Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
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	---	---
Acetic acid*	64-19-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	67-64-1	1.4E+04	n	1.4E+01	n	---	1.4E+03	n	---	1.6E+04	n	6.9E+05	n	---	---	7.6E+03	n	7.1E+00	n	---	7.1E+02	n	---	8.2E+03	n	4.5E+04	n	---	---
Acetone cyanohydrin	75-86-5	2.3E+02	n	1.1E-01	n	---	1.1E+01	n	---	4.0E+02	n	6.2E+04	n	---	---	1.5E+02	n	5.7E-02	n	---	5.7E+00	n	---	2.1E+02	n	4.0E+03	n	---	---
Acetonitrile	75-05-8	1.8E+03	n	---	---	---	---	---	---	1.8E+03	n	8.7E+04	n	---	---	9.4E+02	n	---	---	---	---	---	---	9.4E+02	n	5.6E+03	n	---	---
Acetophenone	98-86-2	6.1E+03	n	2.5E+01	n	---	2.5E+03	n	---	6.7E+03	n	6.4E+05	n	> S	---	3.3E+03	n	1.2E+01	n	---	1.2E+03	n	---	3.5E+03	n	4.1E+04	n	> S	---
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	4.5E+03	n	6.1E+00	n	---	6.1E+02	n	---	9.1E+03	n	1.0E+06	n	> S	---	3.1E+03	n	3.1E+00	n	---	3.1E+02	n	---	4.7E+03	n	1.0E+06	n	> S	---
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	1.6E+00	n	2.8E+00	n	---	2.8E+02	n	---	1.6E+00	n	1.9E+02	n	---	---	8.1E-01	n	1.4E+00	n	---	1.4E+02	n	---	8.1E-01	n	1.2E+01	n	---	---
Acrylamide	79-06-1	1.9E+00	c	8.7E-04	c	---	8.7E-02	c	---	3.6E+00	c	9.4E+02	c	---	---	1.3E+00	c	4.4E-04	c	---	4.4E-02	c	---	1.9E+00	c	6.2E+01	c	---	---
Acrylic acid (propenoic 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	2.1E+02	n	7.0E+01	n	---	7.0E+03	n	---	2.1E+02	n	2.2E+05	n	> S	---	1.1E+02	n	3.5E+01	n	---	3.5E+03	n	---	1.1E+02	n	8.2E+04	n	> S	---
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	3.6E+02	n	7.5E-01	n	---	7.5E+01	n	---	3.8E+02	n	4.1E+04	n	---	---	1.9E+02	n	3.7E-01	n	---	3.7E+01	n	---	2.0E+02	n	2.6E+03	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	---	1.0E+06	n	---	---	---	---	---	---	1.4E+03	5.7E+05	n	2.6E+05	n	---	1.0E+06	n	---	---	---	---	---	---	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	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	19406-51-0	5.9E+01	n	2.0E-01	n	---	2.0E+01	n	---	1.2E+02	n	6.4E+04	n	> S	---	4.0E+01	n	1.0E-01	n	---	1.0E+01	n	---	6.3E+01	n	4.2E+03	n	> S	---
Amino-4,6-dinitrotoluene, 2-	35572-78-2	6.5E+01	n	3.0E-01	n	---	3.0E+01	n	---	1.5E+02	n	9.6E+04	n	> S	---	4.6E+01	n	1.5E-01	n	---	1.5E+01	n	---	7.8E+01	n	6.2E+03	n	> S	---
Aminopyridine, 4-	504-24-5	1.1E+01	n	2.8E-03	n	---	2.8E-01	n	---	4.6E+01	n	1.3E+04	n	---	---	8.6E+00	n	1.4E-03	n	---	1.4E-01	n	---	2.4E+01	n	8.3E+02	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	---	1.6E+00
Ammonium salts*	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	1.4E+04	n	7.1E+01	n	> S	7.1E+03	n	> S	---	---	---	---	---	---	1.4E+04	n	3.5E+01	n	> S	3.5E+03	n	> S	---	---	---	---	---	---
Antimony	7440-36-0	3.1E+02	n	5.4E+00	m	---	5.4E+02	m	---	---	---	---	---	---	---	3.1E+02	n	2.7E+00	m	---	2.7E+02	m	---	---	---	---	---	---	---
Aramite	140-57-8	7.6E+02	c	---	---	---	---	---	---	---	---	---	---	---	---	7.6E+02	c	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	2.0E+02	c	5.0E+00	m	---	5.0E+02	m	---	---	---	---	---	---	---	2.0E+02	c	2.5E+00	m	---	2.5E+02	m	---	---	---	---	---	---	---
Arsine	7784-42-1	1.1E+00	n	---	---	---	---	---	---	1.1E+00	n	---	---	---	---	5.5E-01	n	---	---	---	---	---	---	5.5E-01	n	---	---	---	---
