n ---	1.0E+01	n ---	---	
Footnotes																			
In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cumulative carcinogenic risk level and hazard index criteria specified in §350.72(c). For COCs which exhibit both carcinogenic and noncarcinogenic characteristics, they shall be evaluated as both a carcinogen and noncarcinogen when determining whether the PCL established for an individual COC for each of the individual and combined human health exposure pathways needs to be adjusted to a lower concentration to meet the cumulative risk and hazard criteria. The person shall then use the lower of the carcinogenic or noncarcinogenic PCL as the Tier 1 human health PCL. In other words, the Tier 1 PCLs provided in this table for an individual COC should not be used as the final Tier 1 human health PCL for any of the individual or combined exposure pathways in cases where there are more than 10 carcinogenic and/or more than 10 noncarcinogenic COCs within a source medium unless it can be demonstrated that further downward adjustment is not necessary to meet the cumulative risk and hazard criteria.																			
²based on primary MCLs when available																			
³100 x ^{GW} GW _{Ing}																			
⁴c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than ^{GW} GW _{Ing} value																			
⁵Values for ammonia and MTBE are based on taste and odor.																			
⁶The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.																			
⁷Persons must use the value provided in the "Secondary MCL" column of this table as the ^{GW} GW _{Ing} PCL for MTBE if the conditions described in §350.74(f)(3) exist.																			
⁸These compounds, acetic acid, ammonium polyphosphate, ammonium salts, calcium, chloride, ethylene, hydrogen chloride (hydrochloric acid), iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulfate, sulfide, and sulfur, 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.state.tx.us/remediation/trrp/trrp.htm .																			
All values capped at 1E+06																			

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Acenaphthene		3.0E+03	
Acenaphthylene		3.8E+03	
Acetaldehyde	1.7E+02	1.4E+02	8.7E+01
Acetate, 2-ethoxyethanol		3.5E+03	
Acetate, isoamyl		5.9E+03	
Acetate, isobutyl		3.9E+03	
Acetate, sec-butyl		3.9E+03	
Acetic acid*			
Acetone (2-propanone)		6.6E+04	
Acetone cyanohydrin		1.9E+02	
Acetonitrile		8.7E+02	
Acetophenone		6.7E+03	
Acetylaminofluorene, 2-	1.2E+00		1.1E+00
Acifluorfen, sodium		8.7E+02	
Acridine		2.0E+02	
Acrolein		1.7E+01	
Acrylamide	7.0E+00	1.1E+02	5.7E+00
Acrylic acid		1.2E+02	
Acrylonitrile	3.6E+00	2.2E+01	2.2E+00
Adipic acid (hexanedioic acid)		1.3E+05	
Alachlor	5.9E+01	6.7E+02	5.9E+01
Aldicarb		6.7E+01	
Aldicarb sulfone		6.7E+01	
Aldrin	5.0E-02	5.9E-01	5.0E-02
Allyl alcohol		5.6E+00	
Allyl chloride		1.5E+01	
Aluminum		6.5E+04	
Ametryn		6.0E+02	
Amino-2,6-dinitrotoluene, 4-	4.7E+02	1.1E+01	4.7E+02
Amino-4,6-dinitrotoluene, 2-	4.7E+02	1.1E+01	4.7E+02
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	7.7E-01		7.7E-01
Aminopyridine, 4-		1.3E+00	
Ammonia		1.5E+03	
Ammonium polyphosphate*			
Ammonium salts*			
Aniline	8.2E+02	1.0E+02	8.2E+02
Anthracene		1.8E+04	
Anthraquinone, 9,10-	1.2E+02	1.3E+03	1.2E+02
Antimony		1.5E+01	
Aramite	1.1E+02	2.4E+03	1.1E+02
Arsenic	3.4E+01	2.4E+01	3.4E+01
Arsine		7.7E-01	
Asbestos ²			
Atrazine	2.1E+01	2.3E+03	2.1E+01
Azinphos-methyl (guthion)		1.0E+02	
Azobenzene	3.7E+01		3.6E+01
Barium		8.1E+03	
Bayleton		2.0E+03	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Benefin (benfluralin)		1.9E+04	
Benomyl		3.3E+03	
Benz-a-anthracene	5.7E+00		5.6E+00
Benzaldehyde		8.2E+03	
Benzene	1.2E+02	3.0E+02	6.9E+01
Benzenedicarbonitrile, 1,3-		4.0E+02	
Benzenedicarboxylic acid, 1,2-disodecyl ester		3.3E+03	
Benzenethiol		8.2E+01	
Benzidine	1.5E-02	2.0E+02	1.3E-02
Benzo-a-pyrene	5.6E-01		5.6E-01
Benzo-b-fluoranthene	5.7E+00		5.7E+00
Benzo-e-pyrene		1.8E+03	
Benzo-g,h,i-perylene		1.8E+03	
Benzoic acid		2.7E+05	
Benzo-j-fluoranthene	5.4E+00		5.3E+00
Benzo-k-fluoranthene	5.7E+01		5.7E+01
Benzophenone		4.5E+02	
Benzotrichloride	3.6E-01		3.6E-01
Benzoyl peroxide		3.3E+03	
Benzyl alcohol		6.7E+03	
Benzyl chloride	3.6E+01	2.6E+01	3.6E+01
Benzyl dichloride	2.8E+01	3.9E+01	2.8E+01
Beryllium	9.4E+03	3.8E+01	4.8E+03
Biphenyl, 1,1-		3.3E+03	
Biphenyl, 1,1', 2-phenoxy-		3.9E+03	
Biquinoline, 2,2'-		1.8E+02	
Bis (2-chloroethoxy) methane	3.1E+00	2.0E+02	2.5E+00
Bis (2-chloroethyl) ether	2.2E+00		1.4E+00
Bis (2-chloroisopropyl) ether	5.1E+01	2.7E+03	4.1E+01
Bis (2-chloromethyl) ether	4.8E-03		2.7E-03
Bis (2-ethyl-hexyl) phthalate	4.3E+01	2.7E+02	4.3E+01
Bismuth		3.7E+04	
Bisphenol A		3.3E+03	
Boron		1.6E+04	
Bromacil		6.7E+03	
Bromo-2-chloroethane, 1-		3.3E+03	
Bromobenzene		3.9E+02	
Bromodichloromethane	9.8E+01	1.6E+03	9.8E+01
Bromoform	4.0E+02	1.6E+03	2.8E+02
Bromomethane		4.6E+01	
Bromophenyl phenylether, 4-	2.8E-01		2.7E-01
Butadiene, 1,3-	7.2E+02	5.1E+02	3.7E+02
Butadiene, 2-methyl-1,3- (isoprene)		4.8E+03	
Butanal (butyraldehyde)		4.9E+03	
Butane, 2,3-dimethyl-		4.8E+03	
Butanoic acid (butyric acid)		1.3E+02	
Butanol, 1-, 2-Me-		8.2E+02	
Butanol, 2-		1.5E+05	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Butanol, 2-methyl-2-		8.2E+02	
Butanol, n-		8.2E+03	
Butene, 1-		4.8E+03	
Butene, cis-2-		4.8E+03	
Butene, trans-2-		4.8E+03	
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)		6.5E+03	
Butyl acetate		5.6E+03	
Butyl acrylate		7.4E+02	
Butyl benzyl phthalate	1.6E+03	1.0E+04	1.6E+03
Butyl ether, n- (dibutyl ether)		8.2E+03	
Butyl methacrylate		7.4E+03	
Butylate		3.3E+03	
Butylbenzene, n-		3.3E+03	
Butylbenzene, sec-		3.3E+03	
Butylbenzene, tert-		3.3E+03	
Cacodylic acid		2.0E+02	
Cadmium	1.3E+04	5.2E+01	6.5E+03
Calcium*			
Caprolactam		3.3E+04	
Captan	1.3E+03	8.7E+03	1.3E+03
Carbaryl		6.7E+03	
Carbazole	2.3E+02		2.3E+02
Carbofuran		3.3E+02	
Carbon disulfide		4.6E+03	
Carbon tetrachloride	3.5E+01	2.7E+02	2.3E+01
Carbophenothion		8.2E+02	
Carbosulfan		4.3E+02	
Carboxin		6.7E+03	
Chloral		8.2E+03	
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)		6.7E+03	
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)		1.0E+03	
Chlordane (technical)	6.0E+00	2.0E+01	5.9E+00
Chlordane, cis- (alpha chlordane)	1.3E+01	3.2E+01	1.3E+01
Chlordane, gamma	7.4E+00	2.3E+01	7.3E+00
Chlorfenvinphos		1.4E+01	
Chloride*			
Chlorine		2.3E+00	
Chloro-1,3-butadiene, 2-	1.2E+00	3.1E+02	6.1E-01
Chloro-2-propanol, 1-		1.6E+03	
Chloro-3-methylphenol, 4-		3.3E+02	
Chloroaniline, p-	2.3E+01	2.7E+02	2.3E+01
Chlorobenzene		5.2E+02	
Chlorobenzilate	1.7E+01	1.3E+03	1.6E+01
Chlorobromomethane (bromochloromethane)		3.3E+03	
Chlorodifluoromethane		7.7E+05	
Chloroethane (ethyl chloride)		2.7E+04	
Chloroethanol, 2-		3.3E+04	
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	5.5E+00	4.5E+00	5.5E+00

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Chloroform	1.6E+01	5.3E+02	8.0E+00
Chlorohexane, 1-		2.7E+03	
Chloromethane (methyl chloride)	1.4E+02	1.4E+03	8.4E+01
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)		4.6E+03	
Chloronaphthalene, 2- (chloronaphthalene, beta)		5.0E+03	
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	7.5E+02	3.2E+01	7.5E+02
Chlorophenol, 2-		4.1E+02	
Chlorophenol, 3-		3.3E+02	
Chlorophenol, 4-		3.3E+02	
Chlorophenyl phenylether, 4-	1.6E-01		1.5E-01
Chloropropane, 2-		9.4E+02	
Chlorothalonil	4.3E+02	1.0E+03	4.3E+02
Chlorotoluene, o- (2-chlorotoluene)		1.2E+03	
Chlorotoluene, p- (4-chlorotoluene)		1.6E+03	
Chlorpyrifos		1.3E+02	
Chromium (III)		3.3E+04	
Chromium (total)		3.3E+04	
Chromium (VI)	1.9E+03	1.2E+02	9.7E+02
Chrysene	5.6E+02		5.6E+02
Cobalt	2.5E+03	2.1E+01	1.3E+03
Copolymer acrylamide		1.3E+01	
Copper		5.5E+02	
Coronene		1.3E+02	
Coumaphos		4.3E+02	
Cresol		3.3E+03	
Cresol, m- (3-methylphenol)		3.3E+03	
Cresol, o- (2-methylphenol)		3.3E+03	
Cresol, p- (4-methylphenol)		3.3E+02	
Crotonaldehyde	3.2E+00	8.2E+01	3.2E+00
Cumene (isopropylbenzene)		4.3E+03	
Cyanazine	5.6E+00	1.3E+02	5.6E+00
Cyanide		4.8E+01	
Cyanogen		1.1E+01	
Cycloate		3.7E+03	
Cyclohexane		7.5E+04	
Cyclohexanol		3.3E+05	
Cyclohexanone		3.2E+04	
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)		1.3E+03	
Cyclohexene-1-methanol, 3-		1.6E+03	
Cyclopentane		4.8E+03	
Cyclopentane, methyl-		5.3E+03	
Cyclopentene		4.1E+05	
Cyclotetramethylenetetranitramine (HMX)		1.6E+03	
Cyclotrimethylenetrinitramine (RDX)	4.3E+01	2.0E+02	4.3E+01
Cymene (isopropyltoluene)		8.2E+03	
Cymoxanil		8.7E+02	
Dacthal (DCPA)		6.2E+02	
Dalapon, sodium salt (2,2-dichloropropanoic acid)		2.0E+03	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
DDD	1.4E+01		1.4E+01
DDE	1.0E+01		1.0E+01
DDT	5.4E+00	1.9E+01	5.4E+00
Demeton		2.7E+00	
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)		2.7E+03	
Diallate	3.8E+01		3.8E+01
Diazinon		3.1E+01	
Dibenz(a,h)acridine	3.7E+00		3.7E+00
Dibenz(a,j)acridine	5.8E+00		5.8E+00
Dibenz-a,h-anthracene	5.5E-01		5.5E-01
Dibenzo(a,e)pyrene	6.1E-01		6.1E-01
Dibenzo(a,h)pyrene	6.1E-02		6.1E-02
Dibenzo(a,i)pyrene	6.1E-02		6.1E-02
Dibenzofuran		2.7E+02	
Dibenzothiophene		1.9E+02	
Dibromo-3-chloropropane, 1,2-	1.5E-01	5.0E+00	8.0E-02
Dibromochloromethane (chlorodibromomethane)	7.2E+01	1.6E+03	7.2E+01
Dibromofluoromethane		1.6E+04	
Dicamba		2.0E+03	
Dichlormid		1.7E+03	
Dichloro-2-butene, 1,4-	2.0E-01		1.0E-01
Dichloro-2-butene, 1,4- trans	2.0E-01		1.1E-01
Dichlorobenzene, 1,2-		7.2E+02	
Dichlorobenzene, 1,3-		1.2E+02	
Dichlorobenzene, 1,4-	2.5E+02	2.4E+03	2.5E+02
Dichlorobenzidine, 3,3-	1.0E+01		1.0E+01
Dichlorobutane, 2,3-		9.5E+01	
Dichlorodifluoromethane		1.4E+03	
Dichloroethane, 1,1-		1.1E+04	
Dichloroethane, 1,2-	1.1E+01	8.8E+01	6.4E+00
Dichloroethylene, 1,1-		2.3E+03	
Dichloroethylene, cis-1,2-		1.4E+02	
Dichloroethylene, trans-1,2		5.9E+02	
Dichlorofluoromethane		1.6E+04	
Dichlorophenol, 2,3-		2.0E+02	
Dichlorophenol, 2,4-		2.0E+02	
Dichlorophenol, 2,5-		2.0E+02	
Dichlorophenol, 2,6-		6.7E+01	
Dichlorophenol, 3,4-		2.0E+02	
Dichlorophenol, 3,5-		2.0E+02	
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)		5.3E+02	
Dichlorophenoxyacetic acid, 2,4- (2,4-D)		7.3E+02	
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)		6.7E+02	
Dichloropropane, 1,2-	8.9E+01	6.1E+01	8.9E+01
Dichloropropane, 1,3-	3.6E+01	2.6E+02	2.6E+01
Dichloropropane, 2,2-	8.9E+01	6.1E+01	8.9E+01
Dichloropropanol, 2,3-		2.0E+02	
Dichloropropene, 1,1-	3.6E+01	2.7E+02	2.6E+01

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Dichloropropene, 1,3- (mixed isomers)	3.6E+01	2.7E+02	2.6E+01
Dichloropropene, cis 1,3-	1.1E+01	8.0E+00	1.1E+01
Dichloropropene, trans 1,3-	3.6E+01	2.7E+02	2.6E+01
Dichlorvos	1.6E+01	3.3E+01	1.6E+01
Dicrotophos (bidrin)		6.7E+00	
Dicyclopentadiene		6.6E+02	
Dieldrin	1.5E-01	2.2E+00	1.5E-01
Diethanolamine		3.3E+01	
Diethyl phthalate		5.3E+04	
Diethylene glycol		1.3E+05	
Diethylene glycol monobutyl ether		2.0E+01	
Diethylhexyl adipate	3.9E+03	4.0E+04	3.9E+03
Diethylstilbestrol	7.1E-04		7.1E-04
Diisobutylene (trimethyl-1-pentene, 2,4,4-)		1.9E+03	
Diisopropylbenzene, p-		8.2E+02	
Diisopropyl ether (2,2'-oxybis-propane)		4.6E+03	
Dimethenamid		1.0E+03	
Dimethoate		1.3E+01	
Dimethoxybenzidine, 3,3'-	3.4E+02		3.4E+02
Dimethylphenethylamine, alpha, alpha-		1.3E+02	
Dimethyl phenol, 2,4-		1.3E+03	
Dimethylaminoazobenzene, p-		6.4E-01	
Dimethylbenz-a-anthracene, 7,12-	1.7E-02		1.7E-02
Dimethylbenzidine, 3,3'-	4.3E-01		4.3E-01
Dimethylnaphthalene, 1,3-		2.3E+03	
Dimethylphthalate		5.3E+04	
Di-n-butyl phthalate		6.2E+03	
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)		6.7E+00	
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)		6.7E+00	
Dinitrobenzene, 1,4-		6.7E+00	
Dinitrophenol, 2,4-		1.3E+02	
Dinitrophenol, 2,5-		1.3E+02	
Dinitrotoluene, 2,4-	6.9E+00	1.3E+02	6.9E+00
Dinitrotoluene, 2,6-	6.9E+00	6.7E+01	6.9E+00
Di-n-octyl phthalate		2.6E+03	
Dinoseb		6.7E+01	
Dioxane 1,4-	6.1E+01	2.4E+03	6.1E+01
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)		1.0E-03	
Diphenylamine		1.7E+03	
Diphenylhydrazine, 1,2-	5.6E+00		5.4E+00
Dipropylene glycol		8.0E+03	
Diquat		1.5E+02	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)		6.7E+02	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)		6.7E+02	
Disulfoton		2.7E+00	
Diuron		1.3E+02	
Dodecylphenol, 4-		3.3E+03	
Dodecylphenol, 4-		3.3E+03	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Endosulfan		4.0E+02	
Endosulfan I		9.1E+01	
Endosulfan II		2.7E+02	
Endosulfan sulfate		3.8E+02	
Endothall		1.3E+03	
Endrin		9.0E+00	
Endrin aldehyde		1.9E+01	
Endrin ketone		1.9E+01	
Epichlorohydrin	2.8E+02	2.5E+01	1.8E+02
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)		6.7E-01	
Esfenvalerate		7.4E+01	
Ethalfuralin (sonolan)	4.7E+01	2.5E+03	4.7E+01
Ethanol		2.7E+06	
Ethanol, 2-amino-		1.4E+02	
Ethanol, 2-(2-aminoethoxy)-		4.1E+01	
Ethanol, 2-(2-ethoxyethoxy)-		1.6E+05	
Ethanol, 2-(methylamino)-		1.1E+03	
Ethion		2.7E+01	
Ethoprop	1.7E+02	6.7E+00	1.7E+02
Ethoxy ethanol, 2-		2.8E+03	
Ethyl acetate		7.4E+04	
Ethyl acrylate	1.3E+02		1.3E+02
Ethyl benzene		6.4E+03	
Ethyl dipropylthiocarbamate, S-		1.7E+03	
Ethyl ether		1.6E+04	
Ethyl methacrylate		3.6E+03	
Ethyl methanesulfonate	3.4E+01		2.7E+01
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)		8.0E+01	
Ethyl-1-hexanol, 2-		1.0E+04	
Ethyl-2-hexenal, 2-		1.2E+04	
Ethyl-2-methyl benzene, 1-		2.8E+03	
Ethyl-4-methyl benzene, 1-		2.6E+03	
Ethylene*			
Ethylene dibromide (dibromoethane, 1,2-)	7.3E-01	1.7E+02	4.3E-01
Ethylene glycol		1.3E+05	
Ethylene oxide	2.2E+00		1.4E+00
Ethylene thiourea	4.3E+01	5.3E+00	4.3E+01
Ethylenediamine		7.4E+03	
Ethylenimine	5.5E-02		3.9E-02
Ethylhexyl acrylate, 2-	9.8E+01		9.8E+01
Famphur		2.0E+00	
Fensulfothion		6.7E+01	
Fenthion		4.7E+00	
Fluoranthene		2.3E+03	
Fluorene		2.3E+03	
Fluorine (soluble fluoride)		4.8E+03	
Fluorochloridone		5.0E+02	
Fonofos		1.3E+02	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Formaldehyde		9.3E+02	
Formic acid		2.1E+02	
Furan		8.2E+01	
Furfural		2.5E+02	
Glycidylaldehyde		2.7E+01	
Glyphosate		6.7E+03	
Heptachlor	1.3E-01	7.1E+00	1.3E-01
Heptachlor epoxide	2.4E-01	5.4E-01	2.4E-01
Heptane, n-		4.8E+03	
Heptanoic acid, n-		1.2E+02	
Hexachlorobenzene	1.1E+00	2.9E+01	1.0E+00
Hexachlorobutadiene	2.0E+01	6.7E+01	1.2E+01
Hexachlorocyclohexane, alpha (alpha-BHC)	2.6E-01	2.7E+02	2.5E-01
Hexachlorocyclohexane, beta (beta-BHC)	9.3E-01		9.2E-01
Hexachlorocyclohexane, delta (delta-BHC)	2.9E+00	2.2E+01	2.9E+00
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	1.1E+00	9.2E+00	1.1E+00
Hexachlorocyclohexane, techn (technical-BHC)	1.3E+00		1.3E+00
Hexachlorocyclopentadiene		1.4E+01	
Hexachloroethane	1.2E+02	4.6E+01	1.2E+02
Hexachlorophene		2.0E+01	
Hexachloropropylene	2.5E+02	6.7E+01	2.0E+02
Hexanal, 2-ethyl-		1.0E+04	
Hexane, n-		3.3E+03	
Hexanediamine, 1,6-		4.1E+02	
Hexanedinitrile		1.0E+02	
Hexanediol, 1,6-		3.0E+05	
Hexanoic acid		1.3E+02	
Hexanone, 2-		2.7E+02	
Hexazinone		2.2E+03	
Hexene, 1-		1.6E+03	
Hexene, cis-2-		1.6E+03	
Hexylene glycol (2-methyl-2,4-pentanediol)		2.0E+04	
Hydrazine	3.8E-01	2.9E+00	2.1E-01
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)		1.6E+02	
Hydrogen chloride (hydrochloric acid)*			
Hydroquinone	7.8E+01	2.7E+03	7.8E+01
Indene		1.0E+02	
Indeno-1,2,3-cd-pyrene	5.7E+00		5.7E+00
Iron*			
Isoamyl alcohol		4.1E+02	
Isobutyl alcohol		2.5E+04	
Isobutylene (2-methyl-1-propene)		1.7E+06	
Isobutyric acid (2-methylpropanoic acid)		3.3E+04	
Isodecanol		7.1E+01	
Isodrin	2.7E-02	2.0E-01	2.7E-02
Isopentane		4.8E+03	
Isophorone	4.9E+03	1.3E+04	4.9E+03
Isopropyl acetate		5.7E+03	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Isopropyl alcohol		1.6E+04	
Isosafrole	1.7E+01		1.5E+01
Kelthane (dicofol)		2.7E+02	
Kepone (chlordecone)	3.6E-01	1.7E+01	3.5E-01
Lead (inorganic)		5.0E+02	
Leptophos		1.7E-01	
Limonene, d-*			
Lithium		1.3E+02	
Magnesium*			
Malathion		1.7E+02	
Maleic anhydride		6.7E+03	
Maleic hydrazide		3.3E+04	
Malononitrile		6.7E+00	
Mancozeb		2.0E+03	
Manganese		3.7E+03	
MCPA (4-(chloro-2-methylphenoxy) acetic acid)		3.3E+01	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)		6.7E+01	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)		6.7E+01	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)		6.7E+01	
Mercuric chloride (pH = 4.9)		3.6E+00	
Mercuric chloride (pH = 6.8)		8.3E+00	
Mercury (pH = 4.9) ¹		3.6E+00	
Merphos		2.0E+00	
Methacrylic acid (2-methyl-2-propenoic acid)		8.2E+02	
Methacrylonitrile		8.2E+00	
Methanol		4.1E+04	
Methapyrilene	1.0E+00		1.0E+00
Methomyl		1.7E+03	
Methoxychlor		2.7E+02	
Methoxyethanol, 2-		1.8E+02	
Methyl acetate (acetic acid, methyl ester)		8.2E+04	
Methyl acrylate		1.6E+02	
Methyl amyl ketone (2-heptanone)		3.9E+03	
Methyl chrysene, 1-	5.8E+02		5.8E+02
Methyl chrysene, 2-	5.8E+02		5.8E+02
Methyl chrysene, 6-	5.7E+01		5.7E+01
Methyl cyclohexane		4.1E+04	
Methyl ethyl ketone (2-butanone)		4.0E+04	
Methyl iodide (iodomethane)		1.1E+02	
Methyl isobutyl ketone (4-methyl-2-pentanone)		5.9E+03	
Methyl mercury		8.0E+00	
Methyl methacrylate		9.8E+03	
Methyl methanesulfonate	3.3E+01		2.6E+01
Methyl parathion		1.7E+01	
Methyl-1-butene, 2-		4.8E+03	
Methyl-1-propanal, 2- (isobutyraldehyde)		3.3E+03	
Methyl-2-butene, 2-		4.8E+03	
Methyl-2-pentenal, 2-	3.2E+00		3.2E+00

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	TotSoilComb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	5.2E+02		5.2E+02
Methylcholanthrene, 3-	1.9E-01		1.9E-01
Methylene bromide (dibromomethane)	8.1E+02	8.1E+01	8.1E+02
Methylene chloride (dichloromethane)	2.5E+03	4.8E+02	2.1E+03
Methylene-bis (2-chloroaniline) 4,4'-	4.6E+01	1.3E+02	4.5E+01
Methylmercury hydroxide		6.7E+00	
Methylnaphthalene, 1-	1.5E+02	4.4E+03	1.5E+02
Methylnaphthalene, 2-		2.5E+02	
Methylpyrrolidone, N-		1.3E+03	
Methylstyrene, alpha-		2.8E+02	
Methyltetrahydrofuran, 2-	1.5E+02	1.6E+04	8.6E+01
Methyltetrahydropyran, 2-	1.7E+02	1.6E+04	9.8E+01
Metolachlor		1.0E+04	
Metribuzin		1.7E+03	
Mirex		1.3E+01	
Molinate		1.3E+02	
Molybdenum		1.6E+02	
Monocrotophos		4.0E+01	
Morpholine		4.1E+07	
Morpholine, N-butyl-		1.9E+02	
MTBE (methyl tert-butyl ether)	9.8E+02	8.0E+02	5.9E+02
Naled		1.3E+02	
Naphthalene		2.2E+02	
Naphthoquinone, 1,4-		4.7E+02	
Naphthylamine, 1-		1.3E+03	
Naphthylamine, 2-	2.6E+00		2.6E+00
Napropamide		6.7E+03	
Neopentyl glycol		2.0E+04	
Nickel and compounds	1.3E+05	8.4E+02	6.8E+04
Nitrate		1.3E+05	
Nitrite		8.0E+03	
Nitroaniline, 2-		1.4E+01	
Nitroaniline, 3-	1.2E+02	1.5E+01	1.2E+02
Nitroaniline, 4-	2.3E+02	2.2E+02	2.3E+02
Nitrobenzene	6.6E+01	1.2E+02	3.4E+01
Nitroglycerin	2.8E+02	6.7E+00	2.8E+02
Nitrophenol, 2-		1.3E+02	
Nitrophenol, 3-		1.3E+02	
Nitrophenol, 4-		1.3E+02	
Nitropropane, 2-	1.3E-01	1.1E+01	6.8E-02
Nitroquinoline-N-oxide, 4-	4.0E-01		3.3E-01
Nitrosodiethanolamine	1.7E+00		1.7E+00
Nitrosodiethylamine, n-	2.5E-02		1.8E-02
Nitrosodimethylamine, n-	7.4E-02	5.8E-01	5.5E-02
Nitrosodi-n-butylamine, n-	4.7E-01		3.3E-01
Nitrosodi-n-propylamine, n-	4.0E-01		4.0E-01
Nitrosodiphenylamine	5.7E+02		5.7E+02
Nitroso-methyl-ethyl-amine, n-	2.8E-01		2.8E-01

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot^{Soil}Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Nitrosomorpholine, N-	5.0E-01		3.9E-01
Nitroso-n-ethylurea, n-	3.4E-02		3.4E-02
Nitrosopiperidine, N-	3.6E-01		2.9E-01
Nitrosopyrrolidine, n-	1.6E+00		1.3E+00
Nitrotoluene, m-		6.7E+02	
Nitrotoluene, o-	2.1E+01	6.0E+01	2.1E+01
Nitrotoluene, p-	2.9E+02	2.7E+02	2.9E+02
Nonachlor, cis-	5.6E+00	1.9E+01	5.6E+00
Nonachlor, trans-	5.6E+00	1.9E+01	5.6E+00
Nonanal		1.3E+04	
Nonene, 1-n		8.2E+03	
Nonylphenol		6.5E+03	
Nonylphenol		6.5E+03	
Nonylphenol		6.5E+03	
Nonylphenol ethoxylate		8.0E+03	
Octamethylpyrophosphoramid		1.3E+02	
Octanone		4.9E+03	
Oxamyl		1.7E+03	
Oxychlorane	5.6E+00	1.9E+01	5.6E+00
Paraquat		3.0E+02	
Parathion (ethyl parathion)		4.0E+02	
Pebulate		3.3E+03	
Pendimethalin		2.5E+03	
Pentachlorobenzene		5.3E+01	
Pentachloroethane	3.9E+01	2.5E+03	2.8E+01
Pentachloronitrobenzene	1.0E+01	1.4E+02	1.0E+01
Pentachlorophenol	7.3E-01	3.6E+01	7.3E-01
Pentadiene, 1,3-cis-		4.8E+03	
Pentadiene, 1,3-trans-		4.8E+03	
Pentaerythritol tetranitrate (PETN)		1.3E+02	
Pentane		5.0E+04	
Pentane, 2-methyl-		4.8E+03	
Pentane, 3-methyl-		4.8E+03	
Pentenediol, 1,5-		3.0E+05	
Pentanol, 1-		2.7E+03	
Pentanol, 4-methyl-2-		2.1E+03	
Pentanone, 2-		3.3E+03	
Pentene, 2-		4.8E+03	
Pentyne, 1-		4.8E+03	
Perchlorate		5.1E+01	
Perylene		1.3E+03	
Phenacetin	1.8E+03		1.5E+03
Phenanthrene		1.7E+03	
Phenanthridine		2.0E+02	
Phenol		2.0E+04	
Phenol, 4-tert-butyl-		3.3E+02	
Phenothiazine		2.9E+01	
Phenyl mercuric acetate		5.3E+00	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot^{Soil}Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Phenylene diamine, m-		4.0E+02	
Phenylene diamine, p-		1.3E+04	
Phorate		1.3E+01	
Phosalone		1.3E+02	
Phosdrin (mevinphos)		1.7E+00	
Phosmet		1.3E+03	
Phosphine		3.8E+00	
Phosphorotriothioic acid, S,S,S-tributyl ester	6.6E+01	7.8E+01	6.6E+01
Phosphorus, total*			
Phosphorus, white		1.5E+00	
Phthalic anhydride		3.6E+04	
Picloram		4.7E+03	
Picoline, 2- (2-methylpyridine)		7.4E+02	
Polybrominated biphenyls (PBBs)	9.7E-03	1.6E-02	9.7E-03
Polychlorinated biphenyls (PCBs)	1.8E+00	1.1E+00	1.7E+00
Potassium*			
Primene		3.6E+02	
Prometon (pramitol)		1.0E+03	
Pronamide		5.0E+03	
Propanal (propionaldehyde)		1.0E+02	
Propane, 1-bromo-		2.9E+03	
Propanil		3.3E+02	
Propanoic acid (propionic acid)		4.1E+04	
Propanol, 1-		1.6E+04	
Propargite		1.3E+03	
Propargyl alcohol		1.6E+02	
Propazine	1.1E+02	1.3E+03	1.1E+02
Propham		1.3E+03	
Propionitrile (propane nitrile)		3.3E+01	
Propyl acetate, n-		7.4E+03	
Propylbenzene, n-		2.2E+03	
Propylene glycol		3.7E+02	
Propylene glycol monomethyl ether		4.6E+04	
Propylene oxide	2.0E+01	4.6E+02	1.7E+01
Propylene tetramer		4.6E+03	
Prothiofos (Tokuthion)		6.6E+00	
Pyrene		1.7E+03	
Pyridine		8.2E+01	
Quinoline	1.6E+00		1.6E+00
Ronnel		2.3E+03	
Safrole	1.6E+01		1.3E+01
Selenium		3.1E+02	
Selenourea		4.1E+02	
Silver		9.7E+01	
Simazine	3.9E+01	3.3E+02	3.9E+01
Sodium*			
Sodium diethyldithiocarbamate	2.2E+01	2.5E+03	2.2E+01
Sodium hypochlorite		1.5E+04	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot ^{Soil} Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Sodium polyacrylate		1.2E+02	
Strontium		4.4E+04	
Strychnine		2.0E+01	
Styrene		6.7E+03	
Sulfate*			
Sulfide*			
Sulfolane		4.3E+02	
Sulfur*			
Sulprofos (Bolstar)		2.0E+02	
Tebuconazole		2.0E+03	
Tebuthiuron		4.7E+03	
Terbufos		1.7E+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-		2.0E+01	
Tetrachlorobenzene, 1,2,3,5-		1.3E+01	
Tetrachlorobenzene, 1,2,4,5-		2.0E+01	
Tetrachloroethane, 1,1,1,2-	6.5E+01	2.5E+03	3.9E+01
Tetrachloroethane, 1,1,2,2-	3.0E+01	1.6E+03	3.0E+01
Tetrachloroethylene	7.1E+02	4.5E+02	4.2E+02
Tetrachlorophenol, 2,3,4,5-		4.0E+02	
Tetrachlorophenol, 2,3,4,6-		1.8E+02	
Tetrachlorophenol, 2,3,5,6-		2.3E+01	
Tetrachlorvinphos (Stirophos)		2.6E+03	
Tetradifon		1.0E+03	
Tetraethyl dithiopyrophosphate (sulfotep)		3.3E+01	
Tetraethyl lead		6.7E-03	
Tetraethyl pyrophosphate (TEPP)		7.3E-01	
Tetraethylene glycol		2.2E+04	
Tetrahydrofuran	1.5E+02	2.2E+04	8.6E+01
Tetrahydropyran	1.6E+02	1.6E+04	9.2E+01
Tetraoxadodecane, 2,5,8,11-		2.0E+03	
Thallium and compounds (as thallium chloride)		6.3E+00	
Thiofanox		2.0E+01	
Thionazin		4.7E+00	
Thiophanate-methyl		5.3E+03	
Thiram		3.3E+02	
Tin		3.5E+04	
Titanium		2.2E+05	
Toluene		5.9E+03	
Toluene diisocyanate, 2,4/2,6-		1.5E+02	
Toluenediamine, 2,4-	1.5E+00		1.5E+00
Toluenediamine, 2,6-		2.0E+03	
Toluidine, o-	1.7E+01		1.5E+01
Toluidine, p-	2.5E+01		2.5E+01
Toxaphene	1.2E+00		1.2E+00
TPH, TX1005, C6-C12		1.6E+03	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	Tot^{Soil}Comb		
	(includes inhalation, ingestion, dermal, and vegetable consum		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
TPH, TX1005, >C12-C28		2.3E+03	
TPH, TX1005, >C12-C35		2.3E+03	
TPH, TX1005, >C28-C35		2.3E+03	
TP Silvex, 2,4,5-		5.3E+02	
Triademenol		2.0E+03	
Triallate		3.2E+02	
Triaminotrinitrobenzene (TATB)	1.6E+02	2.0E+02	1.6E+02
Tributyltin oxide		2.0E+01	
Trichloro-1,2,2-trifluoroethane, 1,1,2-		3.9E+05	
Trichlorobenzene, 1,2,3-		1.2E+02	
Trichlorobenzene, 1,2,4-	1.6E+02	1.2E+02	1.6E+02
Trichlorobenzene, 1,3,5-		7.8E+01	
Trichloroethane, 1,1,1-		5.3E+04	
Trichloroethane, 1,1,2-	1.8E+01	3.3E+02	1.0E+01
Trichloroethylene	5.3E+01	1.8E+01	3.4E+01
Trichlorofluoromethane		2.5E+04	
Trichloronate		1.4E+02	
Trichlorophenol, 2,3,4-		6.7E+03	
Trichlorophenol, 2,3,5-		6.7E+03	
Trichlorophenol, 2,3,6-		5.3E+02	
Trichlorophenol, 2,4,5-		6.7E+03	
Trichlorophenol, 2,4,6-	3.5E+02	6.7E+01	3.0E+02
Trichlorophenol, 3,4,5-		6.7E+03	
Trichlorophenoxyacetic acid, 2,4,5-		6.7E+02	
Trichloropropane, 1,1,2-		4.6E+00	
Trichloropropane, 1,2,3-	2.0E-01	1.3E+01	2.0E-01
Triethanolamine		1.3E+04	
Triethylamine		1.1E+02	
Triethylene glycol		2.0E+05	
Triethylphosphorothioate, O, O, O-		5.5E-01	
Trifluralin	2.7E+02	3.0E+02	2.7E+02
Trimethylamine		1.5E+02	
Trimethylbenzene, 1,2,3-		1.2E+02	
Trimethylbenzene, 1,2,4-		1.5E+02	
Trimethylbenzene, 1,3,5-		1.1E+02	
Trinitrobenzene, 1,3,5-		2.0E+03	
Trinitrophenylmethylnitramine (tetryl; nitramine)		2.7E+02	
Trinitrotoluene, 2,4,6-	1.6E+02	3.3E+01	1.6E+02
Uranium (soluble salts)		2.2E+02	
Valeric acid (pentanoic acid)		1.3E+02	
Vanadium		7.6E+01	
Vernam		6.7E+01	
Vinyl acetate		3.0E+03	
Vinyl chloride	3.7E+00	1.9E+02	3.4E+00
Vinylcyclohexane		4.1E+04	
Warfarin		2.0E+01	
Xylene, m-		8.9E+03	
Xylene, o-		4.8E+04	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, dermal, and vegetable consumption)		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Xylene, p-		8.9E+03	
Xylenes		6.0E+03	
Zinc		9.9E+03	
6 C aliphatics (TPH)	---	3.3E+03	---
>6-8 C aliphatics (TPH)	---	3.3E+03	---
>8-10 C aliphatics (TPH)	---	4.0E+03	---
>10-12 C aliphatics (TPH)	---	3.6E+03	---
>12-16 C aliphatics (TPH)	---	4.3E+03	---
>16-21 C aliphatics (TPH)	---	1.3E+05	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil re	---	1.3E+05	---
>7-8 C aromatics (TPH)	---	6.4E+03	---
>8-10 C aromatics (TPH)	---	1.6E+03	---
>10-12 C aromatics (TPH)	---	1.9E+03	---
>12-16 C aromatics (TPH)	---	2.3E+03	---
>16-21 C aromatics (TPH)	---	1.9E+03	---
>21-35 C aromatics (TPH)	---	1.9E+03	---
Footnotes			
¹ Note that much higher PCLs for mercury may be obtained using a pH-dependent K _d based on site-specific information (see Figure §350.73(e)(1)(C)).			
² Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.			
*These compounds, acetic acid, ammonium polyphosphate, ammonium salts, calcium, chloride, ethylene, hydrogen chloride (hydrogen chloride), limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulfate, sulfide, and sulfur, 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. For a complete list of compounds for which calculation of a Human Health PCL is Not Required, see the TCEQ website at http://www.tceq.texas.gov/remediation/trrp/trrp.html .			
All values capped at 1E+06			