Asbestos	1332-21-4	4.9E+03	c	---	---	---	---	---	---	---	---	---	---	---	---	2.5E+03	c	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	1912-24-9	8.6E+01	c	2.5E-02	m	---	2.5E+00	m	---	4.7E+03	n	1.0E+06	n	> S	---	8.6E+01	c	1.2E-02	m	---	1.2E+00	m	---	2.4E+03	n	1.4E+05	n	> S	---
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	3.9E+04	n	4.4E+02	m	---	4.4E+04	m	---	---	---	---	---	---	---	3.7E+04	n	2.2E+02	m	---	2.2E+04	m	---	---	---	---	---	---	---
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	6.7E+02	n	3.1E+01	n	---	3.1E+03	n	---	6.7E+02	n	3.1E+04	n	> S	---	3.4E+02	n	1.6E+01	n	---	1.6E+03	n	---	3.5E+02	n	2.0E+03	n	> S	---
Benzene	71-43-2	6.7E+01	c	2.6E-02	m	---	2.6E+00	m	---	7.7E+01	c	4.4E+02	c	---	---	3.7E+01	c	1.3E-02	m	---	1.3E+00	m	---	4.0E+01	c	2.8E+01	c	---	---

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Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2]	note[3]	$^{GW}Soil_{Ing}$	note[3]		$^{GW}Soil_{Class\ 3}$	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4]	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$	note[3]		^{GW}Soil for Secondary MCL	$^{Tot}Soil_{Comb}$[2]	note[3]	$^{GW}Soil_{Ing}$	note[3]		$^{GW}Soil_{Class\ 3}$	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4]	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$	note[3]		^{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)		(mg/kg)			(mg/kg)
Benzenethiol	108-98-5	5.2E+00	n	2.0E-03	n	---	2.0E-01	n	---	1.1E+01	n	1.8E+02	n	---	---	3.6E+00	n	1.0E-03	n	---	1.0E-01	n	---	5.5E+00	n	1.1E+01	n	---	---
Benzidine	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	9.6E+02	n	5.7E+02	n	---	5.7E+04	n	> S	9.7E+02	n	2.8E+05	n	> S	---	5.0E+02	n	2.8E+02	n	---	2.8E+04	n	> S	5.0E+02	n	1.8E+04	n	> 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	---
Benzotrichloride	98-07-7	1.5E+00	c	9.5E-03	c	---	9.5E-01	c	---	9.6E+01	n	7.2E+03	n	---	---	1.5E+00	c	4.7E-03	c	---	4.7E-01	c	---	4.9E+01	n	4.6E+02	n	---	---
Benzyl alcohol	100-51-6	1.2E+04	n	5.2E+01	n	---	5.2E+03	n	---	1.3E+04	n	1.0E+06	n	> S	---	6.2E+03	n	2.6E+01	n	---	2.6E+03	n	---	6.4E+03	n	2.0E+05	n	> S	---
Benzyl chloride	100-44-7	1.7E+02	c	1.1E-01	c	---	1.1E+01	c	---	2.1E+02	n	6.5E+03	n	---	---	1.1E+02	n	5.6E-02	c	---	5.6E+00	c	---	1.1E+02	n	4.2E+02	n	---	---
Beryllium	7440-41-7	2.5E+02	n	1.8E+00	m	---	1.8E+02	m	---	---	---	---	---	---	---	2.5E+02	n	9.2E-01	m	---	9.2E+01	m	---	---	---	---	---	---	---
Biphenyl, 1,1-	92-52-4	3.7E+02	n	7.6E+02	n	---	7.6E+04	n	> S	3.8E+02	n	5.9E+04	n	> S	---	1.9E+02	n	3.8E+02	n	---	3.8E+04	n	> S	1.9E+02	n	3.8E+03	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	---	---	---	---	---	---	---	---	---	---	---	---	4.1E+05	n	---	---	---	---	---	---	---	---	---	---	---	---
Bisphenol A	80-05-7	2.7E+04	n	8.7E+01	n	---	8.7E+03	n	---	1.3E+05	n	1.0E+06	n	> S	---	2.3E+04	n	4.4E+01	n	---	4.4E+03	n	---	6.9E+04	n	1.0E+06	n	> S	---
Boron[5]	7440-42-8	8.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	8.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	108-86-1	2.2E+02	n	1.7E+01	n	---	1.7E+03	n	---	2.3E+02	n	6.2E+03	n	> S	---	1.2E+02	n	8.6E+00	n	---	8.6E+02	n	---	1.2E+02	n	4.0E+02	n	> S	---
Bromo-2-chloroethane, 1-	107-04-0	1.0E+03	n	1.0E+01	n	---	1.0E+03	n	---	1.1E+03	n	1.3E+04	n	---	---	5.5E+02	n	5.2E+00	n	---	5.2E+02	n	---	5.5E+02	n	8.1E+02	n	---	---
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	> S	---
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	> S	---
Butadiene, 1,3-	106-99-0	2.0E+01	c	---	---	---	---	---	---	2.0E+01	c	2.0E+01	c	---	---	1.0E+01	c	---	---	---	---	---	---	1.0E+01	c	1.3E+00	c	---	---
Butanal (butyraldehyde)	123-72-8	1.3E+04	n	9.4E+00	n	---	9.4E+02	n	---	1.7E+04	n	4.8E+05	n	> S	---	7.7E+03	n	4.7E+00	n	---	4.7E+02	n	---	8.8E+03	n	3.1E+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, n-	71-36-3	5.8E+03	n	1.6E+01	n	---	1.6E+03	n	---	6.2E+03	n	6.0E+05	n	> S	---	3.1E+03	n	7.9E+00	n	---	7.9E+02	n	---	3.2E+03	n	3.8E+04	n	> S	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EC	111-76-2	3.1E+05	n	8.8E+01	n	---	8.8E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---	2.8E+05	n	4.4E+01	n	---	4.4E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---
Butyl acetate	123-86-4	1.7E+03	n	3.1E+01	n	---	3.1E+03	n	---	1.7E+03	n	4.4E+04	n	> S	---	8.9E+02	n	1.5E+01	n	---	1.5E+03	n	---	9.0E+02	n	2.8E+03	n	> S	---
Butyl acrylate	141-32-2	1.8E+02	n	3.1E+00	n	---	3.1E+02	n	---	1.9E+02	n	5.2E+03	n	---	---	9.5E+01	n	1.5E+00	n	---	1.5E+02	n	---	9.5E+01	n	3.4E+02	n	---	---
Butyl benzyl phthalate	85-68-7	2.8E+04	n	8.1E+03	n	> S	8.1E+05	n	> S	3.5E+04	n	1.0E+06	n	> S	---	1.6E+04	n	4.0E+03	n	> S	4.0E+05	n	> S	1.8E+04	n	1.0E+06	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	6.9E+03	n	3.6E+02	n	---	3.6E+04	n	> S	9.2E+03	n	6.3E+05	n	> S	---	4.0E+03	n	1.8E+02	n	---	1.8E+04	n	> S	4.7E+03	n	4.1E+04	n	> S	---
Butylbenzene, sec-	135-98-8	6.7E+03	n	2.5E+02	n	---	2.5E+04	n	> S	8.0E+03	n	4.7E+05	n	> S	---	3.7E+03	n	1.3E+02	n	---	1.3E+04	n	> S	4.1E+03	n	3.0E+04	n	> S	---
Butylbenzene, tert-	98-06-6	5.7E+03	n	3.0E+02	n	---	3.0E+04	n	> S	6.6E+03	n	3.6E+05	n	> S	---	3.2E+03	n	1.5E+02	n	---	1.5E+04	n	> S	3.4E+03	n	2.3E+04	n	> S	---
Butyl ether, n- (dibutyl ether)	142-96-1	3.1E+03	n	1.3E+02	n	---	1.3E+04	n	> S	3.2E+03	n	1.3E+05	n	> S	---	1.6E+03	n	6.5E+01	n	---	6.5E+03	n	> S	1.6E+03	n	8.1E+03	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	---	1.5E+02	m	---	---	---	---	---	---	---	8.5E+02	n	7.5E-01	m	---	7.5E+01	m	---	---	---	---	---	---	---
Calcium*	7440-70-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	105-60-2	4.6E+02	n	1.4E+02	n	---	1.4E+04	n	---	4.6E+02	n	1.3E+05	n	---	---	2.3E+02	n	7.0E+01	n	---	7.0E+03	n	---	2.3E+02	n	8.5E+03	n	---	---
Captan	133-06-2	5.5E+03	c	1.5E+02	c	> S	1.5E+04	c	> S	1.6E+04	n	1.0E+06	n	> S	---	5.5E+03	c	7.5E+01	c	> S	7.5E+03	c	> S	8.2E+03	n	1.0E+06	n	> S	---
Carbaryl	63-25-2	5.2E+03	n	8.2E+01	n	---	8.2E+03	n	> S	5.7E+03	n	1.0E+06	n	> S	---	2.8E+03	n	4.1E+01	n	---	4.1E+03	n	> S	2.9E+03	n	1.9E+05	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	---	---	---	---	---	---

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Carbofuran	1563-66-2	4.6E+01	n	1.2E-01	m ---	1.2E+01	m ---	4.7E+01	n	1.6E+04	n > S	---	2.4E+01	n	6.2E-02	m ---	6.2E+00	m ---	2.4E+01	n	1.1E+03	n > S	---
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 > S	---