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Acenaphthene	3.0E+03
Acenaphthylene	3.8E+03
Acetaldehyde	7.3E+01
Acetate, 2-ethoxyethanol	2.3E+03
Acetate, isoamyl	5.9E+03
Acetate, isobutyl	3.9E+03
Acetate, sec-butyl	3.9E+03
Acetic acid*	
Acetone (2-propanone)	5.9E+04
Acetone cyanohydrin	1.8E+02
Acetonitrile	5.3E+02
Acetophenone	6.7E+03
Acetylaminofluorene, 2-	
Acifluorfen, sodium	8.7E+02
Acridine	2.0E+02
Acrolein	1.1E+01
Acrylamide	9.8E+01
Acrylic acid	6.2E+01
Acrylonitrile	1.3E+01
Adipic acid (hexanedioic acid)	1.3E+05
Alachlor	6.7E+02
Aldicarb	6.7E+01
Aldicarb sulfone	6.7E+01
Aldrin	5.9E-01
Allyl alcohol	2.9E+00
Allyl chloride	7.8E+00
Aluminum	6.4E+04
Ametryn	6.0E+02
Amino-2,6-dinitrotoluene, 4-	1.1E+01
Amino-4,6-dinitrotoluene, 2-	1.1E+01
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	
Aminopyridine, 4-	1.3E+00
Ammonia	7.9E+02
Ammonium polyphosphate*	
Ammonium salts*	
Aniline	5.9E+01
Anthracene	1.8E+04
Anthraquinone, 9,10-	1.3E+03
Antimony	1.5E+01
Aramite	2.4E+03
Arsenic	2.4E+01
Arsine	3.9E-01
Asbestos ²	
Atrazine	2.3E+03
Azinphos-methyl (guthion)	1.0E+02
Azobenzene	
Barium	8.1E+03
Bayleton	2.0E+03

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Benefin (benfluralin)	1.9E+04
Benomyl	3.3E+03
Benz-a-anthracene	
Benzaldehyde	8.2E+03
Benzene	2.9E+02
Benzenedicarbonitrile, 1,3-	4.0E+02
Benzenedicarboxylic acid, 1,2-disodecyl ester	3.3E+03
Benzenethiol	8.2E+01
Benzidine	2.0E+02
Benzo-a-pyrene	
Benzo-b-fluoranthene	
Benzo-e-pyrene	1.8E+03
Benzo-g,h,i-perylene	1.8E+03
Benzoic acid	2.7E+05
Benzo-j-fluoranthene	
Benzo-k-fluoranthene	
Benzophenone	4.5E+02
Benzotrichloride	
Benzoyl peroxide	3.3E+03
Benzyl alcohol	6.7E+03
Benzyl chloride	1.4E+01
Benzyl dichloride	2.3E+01
Beryllium	3.8E+01
Biphenyl, 1,1'-	3.3E+03
Biphenyl, 1,1'-, 2-phenoxy-	3.9E+03
Biquinoline, 2,2'-	1.8E+02
Bis (2-chloroethoxy) methane	2.0E+02
Bis (2-chloroethyl) ether	
Bis (2-chloroisopropyl) ether	2.7E+03
Bis (2-chloromethyl) ether	
Bis (2-ethyl-hexyl) phthalate	2.7E+02
Bismuth	3.7E+04
Bisphenol A	3.3E+03
Boron	1.6E+04
Bromacil	6.7E+03
Bromo-2-chloroethane, 1-	3.3E+03
Bromobenzene	2.8E+02
Bromodichloromethane	1.6E+03
Bromoform	1.6E+03
Bromomethane	2.9E+01
Bromophenyl phenylether, 4-	
Butadiene, 1,3-	2.6E+02
Butadiene, 2-methyl-1,3- (isoprene)	4.7E+03
Butanal (butyraldehyde)	4.9E+03
Butane, 2,3-dimethyl-	4.7E+03
Butanoic acid (butyric acid)	6.6E+01
Butanol, 1-, 2-Me-	8.2E+02
Butanol, 2-	1.3E+05

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Butanol, 2-methyl-2-	8.2E+02
Butanol, n-	8.2E+03
Butene, 1-	4.7E+03
Butene, cis-2-	4.7E+03
Butene, trans-2-	4.7E+03
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)	6.4E+03
Butyl acetate	3.8E+03
Butyl acrylate	7.4E+02
Butyl benzyl phthalate	1.0E+04
Butyl ether, n- (dibutyl ether)	8.2E+03
Butyl methacrylate	7.4E+03
Butylate	3.3E+03
Butylbenzene, n-	3.3E+03
Butylbenzene, sec-	3.3E+03
Butylbenzene, tert-	3.3E+03
Cacodylic acid	2.0E+02
Cadmium	5.2E+01
Calcium*	
Caprolactam	3.3E+04
Captan	8.7E+03
Carbaryl	6.7E+03
Carbazole	
Carbofuran	3.3E+02
Carbon disulfide	3.3E+03
Carbon tetrachloride	2.3E+02
Carbophenothion	8.2E+02
Carbosulfan	4.3E+02
Carboxin	6.7E+03
Chloral	8.2E+03
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	6.7E+03
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	1.0E+03
Chlordane (technical)	2.0E+01
Chlordane, cis- (alpha chlordane)	3.2E+01
Chlordane, gamma	2.3E+01
Chlorfenvinphos	9.6E+00
Chloride*	
Chlorine	1.2E+00
Chloro-1,3-butadiene, 2-	1.6E+02
Chloro-2-propanol, 1-	1.6E+03
Chloro-3-methylphenol, 4-	3.3E+02
Chloroaniline, p-	2.7E+02
Chlorobenzene	3.2E+02
Chlorobenzilate	1.3E+03
Chlorobromomethane (bromochloromethane)	3.3E+03
Chlorodifluoromethane	3.9E+05
Chloroethane (ethyl chloride)	2.3E+04
Chloroethanol, 2-	3.3E+04
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	2.3E+00

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Chloroform	4.0E+02
Chlorohexane, 1-	2.3E+03
Chloromethane (methyl chloride)	7.1E+02
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	4.6E+03
Chloronaphthalene, 2- (chloronaphthalene, beta)	5.0E+03
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	2.2E+01
Chlorophenol, 2-	4.1E+02
Chlorophenol, 3-	3.3E+02
Chlorophenol, 4-	3.3E+02
Chlorophenyl phenylether, 4-	
Chloropropane, 2-	6.0E+02
Chlorothalonil	1.0E+03
Chlorotoluene, o- (2-chlorotoluene)	1.1E+03
Chlorotoluene, p- (4-chlorotoluene)	1.6E+03
Chlorpyrifos	1.3E+02
Chromium (III)	2.7E+04
Chromium (total)	2.7E+04
Chromium (VI)	1.2E+02
Chrysene	
Cobalt	2.1E+01
Copolymer acrylamide	1.3E+01
Copper	5.5E+02
Coronene	1.3E+02
Coumaphos	4.3E+02
Cresol	3.3E+03
Cresol, m- (3-methylphenol)	3.3E+03
Cresol, o- (2-methylphenol)	3.3E+03
Cresol, p- (4-methylphenol)	3.3E+02
Crotonaldehyde	8.2E+01
Cumene (isopropylbenzene)	3.0E+03
Cyanazine	1.3E+02
Cyanide	4.8E+01
Cyanogen	5.9E+00
Cycloate	3.7E+03
Cyclohexane	4.2E+04
Cyclohexanol	3.3E+05
Cyclohexanone	1.7E+04
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)	1.1E+03
Cyclohexene-1-methanol, 3-	1.6E+03
Cyclopentane	4.8E+03
Cyclopentane, methyl-	4.0E+03
Cyclopentene	4.1E+05
Cyclotetramethylenetetranitramine (HMX)	1.6E+03
Cyclotrimethylenetrinitramine (RDX)	2.0E+02
Cymene (isopropyltoluene)	8.2E+03
Cymoxanil	8.7E+02
Dacthal (DCPA)	6.2E+02
Dalapon, sodium salt (2,2-dichloropropanoic acid)	2.0E+03

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
DDD	
DDE	
DDT	1.9E+01
Demeton	2.7E+00
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	2.7E+03
Diallate	
Diazinon	2.1E+01
Dibenz(a,h)acridine	
Dibenz(a,j)acridine	
Dibenz-a,h-anthracene	
Dibenzo(a,e)pyrene	
Dibenzo(a,h)pyrene	
Dibenzo(a,i)pyrene	
Dibenzofuran	2.7E+02
Dibenzothiophene	1.9E+02
Dibromo-3-chloropropane, 1,2-	3.2E+00
Dibromochloromethane (chlorodibromomethane)	1.6E+03
Dibromofluoromethane	1.6E+04
Dicamba	2.0E+03
Dichlormid	1.7E+03
Dichloro-2-butene, 1,4-	
Dichloro-2-butene, 1,4- trans	
Dichlorobenzene, 1,2-	3.9E+02
Dichlorobenzene, 1,3-	6.2E+01
Dichlorobenzene, 1,4-	1.3E+03
Dichlorobenzidine, 3,3-	
Dichlorobutane, 2,3-	5.2E+01
Dichlorodifluoromethane	7.5E+02
Dichloroethane, 1,1-	8.8E+03
Dichloroethane, 1,2-	5.0E+01
Dichloroethylene, 1,1-	1.6E+03
Dichloroethylene, cis-1,2-	1.2E+02
Dichloroethylene, trans-1,2	3.7E+02
Dichlorofluoromethane	1.6E+04
Dichlorophenol, 2,3-	2.0E+02
Dichlorophenol, 2,4-	2.0E+02
Dichlorophenol, 2,5-	2.0E+02
Dichlorophenol, 2,6-	6.7E+01
Dichlorophenol, 3,4-	2.0E+02
Dichlorophenol, 3,5-	2.0E+02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	5.3E+02
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	7.3E+02
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	6.7E+02
Dichloropropane, 1,2-	3.1E+01
Dichloropropane, 1,3-	1.4E+02
Dichloropropane, 2,2-	3.1E+01
Dichloropropanol, 2,3-	2.0E+02
Dichloropropene, 1,1-	1.5E+02

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Dichloropropene, 1,3- (mixed isomers)	1.5E+02
Dichloropropene, cis 1,3-	7.8E+00
Dichloropropene, trans 1,3-	1.5E+02
Dichlorvos	3.3E+01
Dicrotophos (bidrin)	6.7E+00
Dicyclopentadiene	6.6E+02
Dieldrin	2.2E+00
Diethanolamine	3.3E+01
Diethyl phthalate	5.3E+04
Diethylene glycol	1.3E+05
Diethylene glycol monobutyl ether	1.0E+01
Diethylhexyl adipate	4.0E+04
Diethylstilbestrol	
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	1.2E+03
Diisopropylbenzene, p-	8.2E+02
Diisopropyl ether (2,2'-oxybis-propane)	3.3E+03
Dimethenamid	1.0E+03
Dimethoate	1.3E+01
Dimethoxybenzidine, 3,3'-	
Dimethylphenethylamine, alpha, alpha-	1.3E+02
Dimethyl phenol, 2,4-	1.3E+03
Dimethylaminoazobenzene, p-	6.4E-01
Dimethylbenz-a-anthracene, 7,12-	
Dimethylbenzidine, 3,3'-	
Dimethylnaphthalene, 1,3-	2.3E+03
Dimethylphthalate	5.3E+04
Di-n-butyl phthalate	6.2E+03
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	6.7E+00
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	6.7E+00
Dinitrobenzene, 1,4-	6.7E+00
Dinitrophenol, 2,4-	1.3E+02
Dinitrophenol, 2,5-	1.3E+02
Dinitrotoluene, 2,4-	1.3E+02
Dinitrotoluene, 2,6-	6.7E+01
Di-n-octyl phthalate	2.6E+03
Dinoseb	6.7E+01
Dioxane 1,4-	2.4E+03
Dioxins/furans, polychlorinated; (reported as 2,3,7,8-TCDD TEQ)	1.0E-03
Diphenylamine	1.7E+03
Diphenylhydrazine, 1,2-	
Dipropylene glycol	8.0E+03
Diquat	1.5E+02
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	6.7E+02
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	6.7E+02
Disulfoton	2.7E+00
Diuron	1.3E+02
Dodecylphenol, 4-	3.3E+03
Dodecylphenol, 4-	3.3E+03