Carbon tetrachloride	56-23-5	3.4E+01	c	6.2E-02	m ---	6.2E+00	m ---	4.0E+01	c	1.6E+02	c ---	---	1.9E+01	c	3.1E-02	m ---	3.1E+00	m ---	2.1E+01	c	1.1E+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+03	n	1.6E+01	n ---	1.6E+03	n ---	1.0E+03	n	2.5E+05	n ---	---	5.4E+02	n	7.9E+00	n ---	7.9E+02	n ---	5.4E+02	n	1.6E+04	n ---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	1.2E+03	n	1.6E+01	n ---	1.6E+03	n ---	1.2E+03	n	3.4E+05	n ---	---	6.0E+02	n	7.8E+00	n ---	7.8E+02	n ---	6.1E+02	n	2.3E+04	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	57-74-9	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+01	n	---	--- ---	---	--- ---	3.2E+01	n	---	--- ---	---	1.7E+01	n	---	--- ---	---	--- ---	1.7E+01	n	---	--- ---	---
Chloroaniline, p-	106-47-8	1.2E+03	n	1.3E+00	n ---	1.3E+02	n ---	2.0E+03	n	4.4E+05	n > S	---	7.5E+02	n	6.7E-01	n ---	6.7E+01	n ---	1.0E+03	n	2.8E+04	n > S	---
Chlorobenzene	108-90-7	1.2E+03	n	1.1E+00	m ---	1.1E+02	m ---	1.3E+03	n	2.1E+04	n > S	---	6.4E+02	n	5.5E-01	m ---	5.5E+01	m ---	6.6E+02	n	1.4E+03	n > S	---
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	1.0E+03	n	9.1E+00	n ---	9.1E+02	n ---	1.1E+03	n	9.8E+03	n ---	---	5.5E+02	n	4.5E+00	n ---	4.5E+02	n ---	5.5E+02	n	6.3E+02	n ---	---
Chloro-1,3-butadiene, 2-	126-99-8	1.5E+02	n	---	--- ---	---	--- ---	1.5E+02	n	3.3E+02	n ---	---	7.7E+01	n	---	--- ---	---	--- ---	7.7E+01	n	2.1E+01	n ---	---
Chlorodifluoromethane	75-45-6	1.0E+06	n	---	--- ---	---	--- ---	1.0E+06	n	1.0E+06	n ---	---	5.5E+05	n	---	--- ---	---	--- ---	5.5E+05	n	8.1E+04	n ---	---
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	4.8E+02	n	5.8E+01	n ---	5.8E+03	n ---	4.8E+02	n	1.0E+05	n ---	---	2.5E+02	n	2.9E+01	n ---	2.9E+03	n ---	2.5E+02	n	6.5E+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 ---	---
Chloro-3-methylphenol, 4-	59-50-7	3.2E+03	n	1.4E+01	n ---	1.4E+03	n ---	4.8E+04	n	1.0E+06	n > S	---	3.0E+03	n	6.8E+00	n ---	6.8E+02	n ---	2.5E+04	n	1.0E+06	n > S	---
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	1.1E+03	c	7.1E-01	c ---	7.1E+01	c ---	---	---	---	--- ---	---	1.1E+03	c	3.5E-01	c ---	3.5E+01	c ---	---	---	---	--- ---	---
Chlorophenol, 2-	95-57-8	3.2E+03	n	4.9E+00	n ---	4.9E+02	n ---	8.8E+03	n	1.0E+06	n > S	---	2.4E+03	n	2.4E+00	n ---	2.4E+02	n ---	4.5E+03	n	7.4E+04	n > S	---
Chlorophenol, 3-	108-43-0	2.9E+03	n	2.3E+00	n ---	2.3E+02	n ---	1.8E+04	n	1.0E+06	n > S	---	2.5E+03	n	1.2E+00	n ---	1.2E+02	n ---	9.1E+03	n	3.4E+05	n > S	---
Chlorophenol, 4-	106-48-9	2.9E+03	n	2.5E+00	n ---	2.5E+02	n ---	1.8E+04	n	1.0E+06	n > S	---	2.5E+03	n	1.2E+00	n ---	1.2E+02	n ---	9.5E+03	n	3.6E+05	n > S	---
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 > S	---
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 ---	---
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 ---	---	---	---	--- ---	---
Chlorothalonil	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	4.2E+03	n	2.7E+01	n ---	2.7E+03	n ---	6.0E+03	n	2.0E+05	n > S	---	2.5E+03	n	1.4E+01	n ---	1.4E+03	n ---	3.1E+03	n	1.3E+04	n > S	---
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	6.7E+00	n	3.2E+01	n ---	3.2E+03	n > S	6.7E+00	n	2.4E+02	n ---	---	3.5E+00	n	1.6E+01	n ---	1.6E+03	n > S	3.5E+00	n	1.6E+01	n ---	---
Chlorpyrifos	2921-88-2	3.9E+02	n	4.4E+01	n ---	4.4E+03	n > S	4.8E+02	n	4.5E+05	n > S	---	2.2E+02	n	2.2E+01	n ---	2.2E+03	n > S	2.5E+02	n	2.9E+04	n > S	---
Chromium (III) (total chromium)	16065-83-1/ 7440-47-3	9.5E+04	n	2.4E+03	m ---	2.4E+05	m ---	---	---	---	--- ---	---	5.7E+04	n	1.2E+03	m ---	1.2E+05	m ---	---	---	---	--- ---	---
Chromium (VI)	18540-29-9	1.0E+03	n	2.8E+01	m ---	2.8E+03	m ---	---	---	---	--- ---	---	1.0E+03	n	1.4E+01	m ---	1.4E+03	m ---	---	---	---	--- ---	---
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	1.7E+05	c > S	5.1E+05	c	1.0E+06	c > S	---
Cobalt	7440-48-4	1.9E+04	n	4.0E+03	n ---	4.0E+05	n ---	---	---	---	--- ---	---	1.1E+04	n	2.0E+03	n ---	2.0E+05	n ---	---	---	---	--- ---	---
Copolymer acrylamide	69418-26-4	4.8E+00	n	2.8E-02	n ---	2.8E+00	n ---	5.0E+00	n	1.3E+03	n ---	---	2.5E+00	n	1.4E-02	n ---	1.4E+00	n ---	2.6E+00	n	8.7E+01	n ---	---
Copper	7440-50-8	3.8E+04	n	1.0E+03	a ---	1.0E+05	a ---	---	---	---	--- ---	8.0E+02	3.7E+04	n	5.2E+02	a ---	5.2E+04	a ---	---	---	---	--- ---	4.0E+02

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Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
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, m- (3-methylphenol)	108-39-4	3.7E+03	n	2.0E+01	n ---	2.0E+03	n ---	4.2E+03	n	9.3E+05	n	> S	2.0E+03	n	9.9E+00	n ---	9.9E+02	n ---	2.1E+03	n	6.0E+04	n	> S
Cresol, o- (2-methylphenol)	95-48-7	3.5E+03	n	2.1E+01	n ---	2.1E+03	n ---	4.0E+03	n	8.2E+05	n	> S	1.9E+03	n	1.1E+01	n ---	1.1E+03	n ---	2.0E+03	n	5.3E+04	n	> S
Cresol, p- (4-methylphenol)	106-44-5	1.8E+03	n	1.9E+00	n ---	1.9E+02	n ---	4.0E+03	n	8.6E+05	n	> S	1.3E+03	n	9.4E-01	n ---	9.4E+01	n ---	2.0E+03	n	5.5E+04	n	> S
Crotonaldehyde	123-73-9	1.5E+01	c	2.1E-03	c ---	2.1E-01	c ---	2.7E+02	n	1.8E+04	n	---	1.5E+01	c	1.1E-03	c ---	1.1E-01	c ---	1.4E+02	n	1.1E+03	n	---
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	1.9E+04	n	4.0E+01	m ---	4.0E+03	m ---	---	---	---	---	---	1.9E+04	n	2.0E+01	m ---	2.0E+03	m ---	---	---	---	---	---
Cyanogen	460-19-5	4.5E+02	n	7.3E+00	n ---	7.3E+02	n ---	4.5E+02	n	6.7E+02	n	---	2.3E+02	n	3.6E+00	n ---	3.6E+02	n ---	2.3E+02	n	4.3E+01	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	2.1E+04	n	1.8E+04	n > S	1.0E+06	n > S	2.1E+04	n	6.7E+04	n	> S	1.1E+04	n	8.8E+03	n > S	8.8E+05	n > S	1.1E+04	n	4.3E+03	n	> S
Cyclohexanol	108-93-0	4.3E+04	n	8.8E+02	n > S	8.8E+04	n > S	4.4E+04	n	1.0E+06	n	> S	2.2E+04	n	4.4E+02	n > S	4.4E+04	n > S	2.2E+04	n	6.0E+05	n	> S
Cyclohexanone	108-94-1	7.0E+03	n	7.8E+02	n ---	7.8E+04	n > S	7.0E+03	n	6.0E+05	n	> S	3.6E+03	n	3.9E+02	n ---	3.9E+04	n > S	3.6E+03	n	3.9E+04	n	> S
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	6.0E+02	n	7.0E+00	n ---	7.0E+02	n ---	6.4E+02	n	1.0E+06	n	> S	3.2E+02	n	3.5E+00	n ---	3.5E+02	n ---	3.3E+02	n	1.0E+06	n	> S
Cyclotrimethylenetrinitramine (RDX)	121-82-4	7.6E+01	n	8.3E-02	c ---	8.3E+00	c ---	7.9E+01	n	7.3E+03	n	> S	4.0E+01	n	4.1E-02	c ---	4.1E+00	c ---	4.1E+01	n	4.7E+02	n	> S
Cymene (isopropyltoluene)	99-87-6	8.8E+03	n	6.9E+02	n ---	6.9E+04	n > S	9.6E+03	n	6.1E+05	n	> S	4.7E+03	n	3.5E+02	n ---	3.5E+04	n > S	4.9E+03	n	3.9E+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,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