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Endosulfan	4.0E+02
Endosulfan I	9.1E+01
Endosulfan II	2.7E+02
Endosulfan sulfate	3.8E+02
Endothall	1.3E+03
Endrin	9.0E+00
Endrin aldehyde	1.9E+01
Endrin ketone	1.9E+01
Epichlorohydrin	1.3E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	6.7E-01
Esfenvalerate	7.4E+01
Ethalfuralin (sonolan)	2.5E+03
Ethanol	2.7E+06
Ethanol, 2-amino-	1.4E+02
Ethanol, 2-(2-aminoethoxy)-	4.1E+01
Ethanol, 2-(2-ethoxyethoxy)-	1.6E+05
Ethanol, 2-(methylamino)-	9.4E+02
Ethion	2.7E+01
Ethoprop	6.7E+00
Ethoxy ethanol, 2-	1.5E+03
Ethyl acetate	7.4E+04
Ethyl acrylate	
Ethyl benzene	5.3E+03
Ethyl dipropylthiocarbamate, S-	1.7E+03
Ethyl ether	1.6E+04
Ethyl methacrylate	2.4E+03
Ethyl methanesulfonate	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	7.9E+01
Ethyl-1-hexanol, 2-	1.0E+04
Ethyl-2-hexenal, 2-	1.2E+04
Ethyl-2-methyl benzene, 1-	2.1E+03
Ethyl-4-methyl benzene, 1-	1.9E+03
Ethylene*	
Ethylene dibromide (dibromoethane, 1,2-)	1.0E+02
Ethylene glycol	1.3E+05
Ethylene oxide	
Ethylene thiourea	5.3E+00
Ethylenediamine	7.4E+03
Ethylenimine	
Ethylhexyl acrylate, 2-	
Famphur	2.0E+00
Fensulfothion	6.7E+01
Fenthion	4.7E+00
Fluoranthene	2.3E+03
Fluorene	2.3E+03
Fluorine (soluble fluoride)	4.8E+03
Fluorochloridone	5.0E+02
Fonofos	1.3E+02

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Formaldehyde	4.9E+02
Formic acid	1.1E+02
Furan	8.2E+01
Furfural	2.5E+02
Glycidylaldehyde	2.3E+01
Glyphosate	6.7E+03
Heptachlor	7.1E+00
Heptachlor epoxide	5.4E-01
Heptane, n-	4.7E+03
Heptanoic acid, n-	6.3E+01
Hexachlorobenzene	2.9E+01
Hexachlorobutadiene	6.7E+01
Hexachlorocyclohexane, alpha (alpha-BHC)	2.7E+02
Hexachlorocyclohexane, beta (beta-BHC)	
Hexachlorocyclohexane, delta (delta-BHC)	2.2E+01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	9.2E+00
Hexachlorocyclohexane, techn (technical-BHC)	
Hexachlorocyclopentadiene	7.2E+00
Hexachloroethane	4.6E+01
Hexachlorophene	2.0E+01
Hexachloropropylene	6.7E+01
Hexanal, 2-ethyl-	1.0E+04
Hexane, n-	2.5E+03
Hexanediamine, 1,6-	4.1E+02
Hexanedinitrile	9.3E+01
Hexanediol, 1,6-	2.8E+05
Hexanoic acid	6.9E+01
Hexanone, 2-	2.1E+02
Hexazinone	2.2E+03
Hexene, 1-	8.4E+02
Hexene, cis-2-	8.4E+02
Hexylene glycol (2-methyl-2,4-pentanediol)	2.0E+04
Hydrazine	1.5E+00
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)	8.1E+01
Hydrogen chloride (hydrochloric acid)*	
Hydroquinone	2.7E+03
Indene	5.6E+01
Indeno-1,2,3-cd-pyrene	
Iron*	
Isoamyl alcohol	4.1E+02
Isobutyl alcohol	2.5E+04
Isobutylene (2-methyl-1-propene)	8.7E+05
Isobutyric acid (2-methylpropanoic acid)	3.3E+04
Isodecanol	7.1E+01
Isodrin	2.0E-01
Isopentane	4.8E+03
Isophorone	1.3E+04
Isopropyl acetate	5.7E+03

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Isopropyl alcohol	1.6E+04
Isosafrole	
Kelthane (dicofol)	2.7E+02
Kepone (chlordecone)	1.7E+01
Lead (inorganic)	5.0E+02
Leptophos	1.7E-01
Limonene, d-*	
Lithium	1.3E+02
Magnesium*	
Malathion	9.6E+01
Maleic anhydride	6.7E+03
Maleic hydrazide	3.3E+04
Malononitrile	6.7E+00
Mancozeb	2.0E+03
Manganese	3.4E+03
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	3.3E+01
MCPA (2-(4-chloro-2-methylphenoxy) propanoic acid)	6.7E+01
MCPA (2-(4-chloro-2-methylphenoxy) propanoic acid)	6.7E+01
MCPA (2-(4-chloro-2-methylphenoxy) propanoic acid)	6.7E+01
Mercuric chloride (pH = 4.9)	2.1E+00
Mercuric chloride (pH = 6.8)	5.5E+00
Mercury (pH = 4.9) ¹	2.1E+00
Merphos	2.0E+00
Methacrylic acid (2-methyl-2-propenoic acid)	8.2E+02
Methacrylonitrile	8.2E+00
Methanol	4.1E+04
Methapyrilene	
Methomyl	1.7E+03
Methoxychlor	2.7E+02
Methoxyethanol, 2-	1.1E+02
Methyl acetate (acetic acid, methyl ester)	8.2E+04
Methyl acrylate	1.6E+02
Methyl amyl ketone (2-heptanone)	3.8E+03
Methyl chrysene, 1-	
Methyl chrysene, 2-	
Methyl chrysene, 6-	
Methyl cyclohexane	2.2E+04
Methyl ethyl ketone (2-butanone)	3.3E+04
Methyl iodide (iodomethane)	1.1E+02
Methyl isobutyl ketone (4-methyl-2-pentanone)	5.4E+03
Methyl mercury	8.0E+00
Methyl methacrylate	5.3E+03
Methyl methanesulfonate	
Methyl parathion	1.7E+01
Methyl-1-butene, 2-	4.7E+03
Methyl-1-propanal, 2- (isobutyraldehyde)	3.3E+03
Methyl-2-butene, 2-	4.7E+03
Methyl-2-pentenal, 2-	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	
Methylcholanthrene, 3-	
Methylene bromide (dibromomethane)	4.2E+01
Methylene chloride (dichloromethane)	4.7E+02
Methylene-bis (2-chloroaniline) 4,4'-	1.3E+02
Methylmercury hydroxide	6.7E+00
Methylnaphthalene, 1-	4.4E+03
Methylnaphthalene, 2-	2.5E+02
Methylpyrrolidone, N-	1.3E+03
Methylstyrene, alpha-	1.8E+02
Methyltetrahydrofuran, 2-	1.6E+04
Methyltetrahydropyran, 2-	1.6E+04
Metolachlor	1.0E+04
Metribuzin	1.7E+03
Mirex	1.3E+01
Molinate	1.3E+02
Molybdenum	1.6E+02
Monocrotophos	4.0E+01
Morpholine	4.1E+07
Morpholine, N-butyl-	1.9E+02
MTBE (methyl tert-butyl ether)	7.9E+02
Naled	1.3E+02
Naphthalene	1.2E+02
Naphthoquinone, 1,4-	4.7E+02
Naphthylamine, 1-	1.3E+03
Naphthylamine, 2-	
Napropamide	6.7E+03
Neopentyl glycol	2.0E+04
Nickel and compounds	8.4E+02
Nitrate	1.3E+05
Nitrite	8.0E+03
Nitroaniline, 2-	1.1E+01
Nitroaniline, 3-	1.2E+01
Nitroaniline, 4-	1.9E+02
Nitrobenzene	1.1E+02
Nitroglycerin	6.7E+00
Nitrophenol, 2-	1.3E+02
Nitrophenol, 3-	1.3E+02
Nitrophenol, 4-	1.3E+02
Nitropropane, 2-	1.1E+01
Nitroquinoline-N-oxide, 4-	
Nitrosodiethanolamine	
Nitrosodiethylamine, n-	
Nitrosodimethylamine, n-	5.2E-01
Nitrosodi-n-butylamine, n-	
Nitrosodi-n-propylamine, n-	
Nitrosodiphenylamine	
Nitroso-methyl-ethyl-amine, n-	

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Nitrosomorpholine, N-	
Nitroso-n-ethylurea, n-	
Nitrosopiperidine, N-	
Nitrosopyrrolidine, n-	
Nitrotoluene, m-	6.7E+02
Nitrotoluene, o-	6.0E+01
Nitrotoluene, p-	2.7E+02
Nonachlor, cis-	1.9E+01
Nonachlor, trans-	1.9E+01
Nonanal	1.3E+04
Nonene, 1-n	8.2E+03
Nonylphenol	6.5E+03
Nonylphenol	6.5E+03
Nonylphenol	6.5E+03
Nonylphenol ethoxylate	8.0E+03
Octamethylpyrophosphoramidate	1.3E+02
Octanone	4.9E+03
Oxamyl	1.7E+03
Oxychlorane	1.9E+01
Paraquat	3.0E+02
Parathion (ethyl parathion)	4.0E+02
Pebulate	3.3E+03
Pendimethalin	2.5E+03
Pentachlorobenzene	5.3E+01
Pentachloroethane	2.5E+03
Pentachloronitrobenzene	1.4E+02
Pentachlorophenol	3.6E+01
Pentadiene, 1,3-cis-	4.7E+03
Pentadiene, 1,3-trans-	4.7E+03
Pentaerythritol tetranitrate (PETN)	1.3E+02
Pentane	4.4E+04
Pentane, 2-methyl-	4.7E+03
Pentane, 3-methyl-	4.7E+03
Pentanediol, 1,5-	2.7E+05
Pentanol, 1-	2.7E+03
Pentanol, 4-methyl-2-	2.1E+03
Pentanone, 2-	3.3E+03
Pentene, 2-	4.7E+03
Pentyne, 1-	4.7E+03
Perchlorate	5.1E+01
Perylene	1.3E+03
Phenacetin	
Phenanthrene	1.7E+03
Phenanthridine	2.0E+02
Phenol	2.0E+04
Phenol, 4-tert-butyl-	3.3E+02
Phenothiazine	2.9E+01
Phenyl mercuric acetate	5.3E+00

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Phenylene diamine, m-	4.0E+02
Phenylene diamine, p-	1.3E+04
Phorate	1.3E+01
Phosalone	1.3E+02
Phosdrin (mevinphos)	1.7E+00
Phosmet	1.3E+03
Phosphine	2.1E+00
Phosphorotriethioic acid, S,S,S-tributyl ester	7.8E+01
Phosphorus, total*	
Phosphorus, white	1.5E+00
Phthalic anhydride	2.1E+04
Picloram	4.7E+03
Picoline, 2- (2-methylpyridine)	7.4E+02
Polybrominated biphenyls (PBBs)	1.6E-02
Polychlorinated biphenyls (PCBs)	1.1E+00
Potassium*	
Primene	3.6E+02
Prometon (pramitol)	1.0E+03
Pronamide	5.0E+03
Propanal (propionaldehyde)	5.8E+01
Propane, 1-bromo-	2.9E+03
Propanil	3.3E+02
Propanoic acid (propionic acid)	4.1E+04
Propanol, 1-	1.6E+04
Propargite	1.3E+03
Propargyl alcohol	1.6E+02
Propazine	1.3E+03
Propham	1.3E+03
Propionitrile (propane nitrile)	3.3E+01
Propyl acetate, n-	7.4E+03
Propylbenzene, n-	1.6E+03
Propylene glycol	1.9E+02
Propylene glycol monomethyl ether	3.9E+04
Propylene oxide	2.4E+02
Propylene tetramer	3.6E+03
Prothiofos (Tokuthion)	6.6E+00
Pyrene	1.7E+03
Pyridine	8.2E+01
Quinoline	
Ronnel	2.3E+03
Safrole	
Selenium	3.1E+02
Selenourea	4.1E+02
Silver	9.7E+01
Simazine	3.3E+02
Sodium*	
Sodium diethyldithiocarbamate	2.5E+03
Sodium hypochlorite	1.4E+04

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Sodium polyacrylate	6.2E+01
Strontium	4.4E+04
Strychnine	2.0E+01
Styrene	4.3E+03
Sulfate*	
Sulfide*	
Sulfolane	2.9E+02
Sulfur*	
Sulprofos (Bolstar)	2.0E+02
Tebuconazole	2.0E+03
Tebuthiuron	4.7E+03
Terbufos	1.7E+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-	2.0E+01
Tetrachlorobenzene, 1,2,3,5-	1.3E+01
Tetrachlorobenzene, 1,2,4,5-	2.0E+01
Tetrachloroethane, 1,1,1,2-	2.5E+03
Tetrachloroethane, 1,1,2,2-	1.6E+03
Tetrachloroethylene	4.2E+02
Tetrachlorophenol, 2,3,4,5-	4.0E+02
Tetrachlorophenol, 2,3,4,6-	1.8E+02
Tetrachlorophenol, 2,3,5,6-	2.3E+01
Tetrachlorvinphos (Stiropfos)	2.6E+03
Tetradifon	1.0E+03
Tetraethyl dithiopyrophosphate (sulfotep)	3.3E+01
Tetraethyl lead	6.7E-03
Tetraethyl pyrophosphate (TEPP)	7.3E-01
Tetraethylene glycol	2.2E+04
Tetrahydrofuran	1.3E+04
Tetrahydropyran	1.6E+04
Tetraoxadodecane, 2,5,8,11-	2.0E+03
Thallium and compounds (as thallium chloride)	6.3E+00
Thiofanox	2.0E+01
Thionazin	4.7E+00
Thiophanate-methyl	5.3E+03
Thiram	3.3E+02
Tin	3.5E+04
Titanium	2.2E+05
Toluene	5.4E+03
Toluene diisocyanate, 2,4/2,6-	7.5E+01
Toluenediamine, 2,4-	
Toluenediamine, 2,6-	2.0E+03
Toluidine, o-	
Toluidine, p-	
Toxaphene	
TPH, TX1005, C6-C12	1.1E+03

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
TPH, TX1005, >C12-C28	2.0E+03
TPH, TX1005, >C12-C35	2.0E+03
TPH, TX1005, >C28-C35	2.0E+03
TP Silvex, 2,4,5-	5.3E+02
Triademenol	2.0E+03
Triallate	3.2E+02
Triaminotrinitrobenzene (TATB)	2.0E+02
Tributyltin oxide	2.0E+01
Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.2E+05
Trichlorobenzene, 1,2,3-	8.7E+01
Trichlorobenzene, 1,2,4-	7.0E+01
Trichlorobenzene, 1,3,5-	4.9E+01
Trichloroethane, 1,1,1-	3.2E+04
Trichloroethane, 1,1,2-	3.3E+02
Trichloroethylene	1.1E+01
Trichlorofluoromethane	2.5E+04
Trichloronate	1.4E+02
Trichlorophenol, 2,3,4-	6.7E+03
Trichlorophenol, 2,3,5-	6.7E+03
Trichlorophenol, 2,3,6-	5.3E+02
Trichlorophenol, 2,4,5-	6.7E+03
Trichlorophenol, 2,4,6-	6.7E+01
Trichlorophenol, 3,4,5-	6.7E+03
Trichlorophenoxyacetic acid, 2,4,5-	6.7E+02
Trichloropropane, 1,1,2-	2.4E+00
Trichloropropane, 1,2,3-	7.0E+00
Triethanolamine	1.3E+04
Triethylamine	5.5E+01
Triethylene glycol	2.0E+05
Triethylphosphorothioate, O, O, O-	5.5E-01
Trifluralin	3.0E+02
Trimethylamine	7.6E+01
Trimethylbenzene, 1,2,3-	6.1E+01
Trimethylbenzene, 1,2,4-	7.9E+01
Trimethylbenzene, 1,3,5-	5.9E+01
Trinitrobenzene, 1,3,5-	2.0E+03
Trinitrophenylmethylnitramine (tetryl; nitramine)	2.7E+02
Trinitrotoluene, 2,4,6-	3.3E+01
Uranium (soluble salts)	2.2E+02
Valeric acid (pentanoic acid)	6.8E+01
Vanadium	7.5E+01
Vernam	6.7E+01
Vinyl acetate	1.5E+03
Vinyl chloride	1.6E+02
Vinylcyclohexane	4.1E+04
Warfarin	2.0E+01
Xylene, m-	4.7E+03
Xylene, o-	2.9E+04