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
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	---	---	---	---	---
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 ---	---	---	---	---	---
Dibromo-3-chloropropane, 1,2-	96-12-8	1.1E+01	n	1.7E-03	m ---	1.7E-01	m ---	1.1E+01	n	3.9E+02	n	---	5.8E+00	n	8.7E-04	m ---	8.7E-02	m ---	5.8E+00	n	2.5E+01	n	---
Dibromofluoromethane	1868-53-7	7.0E+04	n	4.7E+01	n ---	4.7E+03	n ---	1.1E+05	n	5.8E+05	n	> S	4.4E+04	n	2.3E+01	n ---	2.3E+03	n ---	5.5E+04	n	3.8E+04	n	> S
Dicamba	1918-00-9	2.2E+03	n	4.4E+00	n ---	4.4E+02	n ---	2.5E+03	n	8.5E+05	n	> S	1.2E+03	n	2.2E+00	n ---	2.2E+02	n ---	1.3E+03	n	5.5E+04	n	> S
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	> S
Dichlorobenzene, 1,4-	106-46-7	1.2E+03	c	2.1E+00	m ---	2.1E+02	m ---	2.5E+04	n	1.0E+06	n	> S	1.2E+03	c	1.1E+00	m ---	1.1E+02	m ---	1.3E+04	n	6.6E+04	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	---
Dichloro-2-butene, 1,4-	764-41-0	5.4E-01	c	---	--- ---	---	--- ---	5.4E-01	c	1.7E+01	c	---	2.8E-01	c	---	--- ---	---	--- ---	2.8E-01	c	1.1E+00	c	---
Dichloro-2-butene, 1,4- trans	110-57-6	5.5E-01	c	---	--- ---	---	--- ---	5.5E-01	c	1.8E+01	c	---	2.9E-01	c	---	--- ---	---	--- ---	2.9E-01	c	1.2E+00	c	---
Dichlorodifluoromethane	75-71-8	7.0E+04	n	7.2E+02	n ---	7.2E+04	n > S	1.1E+05	n	2.0E+05	n	> S	4.3E+04	n	3.6E+02	n ---	3.6E+04	n > S	5.5E+04	n	1.3E+04	n	> S
Dichloroethane, 1,1-	75-34-3	7.9E+03	n	2.8E+01	n ---	2.8E+03	n ---	8.6E+03	n	3.8E+04	n	> S	4.2E+03	n	1.4E+01	n ---	1.4E+03	n ---	4.4E+03	n	2.5E+03	n	> S
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	4.0E+03	n	5.0E-02	m ---	5.0E+00	m ---	4.3E+03	n	9.8E+03	n	---	2.1E+03	n	2.5E-02	m ---	2.5E+00	m ---	2.2E+03	n	6.3E+02	n	---
Dichloroethylene, cis-1,2-	156-59-2	6.4E+03	n	2.5E-01	m ---	2.5E+01	m ---	1.7E+04	n	8.1E+04	n	> S	4.7E+03	n	1.2E-01	m ---	1.2E+01	m ---	8.8E+03	n	5.2E+03	n	> S

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Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Dichloroethylene, trans-1,2	156-60-5	9.3E+03	n	4.9E-01	m ---	4.9E+01	m ---	1.7E+04	n	7.0E+04	n > S	---	6.1E+03	n	2.5E-01	m ---	2.5E+01	m ---	8.8E+03	n	4.5E+03	n > S	---
Dichlorophenol, 2,3-	576-24-9	1.9E+03	n	1.6E+00	n ---	1.6E+02	n ---	3.5E+04	n	1.0E+06	n > S	---	1.8E+03	n	8.1E-01	n ---	8.1E+01	n ---	1.8E+04	n	7.4E+05	n > S	---
Dichlorophenol, 2,4-	120-83-2	1.8E+03	n	1.1E+00	n ---	1.1E+02	n ---	1.9E+04	n	1.0E+06	n > S	---	1.7E+03	n	5.3E-01	n ---	5.3E+01	n ---	9.6E+03	n	2.4E+05	n > S	---
Dichlorophenol, 2,5-	583-78-8	1.9E+03	n	1.5E+00	n ---	1.5E+02	n ---	3.4E+04	n	1.0E+06	n > S	---	1.8E+03	n	7.5E-01	n ---	7.5E+01	n ---	1.7E+04	n	6.9E+05	n > S	---
Dichlorophenol, 2,6-	87-65-0	6.1E+02	n	2.0E-01	n ---	2.0E+01	n ---	5.7E+03	n	1.0E+06	n > S	---	5.5E+02	n	1.0E-01	n ---	1.0E+01	n ---	2.9E+03	n	9.3E+04	n > S	---
Dichlorophenol, 3,4-	95-77-2	2.0E+03	n	6.0E+00	n ---	6.0E+02	n ---	7.9E+04	n	1.0E+06	n > S	---	1.9E+03	n	3.0E+00	n ---	3.0E+02	n ---	4.1E+04	n	1.0E+06	n > S	---
Dichlorophenol, 3,5-	591-35-5	2.0E+03	n	4.0E+00	n ---	4.0E+02	n ---	6.2E+04	n	1.0E+06	n > S	---	1.9E+03	n	2.0E+00	n ---	2.0E+02	n ---	3.2E+04	n	1.0E+06	n > S	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	1.6E+03	n	2.6E+00	m ---	2.6E+02	m ---	2.0E+03	n	1.0E+06	n > S	---	9.2E+02	n	1.3E+00	m ---	1.3E+02	m ---	1.0E+03	n	1.1E+05	n > S	---