Table 4
Combined Tier 1 Soil PCLs
Residential
June 29, 2012

Chemical of Concern	ption pathways)
	30 acre source area Noncarcinogenic (mg/kg)
Xylene, p-	4.7E+03
Xylenes	3.7E+03
Zinc	9.9E+03
6 C aliphatics (TPH)	2.5E+03
>6-8 C aliphatics (TPH)	2.5E+03
>8-10 C aliphatics (TPH)	2.7E+03
>10-12 C aliphatics (TPH)	2.5E+03
>12-16 C aliphatics (TPH)	3.2E+03
>16-21 C aliphatics (TPH)	3.2E+03
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil re	1.1E+05
>7-8 C aromatics (TPH)	5.3E+03
>8-10 C aromatics (TPH)	1.1E+03
>10-12 C aromatics (TPH)	1.5E+03
>12-16 C aromatics (TPH)	2.0E+03
>16-21 C aromatics (TPH)	1.9E+03
>21-35 C aromatics (TPH)	1.9E+03
Footnotes	
¹ Note that much higher PCLs for mercury may be obtained using a pe:30 TAC §350.73(e)(1)(C)).	
² Asbestos URF and soil PCLs removed. Contact your TCEQ Project	
*These compounds, acetic acid, ammonium polyphosphate, ammoniochloric acid), iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulhuman health standpoint, therefore calculation of human health-based values is nostill apply. See table entitled "Compounds for which Calculation of a Human Health PCL http://www.tceq.texas.gov/remediation/trrp/trrp.html .	
All values capped at 1E+06	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathway)		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Acenaphthene		3.7E+04	
Acenaphthylene		3.7E+04	
Acetaldehyde	2.9E+02	2.0E+02	1.5E+02
Acetate, 2-ethoxyethanol		7.8E+03	
Acetate, isoamyl		7.4E+04	
Acetate, isobutyl		4.9E+04	
Acetate, sec-butyl		4.9E+04	
Acetic acid*			
Acetone (2-propanone)		4.4E+05	
Acetone cyanohydrin		1.5E+03	
Acetonitrile		1.7E+03	
Acetophenone		6.8E+04	
Acetylaminofluorene, 2-	4.3E+00		3.8E+00
Acifluorfen, sodium		8.9E+03	
Acridine		2.0E+03	
Acrolein		3.7E+01	
Acrylamide	2.1E+01	5.8E+02	1.5E+01
Acrylic acid		1.7E+02	
Acrylonitrile	7.6E+00	4.1E+01	4.2E+00
Adipic acid (hexanedioic acid)		1.4E+06	
Alachlor	2.4E+02	6.8E+03	2.4E+02
Aldicarb		6.8E+02	
Aldicarb sulfone		6.8E+02	
Aldrin	1.0E+00	2.0E+01	9.7E-01
Allyl alcohol		8.0E+00	
Allyl chloride		2.1E+01	
Aluminum		6.2E+05	
Ametryn		6.1E+03	
Amino-2,6-dinitrotoluene, 4-	1.9E+03	1.1E+02	1.9E+03
Amino-4,6-dinitrotoluene, 2-	1.9E+03	1.1E+02	1.9E+03
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	3.1E+00		3.1E+00
Aminopyridine, 4-		1.4E+01	
Ammonia		2.1E+03	
Ammonium polyphosphate*			
Ammonium salts*			
Aniline	3.3E+03	1.8E+02	3.3E+03
Anthracene		1.9E+05	
Anthraquinone, 9,10-	4.9E+02	1.4E+04	4.9E+02
Antimony		3.1E+02	
Aramite	7.6E+02	3.4E+04	7.6E+02
Arsenic	2.0E+02	3.3E+02	2.0E+02
Arsine		1.1E+00	
Asbestos ²			
Atrazine	8.6E+01	2.4E+04	8.6E+01
Azinphos-methyl (guthion)		1.0E+03	
Azobenzene	1.6E+02		1.5E+02
Barium		1.2E+05	
Bayleton		2.0E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Benefin (benfluralin)		2.0E+05	
Benomyl		3.4E+04	
Benz-a-anthracene	2.4E+01		2.4E+01
Benzaldehyde		1.0E+05	
Benzene	2.4E+02	2.4E+03	1.3E+02
Benzenediacarbonitrile, 1,3-		4.1E+03	
Benzenedicarboxylic acid, 1,2-disodecyl ester		4.1E+04	
Benzenethiol		1.0E+03	
Benidine	4.7E-02	2.0E+03	3.3E-02
Benzo-a-pyrene	2.4E+00		2.4E+00
Benzo-b-fluoranthene	2.4E+01		2.4E+01
Benzo-e-pyrene		1.9E+04	
Benzo-g,h,i-perylene		1.9E+04	
Benzoic acid		2.7E+06	
Benzo-j-fluoranthene	2.4E+01		2.4E+01
Benzo-k-fluoranthene	2.4E+02		2.4E+02
Benzophenone		4.6E+03	
Benzotrichloride	1.5E+00		1.5E+00
Benzoyl peroxide		3.4E+04	
Benzyl alcohol		6.8E+04	
Benzyl chloride	1.7E+02	4.2E+01	1.7E+02
Benzyl dichloride	1.1E+02	7.3E+01	1.1E+02
Beryllium	1.6E+04	2.5E+02	8.1E+03
Biphenyl, 1,1-		3.4E+04	
Biphenyl, 1,1', 2-phenoxy-		5.1E+04	
Biquinoline, 2,2'-		2.0E+03	
Bis (2-chloroethoxy) methane	9.1E+00	2.0E+03	6.2E+00
Bis (2-chloroethyl) ether	4.9E+00		2.8E+00
Bis (2-chloroisopropyl) ether	1.5E+02	2.7E+04	1.1E+02
Bis (2-chloromethyl) ether	9.0E-03		4.8E-03
Bis (2-ethyl-hexyl) phthalate	5.6E+02	5.6E+03	5.6E+02
Bismuth		4.1E+05	
Bisphenol A		3.4E+04	
Boron		1.9E+05	
Bromacil		6.8E+04	
Bromo-2-chloroethane, 1-		4.1E+04	
Bromobenzene		1.2E+03	
Bromodichloromethane	4.6E+02	2.0E+04	4.6E+02
Bromoform	1.0E+03	2.0E+04	6.0E+02
Bromomethane		1.0E+02	
Bromophenyl phenylether, 4-	1.2E+00		1.1E+00
Butadiene, 1,3-	1.2E+03	7.1E+02	6.2E+02
Butadiene, 2-methyl-1,3- (isoprene)		5.3E+04	
Butanal (butyraldehyde)		6.1E+04	
Butane, 2,3-dimethyl-		5.3E+04	
Butanoic acid (butyric acid)		1.8E+02	
Butanol, 1-, 2-Me-		1.0E+04	
Butanol, 2-		1.0E+06	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Butanol, 2-methyl-2-		1.0E+04	
Butanol, n-		1.0E+05	
Butene, 1-		5.3E+04	
Butene, cis-2-		5.3E+04	
Butene, trans-2-		5.3E+04	
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)		5.8E+04	
Butyl acetate		1.4E+04	
Butyl acrylate		9.2E+03	
Butyl benzyl phthalate	1.0E+04	1.4E+05	1.0E+04
Butyl ether, n- (dibutyl ether)		1.0E+05	
Butyl methacrylate		9.2E+04	
Butylate		3.4E+04	
Butylbenzene, n-		3.4E+04	
Butylbenzene, sec-		4.1E+04	
Butylbenzene, tert-		4.1E+04	
Cacodylic acid		2.0E+03	
Cadmium	2.1E+04	8.5E+02	1.1E+04
Calcium*			
Caprolactam		3.4E+05	
Captan	5.5E+03	8.9E+04	5.5E+03
Carbaryl		6.8E+04	
Carbazole	9.5E+02		9.5E+02
Carbofuran		3.4E+03	
Carbon disulfide		1.3E+04	
Carbon tetrachloride	8.1E+01	1.4E+03	4.6E+01
Carbophenothion		8.9E+03	
Carbosulfan		6.8E+03	
Carboxin		6.8E+04	
Chloral		1.0E+05	
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)		6.8E+04	
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)		1.0E+04	
Chlordane (technical)	6.6E+01	3.9E+02	6.4E+01
Chlordane, cis- (alpha chlordane)	5.4E+01	3.3E+02	5.4E+01
Chlordane, gamma	5.3E+01	3.1E+02	5.1E+01
Chlorfenvinphos		3.9E+01	
Chloride*			
Chlorine		3.2E+00	
Chloro-1,3-butadiene, 2-	2.0E+00	4.3E+02	1.0E+00
Chloro-2-propanol, 1-		2.0E+04	
Chloro-3-methylphenol, 4-		3.4E+03	
Chloroaniline, p-	9.5E+01	2.7E+03	9.5E+01
Chlorobenzene		1.0E+03	
Chlorobenzilate	6.3E+01	1.4E+04	5.7E+01
Chlorobromomethane (bromochloromethane)		4.1E+04	
Chlorodifluoromethane		1.1E+06	
Chloroethane (ethyl chloride)		1.4E+05	
Chloroethanol, 2-		4.1E+05	
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	2.6E+01	6.4E+00	2.6E+01

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathway)		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Chloroform	2.6E+01	1.7E+03	1.3E+01
Chlorohexane, 1-		1.4E+04	
Chloromethane (methyl chloride)	2.9E+02	1.9E+03	1.6E+02
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)		5.0E+04	
Chloronaphthalene, 2- (chloronaphthalene, beta)		5.0E+04	
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	3.0E+03	7.8E+01	3.0E+03
Chlorophenol, 2-		5.1E+03	
Chlorophenol, 3-		3.4E+03	
Chlorophenol, 4-		3.4E+03	
Chlorophenyl phenylether, 4-	9.8E-01		8.0E-01
Chloropropane, 2-		2.0E+03	
Chlorothalonil	1.7E+03	1.0E+04	1.7E+03
Chlorotoluene, o- (2-chlorotoluene)		7.8E+03	
Chlorotoluene, p- (4-chlorotoluene)		2.0E+04	
Chlorpyrifos		2.0E+03	
Chromium (III)		1.2E+05	
Chromium (total)		1.2E+05	
Chromium (VI)	3.2E+03	1.0E+03	1.6E+03
Chrysene	2.4E+03		2.4E+03
Cobalt	4.2E+03	2.8E+02	2.2E+03
Copolymer acrylamide		1.4E+02	
Copper		3.9E+04	
Coronene		1.4E+03	
Coumaphos		4.8E+03	
Cresol		3.4E+04	
Cresol, m- (3-methylphenol)		3.4E+04	
Cresol, o- (2-methylphenol)		3.4E+04	
Cresol, p- (4-methylphenol)		3.4E+03	
Crotonaldehyde	1.5E+01	1.0E+03	1.5E+01
Cumene (isopropylbenzene)		1.1E+04	
Cyanazine	2.3E+01	1.4E+03	2.3E+01
Cyanide		5.8E+02	
Cyanogen		1.7E+01	
Cycloate		3.7E+04	
Cyclohexane		1.3E+05	
Cyclohexanol		3.4E+06	
Cyclohexanone		4.9E+04	
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)		5.4E+03	
Cyclohexene-1-methanol, 3-		2.0E+04	
Cyclopentane		5.5E+04	
Cyclopentane, methyl-		1.8E+04	
Cyclopentene		5.1E+06	
Cyclotetramethylenetetranitramine (HMX)		1.2E+04	
Cyclotrimethylenetrinitramine (RDX)	1.7E+02	2.0E+03	1.7E+02
Cymene (isopropyltoluene)		1.0E+05	
Cymoxanil		8.9E+03	
Dacthal (DCPA)		6.8E+03	
Dalapon, sodium salt (2,2-dichloropropanoic acid)		2.0E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
DDD	1.0E+02		1.0E+02
DDE	7.3E+01		7.3E+01
DDT	7.1E+01	4.4E+02	6.8E+01
Demeton		2.7E+01	
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)		2.7E+04	
Diallate	3.1E+02		3.1E+02
Diazinon		7.9E+01	
Dibenz(a,h)acridine	1.6E+01		1.6E+01
Dibenz(a,j)acridine	2.4E+01		2.4E+01
Dibenz-a,h-anthracene	2.4E+00		2.4E+00
Dibenzo(a,e)pyrene	2.6E+00		2.6E+00
Dibenzo(a,h)pyrene	2.6E-01		2.6E-01
Dibenzo(a,i)pyrene	2.6E-01		2.6E-01
Dibenzofuran		2.7E+03	
Dibenzothiophene		2.0E+03	
Dibromo-3-chloropropane, 1,2-	2.6E-01	1.0E+01	1.4E-01
Dibromochloromethane (chlorodibromomethane)	3.4E+02	2.0E+04	3.4E+02
Dibromofluoromethane		2.0E+05	
Dicamba		2.0E+04	
Dichlormid		1.7E+04	
Dichloro-2-butene, 1,4-	3.3E-01		1.7E-01
Dichloro-2-butene, 1,4- trans	3.4E-01		1.8E-01
Dichlorobenzene, 1,2-		1.1E+03	
Dichlorobenzene, 1,3-		1.7E+02	
Dichlorobenzene, 1,4-	1.2E+03	3.4E+03	1.2E+03
Dichlorobenzidine, 3,3-	4.2E+01		4.2E+01
Dichlorobutane, 2,3-		1.5E+02	
Dichlorodifluoromethane		2.1E+03	
Dichloroethane, 1,1-		4.1E+04	
Dichloroethane, 1,2-	2.2E+01	1.5E+02	1.1E+01
Dichloroethylene, 1,1-		6.4E+03	
Dichloroethylene, cis-1,2-		7.9E+02	
Dichloroethylene, trans-1,2		1.2E+03	
Dichlorofluoromethane		2.0E+05	
Dichlorophenol, 2,3-		2.0E+03	
Dichlorophenol, 2,4-		2.0E+03	
Dichlorophenol, 2,5-		2.0E+03	
Dichlorophenol, 2,6-		6.8E+02	
Dichlorophenol, 3,4-		2.0E+03	
Dichlorophenol, 3,5-		2.0E+03	
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)		5.5E+03	
Dichlorophenoxyacetic acid, 2,4- (2,4-D)		8.2E+03	
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)		6.8E+03	
Dichloropropane, 1,2-	4.2E+02	8.6E+01	4.2E+02
Dichloropropane, 1,3-	9.9E+01	4.2E+02	6.1E+01
Dichloropropane, 2,2-	4.2E+02	8.6E+01	4.2E+02
Dichloropropanol, 2,3-		2.0E+03	
Dichloropropene, 1,1-	9.9E+01	4.2E+02	6.1E+01