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 ---	---	---	---	--- ---	---
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 ---	1.4E+02	n	1.3E+03	n ---	---	4.3E+01	n	7.4E-03	c ---	7.4E-01	c ---	7.4E+01	n	8.2E+01	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	3.1E+04	n	---	--- ---	---	--- ---	---	---	---	--- ---	---	3.1E+04	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	1.8E+02	n	7.0E-02	n ---	7.0E+00	n ---	3.9E+02	n	4.2E+05	n ---	---	1.3E+02	n	3.5E-02	n ---	3.5E+00	n ---	2.0E+02	n	1.6E+05	n ---	---
Diethyl phthalate	84-66-2	4.0E+03	n	4.7E+02	n ---	4.7E+04	n > S	4.0E+03	n	1.0E+06	n > S	---	2.0E+03	n	2.3E+02	n ---	2.3E+04	n > S	2.1E+03	n	9.8E+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	5.2E+03	n	1.4E+01	n ---	1.4E+03	n ---	5.7E+03	n	1.0E+06	n > S	---	2.8E+03	n	7.0E+00	n ---	7.0E+02	n ---	2.9E+03	n	1.2E+05	n > S	---
Diethylhexyl adipate	103-23-1	1.6E+04	c	6.1E+03	m > S	6.1E+05	m > S	4.5E+04	n	1.0E+06	n > S	---	1.6E+04	c	3.0E+03	m > S	3.0E+05	m > S	2.3E+04	n	1.0E+06	n > 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	---
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	2.1E+01	n	3.6E+01	n ---	3.6E+03	n ---	2.1E+01	n	1.9E+02	n ---	---	1.1E+01	n	1.8E+01	n ---	1.8E+03	n ---	1.1E+01	n	1.2E+01	n ---	---
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 ---	---	---	---	--- ---	---
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	2.1E+00	c	2.2E-03	c ---	2.2E-01	c ---	---	---	---	--- ---	---	2.1E+00	c	1.1E-03	c ---	1.1E-01	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	---	---	---	--- ---	---
Dimethyl phenol, 2,4-	105-67-9	4.7E+03	n	9.7E+00	n ---	9.7E+02	n ---	7.1E+03	n	1.0E+06	n > S	---	2.9E+03	n	4.8E+00	n ---	4.8E+02	n ---	3.6E+03	n	9.8E+04	n > S	---
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.4E+03	n	1.1E+00	n ---	1.1E+02	n ---	2.9E+05	n	1.0E+06	n > S	---	1.4E+03	n	5.6E-01	n ---	5.6E+01	n ---	1.5E+05	n	1.0E+06	n > S	---
Dimethylphthalate	131-11-3	1.8E+03	n	1.9E+02	n ---	1.9E+04	n > S	1.8E+03	n	4.7E+05	n > S	---	9.3E+02	n	9.3E+01	n ---	9.3E+03	n > S	9.3E+02	n	3.0E+04	n > S	---
Di-n-butyl phthalate	84-74-2	2.6E+04	n	9.9E+03	n ---	9.9E+05	n > S	4.2E+04	n	1.0E+06	n > S	---	1.6E+04	n	5.0E+03	n ---	5.0E+05	n > S	2.1E+04	n	1.0E+06	n > S	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	5.7E+01	n	2.3E-02	n ---	2.3E+00	n ---	3.4E+02	n	8.3E+04	n > S	---	4.9E+01	n	1.1E-02	n ---	1.1E+00	n ---	1.7E+02	n	5.4E+03	n > S	---
Dinitrobenzene, 1,4-	100-25-4	1.6E+02	n	8.7E-02	n ---	8.7E+00	n ---	3.8E+02	n	1.1E+05	n > S	---	1.1E+02	n	4.3E-02	n ---	4.3E+00	n ---	1.9E+02	n	7.0E+03	n > S	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	6.3E+01	n	2.8E-01	n ---	2.8E+01	n ---	6.6E+01	n	2.3E+04	n > S	---	3.3E+01	n	1.4E-01	n ---	1.4E+01	n ---	3.4E+01	n	1.5E+03	n > S	---
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 ---	4.1E+01	n	6.8E+03	n > S	---	2.1E+01	n	6.0E-03	c ---	6.0E-01	c ---	2.1E+01	n	4.4E+02	n > S	---
Dinitrotoluene, 2,6-	606-20-2	2.8E+01	c	1.1E-02	c ---	1.1E+00	c ---	6.0E+01	n	1.6E+04	n > S	---	2.8E+01	c	5.4E-03	c ---	5.4E-01	c ---	3.1E+01	n	1.0E+03	n > S	---