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Dichloropropene, 1,3- (mixed isomers)	9.9E+01	4.2E+02	6.1E+01
Dichloropropene, cis 1,3-	5.3E+01	8.3E+01	5.3E+01
Dichloropropene, trans 1,3-	9.9E+01	4.2E+02	6.1E+01
Dichlorvos	6.6E+01	3.4E+02	6.6E+01
Dicrotophos (bidrin)		6.8E+01	
Dicyclopentadiene		8.2E+03	
Dieldrin	1.2E+00	3.4E+01	1.1E+00
Diethanolamine		3.4E+02	
Diethyl phthalate		5.5E+05	
Diethylene glycol		1.4E+06	
Diethylene glycol monobutyl ether		2.8E+01	
Diethylhexyl adipate	1.6E+04	4.1E+05	1.6E+04
Diethylstilbestrol	4.1E-03		4.1E-03
Diisobutylene (trimethyl-1-pentene, 2,4,4-)		4.0E+03	
Diisopropylbenzene, p-		1.0E+04	
Diisopropyl ether (2,2'-oxybis-propane)		1.3E+04	
Dimethenamid		1.0E+04	
Dimethoate		1.4E+02	
Dimethoxybenzidine, 3,3'-	1.4E+03		1.4E+03
Dimethylphenethylamine, alpha, alpha-		1.4E+03	
Dimethyl phenol, 2,4-		1.4E+04	
Dimethylaminoazobenzene, p-		6.8E+00	
Dimethylbenz-a-anthracene, 7,12-	6.9E-02		6.9E-02
Dimethylbenzidine, 3,3'-	1.7E+00		1.7E+00
Dimethylnaphthalene, 1,3-		2.5E+04	
Dimethylphthalate		5.5E+05	
Di-n-butyl phthalate		6.8E+04	
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)		6.8E+01	
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)		6.8E+01	
Dinitrobenzene, 1,4-		6.8E+01	
Dinitrophenol, 2,4-		1.4E+03	
Dinitrophenol, 2,5-		1.4E+03	
Dinitrotoluene, 2,4-	2.8E+01	1.4E+03	2.8E+01
Dinitrotoluene, 2,6-	2.8E+01	6.8E+02	2.8E+01
Di-n-octyl phthalate		2.7E+04	
Dinoseb		6.8E+02	
Dioxane 1,4-	2.9E+02	2.6E+04	2.9E+02
TEQ)	1746-01-6		5.0E-03
Diphenyl ether		4.2E+03	
Diphenylamine		1.7E+04	
Diphenylhydrazine, 1,2-	2.2E+01		2.0E+01
Dipropylene glycol		8.2E+04	
Diquat		1.5E+03	
Disodium iminodiacetate (iminodiacetic acid, disodium salt)		6.8E+03	
Disulfoton		2.7E+01	
Diuron		1.4E+03	
Dodecylphenol, 4-		3.4E+04	
Dodecylphenol, 4-		3.4E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Endosulfan		4.1E+03	
Endosulfan I		1.4E+03	
Endosulfan II		4.1E+03	
Endosulfan sulfate		4.1E+03	
Endothall		1.4E+04	
Endrin		2.0E+02	
Endrin aldehyde		2.0E+02	
Endrin ketone		2.0E+02	
Epichlorohydrin	6.6E+02	3.7E+01	3.8E+02
EPN (o-ethyl-o-(4-nitrophenyl)phenylphosphonothioate)		6.8E+00	
Esfenvalerate		1.4E+03	
Ethalfuralin (sonolan)	2.1E+02	2.7E+04	2.1E+02
Ethanol		3.4E+07	
Ethanol, 2-amino-		1.7E+03	
Ethanol, 2-(2-aminoethoxy)-		5.1E+02	
Ethanol, 2-(2-ethoxyethoxy)-		2.0E+06	
Ethanol, 2-(methylamino)-		5.8E+03	
Ethion		3.4E+02	
Ethoprop	6.8E+02	6.8E+01	6.8E+02
Ethoxy ethanol, 2-		4.3E+03	
Ethyl acetate		9.2E+05	
Ethyl acrylate	6.0E+02		6.0E+02
Ethyl benzene		2.9E+04	
Ethyl dipropylthiocarbamate, S-		1.7E+04	
Ethyl ether		2.0E+05	
Ethyl methacrylate		8.9E+03	
Ethyl methanesulfonate	9.8E+01		6.7E+01
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)		8.8E+02	
Ethyl-1-hexanol, 2-		1.0E+05	
Ethyl-2-hexenal, 2-		1.5E+05	
Ethyl-2-methyl benzene, 1-		9.6E+03	
Ethyl-4-methyl benzene, 1-		8.4E+03	
Ethylene*			
Ethylene dibromide (dibromoethane, 1,2-)	1.5E+00	3.0E+02	7.9E-01
Ethylene glycol		1.4E+06	
Ethylene oxide	5.0E+00		2.8E+00
Ethylene thiourea	1.7E+02	5.5E+01	1.7E+02
Ethylenediamine		9.2E+04	
Ethylenimine	1.5E-01		9.0E-02
Ethylhexyl acrylate, 2-	4.0E+02		4.0E+02
Famphur		2.0E+01	
Fensulfothion		6.8E+02	
Fenthion		4.8E+01	
Fluoranthene		2.5E+04	
Fluorene		2.5E+04	
Fluorine (soluble fluoride)		5.8E+04	
Fluorochloridone		5.1E+03	
Fonofos		1.4E+03	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Formaldehyde		1.4E+03	
Formic acid		3.0E+02	
Furan		1.0E+03	
Furfural		3.1E+03	
Glycidylaldehyde		1.4E+02	
Glyphosate		6.8E+04	
Heptachlor	3.3E+00	3.4E+02	2.8E+00
Heptachlor epoxide	2.0E+00	8.9E+00	1.9E+00
Heptane, n-		5.3E+04	
Heptanoic acid, n-		1.7E+02	
Hexachlorobenzene	8.7E+00	5.5E+02	6.9E+00
Hexachlorobutadiene	4.1E+01	6.8E+02	2.3E+01
Hexachlorocyclohexane, alpha (alpha-BHC)	3.3E+00	6.8E+03	2.9E+00
Hexachlorocyclohexane, beta (beta-BHC)	1.2E+01		1.1E+01
Hexachlorocyclohexane, delta (delta-BHC)	1.2E+01	2.6E+02	1.2E+01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	1.8E+01	2.6E+02	1.8E+01
Hexachlorocyclohexane, techn (technical-BHC)	1.2E+01		1.1E+01
Hexachlorocyclopentadiene		2.0E+01	
Hexachloroethane	4.8E+02	4.5E+02	4.8E+02
Hexachlorophene		2.0E+02	
Hexachloropropylene	7.5E+02	6.8E+02	5.3E+02
Hexanal, 2-ethyl-		1.0E+05	
Hexane, n-		1.2E+04	
Hexanediamine, 1,6-		5.1E+03	
Hexanedinitrile		7.0E+02	
Hexanediol, 1,6-		2.0E+06	
Hexanoic acid		1.9E+02	
Hexanone, 2-		9.4E+02	
Hexazinone		2.2E+04	
Hexene, 1-		2.3E+03	
Hexene, cis-2-		2.3E+03	
Hexylene glycol (2-methyl-2,4-pentanediol)		2.0E+05	
Hydrazine	7.2E-01	4.1E+00	3.8E-01
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)		2.2E+02	
Hydrogen chloride (hydrochloric acid)*			
Hydroquinone	3.2E+02	2.7E+04	3.2E+02
Indene		1.6E+02	
Indeno-1,2,3-cd-pyrene	2.4E+01		2.4E+01
Iron*			
Isoamyl alcohol		5.1E+03	
Isobutyl alcohol		3.1E+05	
Isobutylene (2-methyl-1-propene)		2.4E+06	
Isobutyric acid (2-methylpropanoic acid)		3.4E+05	
Isodecanol		1.1E+03	
Isodrin	1.1E-01	2.0E+00	1.0E-01
Isopentane		5.5E+04	
Isophorone	2.0E+04	1.4E+05	2.0E+04
Isopropyl acetate		7.2E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Isopropyl alcohol		2.0E+05	
Isosafrole	5.5E+01		4.1E+01
Kelthane (dicofol)		4.1E+03	
Kepone (chlordecone)	1.9E+00	2.0E+02	1.8E+00
Lead (inorganic)		1.6E+03	
Leptophos		4.6E+00	
Limonene, d-*			
Lithium		1.9E+03	
Magnesium*			
Malathion		2.8E+02	
Maleic anhydride		6.8E+04	
Maleic hydrazide		3.4E+05	
Malononitrile		6.8E+01	
Mancozeb		2.0E+04	
Manganese		3.6E+04	
MCPA (4-(chloro-2-methylphenoxy) acetic acid)		3.4E+02	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)		6.8E+02	
Mercuric chloride (pH = 4.9)		6.2E+00	
Mercuric chloride (pH = 6.8)		1.9E+01	
Mercury ¹ (pH = 4.9)		6.2E+00	
Merphos		2.0E+01	
Methacrylic acid (2-methyl-2-propenoic acid)		1.0E+04	
Methacrylonitrile		1.0E+02	
Methanol		5.1E+05	
Methapyrilene	4.1E+00		4.1E+00
Methomyl		1.7E+04	
Methoxychlor		3.4E+03	
Methoxyethanol, 2-		4.0E+02	
Methyl acetate (acetic acid, methyl ester)		1.0E+06	
Methyl acrylate		2.0E+03	
Methyl amyl ketone (2-heptanone)		3.8E+04	
Methyl chrysene, 1-	2.4E+03		2.4E+03
Methyl chrysene, 2-	2.4E+03		2.4E+03
Methyl chrysene, 6-	2.4E+02		2.4E+02
Methyl cyclohexane		6.4E+04	
Methyl ethyl ketone (2-butanone)		1.9E+05	
Methyl iodide (iodomethane)		1.4E+03	
Methyl isobutyl ketone (4-methyl-2-pentanone)		4.1E+04	
Methyl mercury		9.7E+01	
Methyl methacrylate		1.5E+04	
Methyl methanesulfonate	9.5E+01		6.4E+01
Methyl parathion		1.7E+02	
Methyl-1-butene, 2-		5.3E+04	
Methyl-1-propanal, 2- (isobutyraldehyde)		4.1E+04	
Methyl-2-butene, 2-		5.3E+04	
Methyl-2-pentenal, 2-	1.5E+01		1.5E+01
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	2.1E+03		2.1E+03
Methylcholanthrene, 3-	7.9E-01		7.9E-01

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathway)		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Methylene bromide (dibromomethane)	3.8E+03	1.1E+02	3.8E+03
Methylene chloride (dichloromethane)	8.6E+03	5.0E+03	6.2E+03
Methylene-bis (2-chloroaniline) 4,4'-	1.8E+02	1.4E+03	1.8E+02
Methylmercury hydroxide		6.8E+01	
Methylnaphthalene, 1-	6.0E+02	4.3E+04	6.0E+02
Methylnaphthalene, 2-		2.5E+03	
Methylpyrrolidone, N-		1.4E+04	
Methylstyrene, alpha-		6.3E+02	
Methyltetrahydrofuran, 2-	2.9E+02	2.0E+05	1.6E+02
Methyltetrahydropyran, 2-	3.3E+02	2.0E+05	1.8E+02
Metolachlor		1.0E+05	
Metribuzin		1.7E+04	
Mirex		1.4E+02	
Molinate		1.4E+03	
Molybdenum		4.5E+03	
Monocrotophos		4.1E+02	
Morpholine		5.1E+08	
Morpholine, N-butyl-		2.4E+03	
MTBE (methyl tert-butyl ether)	2.0E+03	8.8E+03	1.1E+03
Naled		1.4E+03	
Naphthalene		3.6E+02	
Naphthoquinone, 1,4-		4.8E+03	
Naphthylamine, 1-		1.4E+04	
Naphthylamine, 2-	1.1E+01		1.1E+01
Napropamide		6.8E+04	
Neopentyl glycol		2.0E+05	
Nickel and compounds	2.2E+05	8.8E+03	1.1E+05
Nitrate		1.6E+06	
Nitrite		9.7E+04	
Nitroaniline, 2-		5.0E+01	
Nitroaniline, 3-	5.0E+02	5.9E+01	5.0E+02
Nitroaniline, 4-	9.5E+02	1.0E+03	9.5E+02
Nitrobenzene	1.1E+02	7.0E+02	5.7E+01
Nitroglycerin	1.1E+03	6.8E+01	1.1E+03
Nitrophenol, 2-		1.4E+03	
Nitrophenol, 3-		1.4E+03	
Nitrophenol, 4-		1.4E+03	
Nitropropane, 2-	2.2E-01	1.1E+02	1.1E-01
Nitroquinoline-N-oxide, 4-	1.2E+00		9.0E-01
Nitrosodiethanolamine	6.8E+00		6.8E+00
Nitrosodiethylamine, n-	7.0E-02		4.4E-02
Nitrosodimethylamine, n-	2.1E-01	3.6E+00	1.3E-01
Nitrosodi-n-butylamine, n-	1.2E+00		7.1E-01
Nitrosodi-n-propylamine, n-	1.4E+00		1.4E+00
Nitrosodiphenylamine	1.9E+03		1.9E+03
Nitroso-methyl-ethyl-amine, n-	1.3E+00		1.3E+00
Nitrosomorpholine, N-	1.4E+00		9.7E-01
Nitroso-n-ethylurea, n-	1.4E-01		1.4E-01

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Nitrosopiperidine, N-	1.1E+00		7.4E-01
Nitrosopyrrolidine, n-	4.7E+00		3.2E+00
Nitrotoluene, m-		6.8E+03	
Nitrotoluene, o-	8.7E+01	6.1E+02	8.7E+01
Nitrotoluene, p-	1.2E+03	2.7E+03	1.2E+03
Nonachlor, cis-	5.3E+01	3.2E+02	5.2E+01
Nonachlor, trans-	5.3E+01	3.2E+02	5.2E+01
Nonanal		1.4E+05	
Nonene, 1-n		1.0E+05	
Nonylphenol		6.8E+04	
Nonylphenol		6.8E+04	
Nonylphenol		6.8E+04	
Nonylphenol ethoxylate		1.0E+05	
Octamethylpyrophosphoramide		1.4E+03	
Octanone		5.8E+04	
Oxamyl		1.7E+04	
Oxychlor dane	5.3E+01	3.2E+02	5.2E+01
Paraquat		3.1E+03	
Parathion (ethyl parathion)		4.1E+03	
Pebulate		3.4E+04	
Pendimethalin		2.7E+04	
Pentachlorobenzene		5.5E+02	
Pentachloroethane	1.1E+02	3.1E+04	6.5E+01
Pentachloronitrobenzene	7.3E+01	2.0E+03	7.3E+01
Pentachlorophenol	3.2E+01	2.3E+03	3.2E+01
Pentadiene, 1,3-cis-		5.3E+04	
Pentadiene, 1,3-trans-		5.3E+04	
Pentaerythritol tetranitrate (PETN)		1.4E+03	
Pentane		3.0E+05	
Pentane, 2-methyl-		5.3E+04	
Pentane, 3-methyl-		5.3E+04	
Pentanediol, 1,5-		1.8E+06	
Pentanol, 1-		3.4E+04	
Pentanol, 4-methyl-2-		2.7E+04	
Pentanone, 2-		4.1E+04	
Pentene, 2-		5.3E+04	
Pentyne, 1-		5.3E+04	
Perchlorate		5.7E+02	
Perylene		1.4E+04	
Phenacetin	5.9E+03		4.5E+03
Phenanthrene		1.9E+04	
Phenanthridine		2.0E+03	
Phenol		2.0E+05	
Phenol, 4-tert-butyl-		3.4E+03	
Phenothiazine		3.4E+02	
Phenyl mercuric acetate		5.5E+01	
Phenylene diamine, m-		4.1E+03	
Phenylene diamine, p-		1.3E+05	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Phorate		1.4E+02	
Phosalone		1.4E+03	
Phosdrin (mevinphos)		1.7E+01	
Phosmet		1.4E+04	
Phosphine		6.3E+00	
Phosphorotriethioic acid, S,S,S-tributyl ester	3.4E+02	1.0E+03	3.4E+02
Phosphorus, total*			
Phosphorus, white		1.6E+01	
Phthalic anhydride		6.6E+04	
Picloram		4.8E+04	
Picoline, 2- (2-methylpyridine)		9.2E+03	
Polybrominated biphenyls (PBBs)	2.1E+00	4.8E+00	2.1E+00
Polychlorinated biphenyls (PCBs)	7.7E+00	1.2E+01	7.1E+00
Potassium*			
Primene		4.1E+03	
Prometon (pramitol)		1.0E+04	
Pronamide		5.1E+04	
Propanal (propionaldehyde)		1.7E+02	
Propane, 1-bromo-		3.7E+04	
Propanil		3.4E+03	
Propanoic acid (propionic acid)		5.1E+05	
Propanol, 1-		2.0E+05	
Propargite		1.4E+04	
Propargyl alcohol		2.0E+03	
Propazine	4.3E+02	1.4E+04	4.3E+02
Propham		1.4E+04	
Propionitrile (propane nitrile)		4.1E+02	
Propyl acetate, n-		9.2E+04	
Propylbenzene, n-		7.3E+03	
Propylene glycol		5.1E+02	
Propylene glycol monomethyl ether		2.2E+05	
Propylene oxide	6.9E+01	6.4E+02	4.9E+01
Propylene tetramer		1.6E+04	
Prothiofos (Tokuthion)		6.8E+01	
Pyrene		1.9E+04	
Pyridine		1.0E+03	
Quinoline	6.4E+00		6.4E+00
Ronnel		3.4E+04	
Safrole	4.9E+01		3.5E+01
Selenium		4.9E+03	
Selenourea		5.1E+03	
Silver		2.3E+03	
Simazine	1.6E+02	3.4E+03	1.6E+02
Sodium*			
Sodium diethyldithiocarbamate	1.1E+02	3.1E+04	1.1E+02
Sodium hypochlorite		1.2E+05	
Sodium polyacrylate		1.7E+02	
Strontium		4.9E+05	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	TotSoilComb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
Strychnine		2.0E+02	
Styrene		1.5E+04	
Sulfate*			
Sulfide*			
Sulfolane		1.1E+03	
Sulfur*			
Sulprofos (Bolstar)		2.0E+03	
Tebuconazole		2.0E+04	
Tebuthiuron		4.8E+04	
Terbufos		1.7E+01	
Tert-amyl ethyl ether (TAEE)		4.1E+04	
Tert-amyl-methyl ether (TAME)		4.1E+04	
Tert-butyl alcohol (2-methyl-2-propanol)		9.2E+04	
Tetrachlorobenzene, 1,2,3,4-		2.0E+02	
Tetrachlorobenzene, 1,2,3,5-		2.0E+02	
Tetrachlorobenzene, 1,2,4,5-		2.0E+02	
Tetrachloroethane, 1,1,1,2-	1.3E+02	3.1E+04	7.3E+01
Tetrachloroethane, 1,1,2,2-	1.4E+02	2.0E+04	1.4E+02
Tetrachloroethylene	1.4E+03	3.5E+03	7.7E+02
Tetrachlorophenol, 2,3,4,5-		2.0E+04	
Tetrachlorophenol, 2,3,4,6-		2.0E+04	
Tetrachlorophenol, 2,3,5,6-		2.0E+04	
Tetrachlorvinphos (Stirophos)		2.9E+04	
Tetradifon		1.4E+04	
Tetraethyl dithiopyrophosphate (sulfotep)		3.4E+02	
Tetraethyl lead		6.8E-02	
Tetraethyl pyrophosphate (TEPP)		7.5E+00	
Tetraethylene glycol		2.2E+05	
Tetrahydrofuran	2.9E+02	4.1E+04	1.6E+02
Tetrahydropyran	3.1E+02	2.0E+05	1.7E+02
Tetraoxadodecane, 2,5,8,11-		2.6E+04	
Thallium and compounds (as thallium chloride)		7.8E+01	
Thiofanox		2.0E+02	
Thionazin		4.8E+01	
Thiophanate-methyl		5.5E+04	
Thiram		3.4E+03	
Tin		4.1E+05	
Titanium		1.9E+06	
Toluene		4.2E+04	
Toluene diisocyanate, 2,4/2,6-		2.0E+02	
Toluenediamine, 2,4-	6.0E+00		6.0E+00
Toluenediamine, 2,6-		2.0E+04	
Toluidine, o-	5.9E+01		4.8E+01
Toluidine, p-	1.0E+02		1.0E+02
Toxaphene	1.7E+01		1.7E+01
TPH, TX1005, C6-C12		3.9E+03	
TPH, TX1005, >C12-C28		1.2E+04	
TPH, TX1005, >C12-C35		1.2E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	Tot Soil Comb (includes inhalation, ingestion, and dermal pathw		
	0.5 acre source	0.5 acre source area	30 acre source
	area Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	area Carcinogenic (mg/kg)
TPH, TX1005, >C28-C35		1.2E+04	
TP Silvex, 2,4,5-		5.5E+03	
Triademenol		2.0E+04	
Triallate		8.9E+03	
Triaminotrinitrobenzene (TATB)	6.4E+02	2.0E+03	6.4E+02
Tributyltin oxide		2.0E+02	
Trichloro-1,2,2-trifluoroethane, 1,1,2-		6.3E+05	
Trichlorobenzene, 1,2,3-		3.5E+02	
Trichlorobenzene, 1,2,4-	6.6E+02	2.0E+02	6.6E+02
Trichlorobenzene, 1,3,5-		1.6E+02	
Trichloroethane, 1,1,1-		1.0E+05	
Trichloroethane, 1,1,2-	3.5E+01	4.1E+03	1.9E+01
Trichloroethylene	1.2E+02	4.0E+01	6.7E+01
Trichlorofluoromethane		3.1E+05	
Trichloronate		2.0E+03	
Trichlorophenol, 2,3,4-		6.8E+04	
Trichlorophenol, 2,3,5-		6.8E+04	
Trichlorophenol, 2,3,6-		6.8E+04	
Trichlorophenol, 2,4,5-		6.8E+04	
Trichlorophenol, 2,4,6-	1.1E+03	6.8E+02	8.6E+02
Trichlorophenol, 3,4,5-		6.8E+04	
Trichlorophenoxyacetic acid, 2,4,5-		6.8E+03	
Trichloropropane, 1,1,2-		6.4E+00	
Trichloropropane, 1,2,3-	9.5E-01	1.9E+01	9.5E-01
Triethanolamine		1.4E+05	
Triethylamine		1.5E+02	
Triethylene glycol		2.0E+06	
Triethylphosphorothioate, O, O, O-		5.7E+00	
Trifluralin	2.5E+03	5.1E+03	2.5E+03
Trimethylamine		2.1E+02	
Trimethylbenzene, 1,2,3-		1.7E+02	
Trimethylbenzene, 1,2,4-		2.2E+02	
Trimethylbenzene, 1,3,5-		1.6E+02	
Trinitrobenzene, 1,3,5-		2.0E+04	
Trinitrophenylmethyl nitramine (tetryl; nitramine)		2.7E+03	
Trinitrotoluene, 2,4,6-	6.4E+02	3.4E+02	6.4E+02
Uranium (soluble salts)		2.9E+03	
Valeric acid (pentanoic acid)		1.8E+02	
Vanadium		6.2E+02	
Vernam		6.8E+02	
Vinyl acetate		4.3E+03	
Vinyl chloride	1.5E+01	9.1E+02	1.3E+01
Vinylcyclohexane		5.1E+05	
Warfarin		2.0E+02	
Xylene, m-		1.3E+04	
Xylene, o-		9.1E+04	
Xylene, p-		1.3E+04	
Xylenes		1.2E+04	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	^{Tot} Soil _{Comb} (includes inhalation, ingestion, and dermal pathways)		
	0.5 acre source area Carcinogenic (mg/kg)	0.5 acre source area Noncarcinogenic (mg/kg)	30 acre source area Carcinogenic (mg/kg)
Zinc		2.5E+05	
6 C aliphatics (TPH)	---	1.2E+04	---
>6-8 C aliphatics (TPH)	---	1.2E+04	---
>8-10 C aliphatics (TPH)	---	9.7E+03	---
>10-12 C aliphatics (TPH)	---	9.3E+03	---
>12-16 C aliphatics (TPH)	---	1.4E+04	---
>16-21 C aliphatics (TPH)	---	1.0E+06	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	1.0E+06	---
>7-8 C aromatics (TPH)	---	2.9E+04	---
>8-10 C aromatics (TPH)	---	3.9E+03	---
>10-12 C aromatics (TPH)	---	6.9E+03	---
>12-16 C aromatics (TPH)	---	1.2E+04	---
>16-21 C aromatics (TPH)	---	1.9E+04	---
>21-35 C aromatics (TPH)	---	1.9E+04	---
Footnotes			
¹ Note that much higher PCLs for mercury may be obtained using a pH-dependent K _d based on site-specific information (see Fig. §350.73(e)(1)(C)).			
² Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager if asbestos may be a chemical of concern.			
*These compounds, acetic acid, ammonium polyphosphate, ammonium salts, calcium, chloride, ethylene, hydrogen chloride (HCl), iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, sulfate, sulfide, and sulfur, 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 apply. For a complete list of compounds, see the 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/trrp.html .			
All values capped at 1E+06			

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Acenaphthene	3.7E+04
Acenaphthylene	3.7E+04
Acetaldehyde	1.0E+02
Acetate, 2-ethoxyethanol	4.2E+03
Acetate, isoamyl	7.4E+04
Acetate, isobutyl	4.9E+04
Acetate, sec-butyl	4.9E+04
Acetic acid*	
Acetone (2-propanone)	2.9E+05
Acetone cyanohydrin	1.2E+03
Acetonitrile	9.1E+02
Acetophenone	6.8E+04
Acetylaminofluorene, 2-	
Acifluorfen, sodium	8.9E+03
Acridine	2.0E+03
Acrolein	2.0E+01
Acrylamide	3.7E+02
Acrylic acid	8.7E+01
Acrylonitrile	2.2E+01
Adipic acid (hexanedioic acid)	1.4E+06
Alachlor	6.8E+03
Aldicarb	6.8E+02
Aldicarb sulfone	6.8E+02
Aldrin	2.0E+01
Allyl alcohol	4.1E+00
Allyl chloride	1.1E+01
Aluminum	5.7E+05
Ametryn	6.1E+03
Amino-2,6-dinitrotoluene, 4-	1.1E+02
Amino-4,6-dinitrotoluene, 2-	1.1E+02
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	
Aminopyridine, 4-	1.4E+01
Ammonia	1.1E+03
Ammonium polyphosphate*	
Ammonium salts*	
Aniline	9.3E+01
Anthracene	1.9E+05
Anthraquinone, 9,10-	1.4E+04
Antimony	3.1E+02
Aramite	3.4E+04
Arsenic	3.3E+02
Arsine	5.5E-01
Asbestos ²	
Atrazine	2.4E+04
Azinphos-methyl (guthion)	1.0E+03
Azobenzene	
Barium	1.2E+05
Bayleton	2.0E+04

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Benefin (benfluralin)	2.0E+05
Benomyl	3.4E+04
Benz-a-anthracene	
Benzaldehyde	1.0E+05
Benzene	1.8E+03
Benzenedicarbonitrile, 1,3-	4.1E+03
Benzenedicarboxylic acid, 1,2-disodecyl ester	4.0E+04
Benzenethiol	1.0E+03
Benidine	2.0E+03
Benzo-a-pyrene	
Benzo-b-fluoranthene	
Benzo-e-pyrene	1.9E+04
Benzo-g,h,i-perylene	1.9E+04
Benzoic acid	2.7E+06
Benzo-j-fluoranthene	
Benzo-k-fluoranthene	
Benzophenone	4.6E+03
Benzotrichloride	
Benzoyl peroxide	3.4E+04
Benzyl alcohol	6.8E+04
Benzyl chloride	2.2E+01
Benzyl dichloride	3.9E+01
Beryllium	2.5E+02
Biphenyl, 1,1-	3.4E+04
Biphenyl, 1,1', 2-phenoxy-	5.1E+04
Biquinoline, 2,2'-	2.0E+03
Bis (2-chloroethoxy) methane	2.0E+03
Bis (2-chloroethyl) ether	
Bis (2-chloroisopropyl) ether	2.7E+04
Bis (2-chloromethyl) ether	
Bis (2-ethyl-hexyl) phthalate	5.6E+03
Bismuth	4.1E+05
Bisphenol A	3.4E+04
Boron	1.9E+05
Bromacil	6.8E+04
Bromo-2-chloroethane, 1-	4.1E+04
Bromobenzene	6.4E+02
Bromodichloromethane	2.0E+04
Bromoform	2.0E+04
Bromomethane	5.3E+01
Bromophenyl phenylether, 4-	
Butadiene, 1,3-	3.6E+02
Butadiene, 2-methyl-1,3- (isoprene)	4.7E+04
Butanal (butyraldehyde)	6.1E+04
Butane, 2,3-dimethyl-	4.7E+04
Butanoic acid (butyric acid)	9.3E+01
Butanol, 1-, 2-Me-	1.0E+04
Butanol, 2-	6.8E+05

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Butanol, 2-methyl-2-	1.0E+04
Butanol, n-	1.0E+05
Butene, 1-	4.7E+04
Butene, cis-2-	4.7E+04
Butene, trans-2-	4.7E+04
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)	5.2E+04
Butyl acetate	7.5E+03
Butyl acrylate	9.2E+03
Butyl benzyl phthalate	1.4E+05
Butyl ether, n- (dibutyl ether)	1.0E+05
Butyl methacrylate	9.2E+04
Butylate	3.4E+04
Butylbenzene, n-	3.4E+04
Butylbenzene, sec-	4.1E+04
Butylbenzene, tert-	4.1E+04
Cacodylic acid	2.0E+03
Cadmium	8.5E+02
Calcium*	
Caprolactam	3.4E+05
Captan	8.9E+04
Carbaryl	6.8E+04
Carbazole	
Carbofuran	3.4E+03
Carbon disulfide	7.2E+03
Carbon tetrachloride	8.7E+02
Carbophenothion	8.9E+03
Carbosulfan	6.8E+03
Carboxin	6.8E+04
Chloral	1.0E+05
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	6.8E+04
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	1.0E+04
Chlordane (technical)	3.7E+02
Chlordane, cis- (alpha chlordane)	3.3E+02
Chlordane, gamma	2.9E+02
Chlorfenvinphos	2.1E+01
Chloride*	
Chlorine	1.7E+00
Chloro-1,3-butadiene, 2-	2.2E+02
Chloro-2-propanol, 1-	2.0E+04
Chloro-3-methylphenol, 4-	3.4E+03
Chloroaniline, p-	2.7E+03
Chlorobenzene	5.4E+02
Chlorobenzilate	1.4E+04
Chlorobromomethane (bromochloromethane)	4.1E+04
Chlorodifluoromethane	5.5E+05
Chloroethane (ethyl chloride)	8.7E+04
Chloroethanol, 2-	4.1E+05
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	3.3E+00

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Chloroform	9.7E+02
Chlorohexane, 1-	8.7E+03
Chloromethane (methyl chloride)	9.9E+02
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	5.0E+04
Chloronaphthalene, 2- (chloronaphthalene, beta)	5.0E+04
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	4.2E+01
Chlorophenol, 2-	5.1E+03
Chlorophenol, 3-	3.4E+03
Chlorophenol, 4-	3.4E+03
Chlorophenyl phenylether, 4-	
Chloropropane, 2-	1.1E+03
Chlorothalonil	1.0E+04
Chlorotoluene, o- (2-chlorotoluene)	5.6E+03
Chlorotoluene, p- (4-chlorotoluene)	2.0E+04
Chlorpyrifos	2.0E+03
Chromium (III)	7.5E+04
Chromium (total)	7.5E+04
Chromium (VI)	1.0E+03
Chrysene	
Cobalt	2.7E+02
Copolymer acrylamide	1.4E+02
Copper	3.9E+04
Coronene	1.4E+03
Coumaphos	4.8E+03
Cresol	3.4E+04
Cresol, m- (3-methylphenol)	3.4E+04
Cresol, o- (2-methylphenol)	3.4E+04
Cresol, p- (4-methylphenol)	3.4E+03
Crotonaldehyde	1.0E+03
Cumene (isopropylbenzene)	6.3E+03
Cyanazine	1.4E+03
Cyanide	5.8E+02
Cyanogen	8.8E+00
Cycloate	3.7E+04
Cyclohexane	6.5E+04
Cyclohexanol	3.4E+06
Cyclohexanone	2.5E+04
Cyclohexene, 4-ethenyl- (4-vinylcyclohexene)	3.1E+03
Cyclohexene-1-methanol, 3-	2.0E+04
Cyclopentane	5.0E+04
Cyclopentane, methyl-	1.0E+04
Cyclopentene	5.1E+06
Cyclotetramethylenetetranitramine (HMX)	1.2E+04
Cyclotrimethylenetrinitramine (RDX)	2.0E+03
Cymene (isopropyltoluene)	1.0E+05
Cymoxanil	8.9E+03
Dacthal (DCPA)	6.8E+03
Dalapon, sodium salt (2,2-dichloropropanoic acid)	2.0E+04

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
DDD	
DDE	
DDT	4.4E+02
Demeton	2.7E+01
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	2.7E+04
Diallate	
Diazinon	4.3E+01
Dibenz(a,h)acridine	
Dibenz(a,j)acridine	
Dibenz-a,h-anthracene	
Dibenzo(a,e)pyrene	
Dibenzo(a,h)pyrene	
Dibenzo(a,i)pyrene	
Dibenzofuran	2.7E+03
Dibenzothiophene	2.0E+03
Dibromo-3-chloropropane, 1,2-	5.6E+00
Dibromochloromethane (chlorodibromomethane)	2.0E+04
Dibromofluoromethane	2.0E+05
Dicamba	2.0E+04
Dichlormid	1.7E+04
Dichloro-2-butene, 1,4-	
Dichloro-2-butene, 1,4- trans	
Dichlorobenzene, 1,2-	5.7E+02
Dichlorobenzene, 1,3-	8.8E+01
Dichlorobenzene, 1,4-	1.8E+03
Dichlorobenzidine, 3,3'-	
Dichlorobutane, 2,3-	7.7E+01
Dichlorodifluoromethane	1.1E+03
Dichloroethane, 1,1-	2.3E+04
Dichloroethane, 1,2-	7.6E+01
Dichloroethylene, 1,1-	3.5E+03
Dichloroethylene, cis-1,2-	5.0E+02
Dichloroethylene, trans-1,2	6.4E+02
Dichlorofluoromethane	2.0E+05
Dichlorophenol, 2,3-	2.0E+03
Dichlorophenol, 2,4-	2.0E+03
Dichlorophenol, 2,5-	2.0E+03
Dichlorophenol, 2,6-	6.8E+02
Dichlorophenol, 3,4-	2.0E+03
Dichlorophenol, 3,5-	2.0E+03
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	5.5E+03
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	8.2E+03
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	6.8E+03
Dichloropropane, 1,2-	4.4E+01
Dichloropropane, 1,3-	2.2E+02
Dichloropropane, 2,2-	4.4E+01
Dichloropropanol, 2,3-	2.0E+03
Dichloropropene, 1,1-	2.2E+02

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Dichloropropene, 1,3- (mixed isomers)	2.2E+02
Dichloropropene, cis 1,3-	7.0E+01
Dichloropropene, trans 1,3-	2.2E+02
Dichlorvos	3.4E+02
Dicrotophos (bidrin)	6.8E+01
Dicyclopentadiene	8.2E+03
Dieldrin	3.4E+01
Diethanolamine	3.4E+02
Diethyl phthalate	5.5E+05
Diethylene glycol	1.4E+06
Diethylene glycol monobutyl ether	1.5E+01
Diethylhexyl adipate	4.1E+05
Diethylstilbestrol	
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	2.1E+03
Diisopropylbenzene, p-	1.0E+04
Diisopropyl ether (2,2'-oxybis-propane)	7.2E+03
Dimethenamid	1.0E+04
Dimethoate	1.4E+02
Dimethoxybenzidine, 3,3'-	
Dimethylphenethylamine, alpha, alpha-	1.4E+03
Dimethyl phenol, 2,4-	1.4E+04
Dimethylaminoazobenzene, p-	6.8E+00
Dimethylbenz-a-anthracene, 7,12-	
Dimethylbenzidine, 3,3'-	
Dimethylnaphthalene, 1,3-	2.5E+04
Dimethylphthalate	5.5E+05
Di-n-butyl phthalate	6.8E+04
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	6.8E+01
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	6.8E+01
Dinitrobenzene, 1,4-	6.8E+01
Dinitrophenol, 2,4-	1.4E+03
Dinitrophenol, 2,5-	1.4E+03
Dinitrotoluene, 2,4-	1.4E+03
Dinitrotoluene, 2,6-	6.8E+02
Di-n-octyl phthalate	2.7E+04
Dinoseb	6.8E+02
Dioxane 1,4-	2.3E+04
TEQ)	
Diphenyl ether	4.2E+03
Diphenylamine	1.7E+04
Diphenylhydrazine, 1,2-	
Dipropylene glycol	8.2E+04
Diquat	1.5E+03
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	6.8E+03
Disulfoton	2.7E+01
Diuron	1.4E+03
Dodecylphenol, 4-	3.4E+04
Dodecylphenol, 4-	3.4E+04

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Endosulfan	4.1E+03
Endosulfan I	1.4E+03
Endosulfan II	4.1E+03
Endosulfan sulfate	4.1E+03
Endothall	1.4E+04
Endrin	2.0E+02
Endrin aldehyde	2.0E+02
Endrin ketone	2.0E+02
Epichlorohydrin	1.9E+01
EPN (o-ethyl-o-(4-nitrophenyl)phenylphosphonothioate)	6.8E+00
Esfenvalerate	1.4E+03
Ethalfuralin (sonolan)	2.7E+04
Ethanol	3.4E+07
Ethanol, 2-amino-	1.7E+03
Ethanol, 2-(2-aminoethoxy)-	5.1E+02
Ethanol, 2-(2-ethoxyethoxy)-	2.0E+06
Ethanol, 2-(methylamino)-	3.6E+03
Ethion	3.4E+02
Ethoprop	6.8E+01
Ethoxy ethanol, 2-	2.2E+03
Ethyl acetate	9.2E+05
Ethyl acrylate	
Ethyl benzene	1.7E+04
Ethyl dipropylthiocarbamate, S-	1.7E+04
Ethyl ether	2.0E+05
Ethyl methacrylate	4.8E+03
Ethyl methanesulfonate	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	7.8E+02
Ethyl-1-hexanol, 2-	1.0E+05
Ethyl-2-hexenal, 2-	1.5E+05
Ethyl-2-methyl benzene, 1-	5.4E+03
Ethyl-4-methyl benzene, 1-	4.7E+03
Ethylene*	
Ethylene dibromide (dibromoethane, 1,2-)	1.6E+02
Ethylene glycol	1.4E+06
Ethylene oxide	
Ethylene thiourea	5.5E+01
Ethylenediamine	9.2E+04
Ethylenimine	
Ethylhexyl acrylate, 2-	
Famphur	2.0E+01
Fensulfothion	6.8E+02
Fenthion	4.8E+01
Fluoranthene	2.5E+04
Fluorene	2.5E+04
Fluorine (soluble fluoride)	5.8E+04
Fluorochloridone	5.1E+03
Fonofos	1.4E+03

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Formaldehyde	7.1E+02
Formic acid	1.5E+02
Furan	1.0E+03
Furfural	3.1E+03
Glycidylaldehyde	8.5E+01
Glyphosate	6.8E+04
Heptachlor	3.4E+02
Heptachlor epoxide	8.9E+00
Heptane, n-	4.7E+04
Heptanoic acid, n-	8.8E+01
Hexachlorobenzene	5.5E+02
Hexachlorobutadiene	6.8E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	6.8E+03
Hexachlorocyclohexane, beta (beta-BHC)	
Hexachlorocyclohexane, delta (delta-BHC)	2.6E+02
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	2.6E+02
Hexachlorocyclohexane, techn (technical-BHC)	
Hexachlorocyclopentadiene	1.0E+01
Hexachloroethane	4.2E+02
Hexachlorophene	2.0E+02
Hexachloropropylene	6.8E+02
Hexanal, 2-ethyl-	1.0E+05
Hexane, n-	6.6E+03
Hexanediamine, 1,6-	5.1E+03
Hexanedinitrile	4.7E+02
Hexanediol, 1,6-	1.4E+06
Hexanoic acid	9.8E+01
Hexanone, 2-	5.3E+02
Hexazinone	2.2E+04
Hexene, 1-	1.2E+03
Hexene, cis-2-	1.2E+03
Hexylene glycol (2-methyl-2,4-pentanediol)	2.0E+05
Hydrazine	2.1E+00
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)	1.2E+02
Hydrogen chloride (hydrochloric acid)*	
Hydroquinone	2.7E+04
Indene	8.0E+01
Indeno-1,2,3-cd-pyrene	
Iron*	
Isoamyl alcohol	5.1E+03
Isobutyl alcohol	3.1E+05
Isobutylene (2-methyl-1-propene)	1.2E+06
Isobutyric acid (2-methylpropanoic acid)	3.4E+05
Isodecanol	1.1E+03
Isodrin	2.0E+00
Isopentane	5.0E+04
Isophorone	1.4E+05
Isopropyl acetate	7.2E+04

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Isopropyl alcohol	2.0E+05
Isosafrole	
Kelthane (dicofol)	4.1E+03
Kepone (chlordecone)	2.0E+02
Lead (inorganic)	1.6E+03
Leptophos	4.2E+00
Limonene, d-*	
Lithium	1.9E+03
Magnesium*	
Malathion	1.4E+02
Maleic anhydride	6.8E+04
Maleic hydrazide	3.4E+05
Malononitrile	6.8E+01
Mancozeb	2.0E+04
Manganese	2.4E+04
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	3.4E+02
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	6.8E+02
Mercuric chloride (pH = 4.9)	3.3E+00
Mercuric chloride (pH = 6.8)	1.1E+01
Mercury ¹ (pH = 4.9)	3.3E+00
Merphos	2.0E+01
Methacrylic acid (2-methyl-2-propenoic acid)	1.0E+04
Methacrylonitrile	1.0E+02
Methanol	5.1E+05
Methapyrilene	
Methomyl	1.7E+04
Methoxychlor	3.4E+03
Methoxyethanol, 2-	2.1E+02
Methyl acetate (acetic acid, methyl ester)	1.0E+06
Methyl acrylate	2.0E+03
Methyl amyl ketone (2-heptanone)	3.1E+04
Methyl chrysene, 1-	
Methyl chrysene, 2-	
Methyl chrysene, 6-	
Methyl cyclohexane	3.3E+04
Methyl ethyl ketone (2-butanone)	1.2E+05
Methyl iodide (iodomethane)	1.4E+03
Methyl isobutyl ketone (4-methyl-2-pentanone)	2.8E+04
Methyl mercury	9.7E+01
Methyl methacrylate	7.7E+03
Methyl methanesulfonate	
Methyl parathion	1.7E+02
Methyl-1-butene, 2-	4.7E+04
Methyl-1-propanal, 2- (isobutyraldehyde)	4.1E+04
Methyl-2-butene, 2-	4.7E+04
Methyl-2-pentenal, 2-	
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	
Methylcholanthrene, 3-	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Methylene bromide (dibromomethane)	5.9E+01
Methylene chloride (dichloromethane)	4.3E+03
Methylene-bis (2-chloroaniline) 4,4'-	1.4E+03
Methylmercury hydroxide	6.8E+01
Methylnaphthalene, 1-	4.3E+04
Methylnaphthalene, 2-	2.5E+03
Methylpyrrolidone, N-	1.4E+04
Methylstyrene, alpha-	3.3E+02
Methyltetrahydrofuran, 2-	2.0E+05
Methyltetrahydropyran, 2-	2.0E+05
Metolachlor	1.0E+05
Metribuzin	1.7E+04
Mirex	1.4E+02
Molinate	1.4E+03
Molybdenum	4.5E+03
Monocrotophos	4.1E+02
Morpholine	5.1E+08
Morpholine, N-butyl-	2.4E+03
MTBE (methyl tert-butyl ether)	7.8E+03
Naled	1.4E+03
Naphthalene	1.9E+02
Naphthoquinone, 1,4-	4.8E+03
Naphthylamine, 1-	1.4E+04
Naphthylamine, 2-	
Napropamide	6.8E+04
Neopentyl glycol	2.0E+05
Nickel and compounds	8.6E+03
Nitrate	1.6E+06
Nitrite	9.7E+04
Nitroaniline, 2-	2.9E+01
Nitroaniline, 3-	3.6E+01
Nitroaniline, 4-	6.6E+02
Nitrobenzene	4.8E+02
Nitroglycerin	6.8E+01
Nitrophenol, 2-	1.4E+03
Nitrophenol, 3-	1.4E+03
Nitrophenol, 4-	1.4E+03
Nitropropane, 2-	8.7E+01
Nitroquinoline-N-oxide, 4-	
Nitrosodiethanolamine	
Nitrosodiethylamine, n-	
Nitrosodimethylamine, n-	2.4E+00
Nitrosodi-n-butylamine, n-	
Nitrosodi-n-propylamine, n-	
Nitrosodiphenylamine	
Nitroso-methyl-ethyl-amine, n-	
Nitrosomorpholine, N-	
Nitroso-n-ethylurea, n-	

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Nitrosopiperidine, N-	
Nitrosopyrrolidine, n-	
Nitrotoluene, m-	6.8E+03
Nitrotoluene, o-	6.1E+02
Nitrotoluene, p-	2.7E+03
Nonachlor, cis-	3.0E+02
Nonachlor, trans-	3.0E+02
Nonanal	1.4E+05
Nonene, 1-n	1.0E+05
Nonylphenol	6.8E+04
Nonylphenol	6.8E+04
Nonylphenol	6.8E+04
Nonylphenol ethoxylate	1.0E+05
Octamethylpyrophosphoramide	1.4E+03
Octanone	5.6E+04
Oxamyl	1.7E+04
Oxychlorane	3.0E+02
Paraquat	3.1E+03
Parathion (ethyl parathion)	4.1E+03
Pebulate	3.4E+04
Pendimethalin	2.7E+04
Pentachlorobenzene	5.5E+02
Pentachloroethane	3.1E+04
Pentachloronitrobenzene	2.0E+03
Pentachlorophenol	2.3E+03
Pentadiene, 1,3-cis-	4.7E+04
Pentadiene, 1,3-trans-	4.7E+04
Pentaerythritol tetranitrate (PETN)	1.4E+03
Pentane	1.9E+05
Pentane, 2-methyl-	4.7E+04
Pentane, 3-methyl-	4.7E+04
Pentanediol, 1,5-	1.3E+06
Pentanol, 1-	3.4E+04
Pentanol, 4-methyl-2-	2.7E+04
Pentanone, 2-	4.1E+04
Pentene, 2-	4.7E+04
Pentyne, 1-	4.7E+04
Perchlorate	5.7E+02
Perylene	1.4E+04
Phenacetin	
Phenanthrene	1.9E+04
Phenanthridine	2.0E+03
Phenol	2.0E+05
Phenol, 4-tert-butyl-	3.4E+03
Phenothiazine	3.4E+02
Phenyl mercuric acetate	5.5E+01
Phenylene diamine, m-	4.1E+03
Phenylene diamine, p-	1.3E+05

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Phorate	1.4E+02
Phosalone	1.4E+03
Phosdrin (mevinphos)	1.7E+01
Phosmet	1.4E+04
Phosphine	3.3E+00
Phosphorotrichioic acid, S,S,S-tributyl ester	1.0E+03
Phosphorus, total*	
Phosphorus, white	1.6E+01
Phthalic anhydride	3.5E+04
Picloram	4.8E+04
Picoline, 2- (2-methylpyridine)	9.2E+03
Polybrominated biphenyls (PBBs)	4.8E+00
Polychlorinated biphenyls (PCBs)	1.2E+01
Potassium*	
Primene	4.1E+03
Prometon (pramitol)	1.0E+04
Pronamide	5.1E+04
Propanal (propionaldehyde)	8.7E+01
Propane, 1-bromo-	3.7E+04
Propanil	3.4E+03
Propanoic acid (propionic acid)	5.1E+05
Propanol, 1-	2.0E+05
Propargite	1.4E+04
Propargyl alcohol	2.0E+03
Propazine	1.4E+04
Propham	1.4E+04
Propionitrile (propane nitrile)	4.1E+02
Propyl acetate, n-	9.2E+04
Propylbenzene, n-	4.1E+03
Propylene glycol	2.6E+02
Propylene glycol monomethyl ether	1.3E+05
Propylene oxide	3.3E+02
Propylene tetramer	9.5E+03
Prothiofos (Tokuthion)	6.8E+01
Pyrene	1.9E+04
Pyridine	1.0E+03
Quinoline	
Ronnel	3.4E+04
Safrole	
Selenium	4.9E+03
Selenourea	5.1E+03
Silver	2.3E+03
Simazine	3.4E+03
Sodium*	
Sodium diethyldithiocarbamate	3.1E+04
Sodium hypochlorite	9.6E+04
Sodium polyacrylate	8.7E+01
Strontium	4.9E+05

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Strychnine	2.0E+02
Styrene	7.8E+03
Sulfate*	
Sulfide*	
Sulfolane	5.8E+02
Sulfur*	
Sulprofos (Bolstar)	2.0E+03
Tebuconazole	2.0E+04
Tebuthiuron	4.8E+04
Terbufos	1.7E+01
Tert-amyl ethyl ether (TAEE)	4.1E+04
Tert-amyl-methyl ether (TAME)	4.1E+04
Tert-butyl alcohol (2-methyl-2-propanol)	9.2E+04
Tetrachlorobenzene, 1,2,3,4-	2.0E+02
Tetrachlorobenzene, 1,2,3,5-	2.0E+02
Tetrachlorobenzene, 1,2,4,5-	2.0E+02
Tetrachloroethane, 1,1,1,2-	3.1E+04
Tetrachloroethane, 1,1,2,2-	2.0E+04
Tetrachloroethylene	2.5E+03
Tetrachlorophenol, 2,3,4,5-	2.0E+04
Tetrachlorophenol, 2,3,4,6-	2.0E+04
Tetrachlorophenol, 2,3,5,6-	2.0E+04
Tetrachlorvinphos (Stirophos)	2.9E+04
Tetradifon	1.4E+04
Tetraethyl dithiopyrophosphate (sulfotep)	3.4E+02
Tetraethyl lead	6.8E-02
Tetraethyl pyrophosphate (TEPP)	7.5E+00
Tetraethylene glycol	2.2E+05
Tetrahydrofuran	2.2E+04
Tetrahydropyran	2.0E+05
Tetraoxadodecane, 2,5,8,11-	2.6E+04
Thallium and compounds (as thallium chloride)	7.8E+01
Thiofanox	2.0E+02
Thionazin	4.8E+01
Thiophanate-methyl	5.5E+04
Thiram	3.4E+03
Tin	4.1E+05
Titanium	1.9E+06
Toluene	2.9E+04
Toluene diisocyanate, 2,4/2,6-	1.0E+02
Toluenediamine, 2,4-	
Toluenediamine, 2,6-	2.0E+04
Toluidine, o-	
Toluidine, p-	
Toxaphene	
TPH, TX1005, C6-C12	2.1E+03
TPH, TX1005, >C12-C28	7.8E+03
TPH, TX1005, >C12-C35	7.8E+03

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
TPH, TX1005, >C28-C35	7.8E+03
TP Silvex, 2,4,5-	5.5E+03
Triademenol	2.0E+04
Triallate	8.9E+03
Triaminotrinitrobenzene (TATB)	2.0E+03
Tributyltin oxide	2.0E+02
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.3E+05
Trichlorobenzene, 1,2,3-	2.0E+02
Trichlorobenzene, 1,2,4-	1.1E+02
Trichlorobenzene, 1,3,5-	8.7E+01
Trichloroethane, 1,1,1-	5.5E+04
Trichloroethane, 1,1,2-	4.1E+03
Trichloroethylene	2.1E+01
Trichlorofluoromethane	3.1E+05
Trichloronate	2.0E+03
Trichlorophenol, 2,3,4-	6.8E+04
Trichlorophenol, 2,3,5-	6.8E+04
Trichlorophenol, 2,3,6-	6.8E+04
Trichlorophenol, 2,4,5-	6.8E+04
Trichlorophenol, 2,4,6-	6.8E+02
Trichlorophenol, 3,4,5-	6.8E+04
Trichlorophenoxyacetic acid, 2,4,5-	6.8E+03
Trichloropropane, 1,1,2-	3.3E+00
Trichloropropane, 1,2,3-	1.0E+01
Triethanolamine	1.4E+05
Triethylamine	7.7E+01
Triethylene glycol	2.0E+06
Triethylphosphorothioate, O, O, O-	5.7E+00
Trifluralin	5.1E+03
Trimethylamine	1.1E+02
Trimethylbenzene, 1,2,3-	8.7E+01
Trimethylbenzene, 1,2,4-	1.1E+02
Trimethylbenzene, 1,3,5-	8.3E+01
Trinitrobenzene, 1,3,5-	2.0E+04
Trinitrophenylmethyl nitramine (tetryl; nitramine)	2.7E+03
Trinitrotoluene, 2,4,6-	3.4E+02
Uranium (soluble salts)	2.9E+03
Valeric acid (pentanoic acid)	9.5E+01
Vanadium	6.1E+02
Vernam	6.8E+02
Vinyl acetate	2.2E+03
Vinyl chloride	5.5E+02
Vinylcyclohexane	5.1E+05
Warfarin	2.0E+02
Xylene, m-	6.7E+03
Xylene, o-	4.8E+04
Xylene, p-	6.7E+03
Xylenes	6.5E+03

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial
June 29, 2012

Chemical of Concern	30 acre source area Noncarcinogenic (mg/kg)
Zinc	2.5E+05
6 C aliphatics (TPH)	2.1E+03
>6-8 C aliphatics (TPH)	2.1E+03
>8-10 C aliphatics (TPH)	2.2E+03
>10-12 C aliphatics (TPH)	2.1E+03
>12-16 C aliphatics (TPH)	3.3E+03
>16-21 C aliphatics (TPH)	1.0E+06
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	1.0E+06
>7-8 C aromatics (TPH)	1.0E+04
>8-10 C aromatics (TPH)	2.1E+03
>10-12 C aromatics (TPH)	4.0E+03
>12-16 C aromatics (TPH)	7.8E+03
>16-21 C aromatics (TPH)	1.9E+04
>21-35 C aromatics (TPH)	1.9E+04
Footnotes	
¹ Note that much higher PCLs for mercury may be obtained using §350.73(e)(1)(C)).	
² Asbestos URF and soil PCLs removed. Contact your TCEQ Project Manager.	
*These compounds, acetic acid, ammonium polyphosphate, ammonia, hydrochloric acid, iron, limonene, d-, magnesium, phosphorus, total, potassium, sodium, and sulfur, are not considered to be of concern from a human health standpoint, therefore calculation of human health-based values is not required. See table entitled "Compounds for which Calculation of a Human Health-Based Value is Required" at http://www.tceq.texas.gov/remediation/trrp/trrp.html .	
All values capped at 1E+06	