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Di-n-octyl phthalate	117-84-0	1.4E+04	n	1.0E+06	n > S	1.0E+06	n > S	---	---	---	---	---	1.4E+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	2.6E+03	c	3.6E-01	c ---	3.6E+01	c ---	4.9E+03	n	4.0E+05	n	---	2.5E+03	n	1.8E-01	c ---	1.8E+01	c ---	2.5E+03	n	2.6E+04	n	---
Diphenylamine	122-39-4	4.1E+03	n	2.9E+01	n ---	2.9E+03	n ---	5.3E+03	n	1.0E+06	n	> S	2.4E+03	n	1.4E+01	n ---	1.4E+03	n ---	2.7E+03	n	7.9E+04	n	> S
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	> S
Diphenyl oxide	101-84-8	1.8E+03	n	2.7E+02	n ---	2.7E+04	n > S	3.1E+03	n	7.7E+05	n	> S	1.1E+03	n	1.4E+02	n ---	1.4E+04	n > S	1.6E+03	n	5.0E+04	n	> S
Diquat	85-00-7	1.0E+02	n	2.0E-01	m ---	2.0E+01	m ---	1.1E+02	n	6.0E+05	n	---	5.3E+01	n	1.0E-01	m ---	1.0E+01	m ---	5.5E+01	n	2.8E+05	n	---
Disulfoton	298-04-4	2.4E+01	n	1.0E+00	n ---	1.0E+02	n ---	2.1E+02	n	1.8E+05	n	> S	2.2E+01	n	5.2E-01	n ---	5.2E+01	n ---	1.1E+02	n	1.1E+04	n	> S
Diuron	330-54-1	1.3E+03	n	2.8E+00	n ---	2.8E+02	n ---	1.6E+04	n	1.0E+06	n	> S	1.2E+03	n	1.4E+00	n ---	1.4E+02	n ---	8.0E+03	n	6.7E+05	n	> S
Endosulfan	115-29-7	1.1E+02	n	1.4E+01	n ---	1.4E+03	n > S	1.1E+02	n	5.1E+04	n	> S	5.6E+01	n	6.9E+00	n ---	6.9E+02	n > S	5.7E+01	n	3.3E+03	n	> S
Endosulfan I	959-98-8	2.2E+02	n	9.2E+01	n ---	9.2E+03	n > S	2.6E+02	n	8.0E+05	n	> S	1.2E+02	n	4.6E+01	n ---	4.6E+03	n > S	1.3E+02	n	5.2E+04	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	1.6E+02	n	7.5E-01	m ---	7.5E+01	m ---	6.6E+02	n	1.0E+06	n	> S	1.3E+02	n	3.8E-01	m ---	3.8E+01	m ---	3.4E+02	n	1.1E+05	n	> S
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	1.9E+02	n	1.5E+02	n ---	1.5E+04	n > S	2.6E+03	n	1.0E+06	n	> S	1.8E+02	n	7.6E+01	n ---	7.6E+03	n > S	1.4E+03	n	1.0E+06	n	> S
Epichlorohydrin	106-89-8	3.6E+01	n	2.9E-01	n ---	2.9E+01	n ---	3.7E+01	n	2.0E+03	n	---	1.9E+01	n	1.5E-01	n ---	1.5E+01	n ---	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	---	---	---	---	---
Ethalfluralin (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	1.2E+05	n	4.7E+03	n ---	4.7E+05	n ---	1.2E+05	n	1.0E+06	n	> S	6.3E+04	n	2.4E+03	n ---	2.4E+05	n ---	6.4E+04	n	7.7E+05	n	> S
Ethion	563-12-2	3.1E+02	n	2.3E+01	n ---	2.3E+03	n > S	3.2E+03	n	1.0E+06	n	> S	2.8E+02	n	1.1E+01	n ---	1.1E+03	n > S	1.7E+03	n	6.7E+05	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	3.1E+04	n	1.4E+02	n ---	1.4E+04	n ---	3.2E+04	n	1.0E+06	n	> S	1.6E+04	n	7.0E+01	n ---	7.0E+03	n ---	1.7E+04	n	6.4E+04	n	> S
Ethyl acrylate	140-88-5	6.0E+02	c	2.7E-01	c ---	2.7E+01	c ---	6.8E+02	n	1.9E+04	n	---	3.5E+02	n	1.3E-01	c ---	1.3E+01	c ---	3.5E+02	n	1.2E+03	n	---
Ethyl benzene	100-41-4	1.8E+04	n	7.6E+00	m ---	7.6E+02	m ---	2.1E+04	n	2.4E+05	n	> S	1.0E+04	n	3.8E+00	m ---	3.8E+02	m ---	1.1E+04	n	1.5E+04	n	> S
Ethyl dipropylthiocarbamate, S-	759-94-4	1.7E+04	n	2.1E+01	n ---	2.1E+03	n ---	---	---	---	---	---	1.7E+04	n	1.1E+01	n ---	1.1E+03	n ---	---	---	---	---	---
Ethylene*	74-85-1	---	---	---	--- ---	---	--- ---	---	---	---	---	---	---	---	---	--- ---	---	--- ---	---	---	---	---	---
Ethylenediamine	107-15-3	4.2E+03	n	3.1E+00	n ---	3.1E+02	n ---	5.2E+03	n	1.0E+06	n	---	2.4E+03	n	1.5E+00	n ---	1.5E+02	n ---	2.7E+03	n	8.7E+04	n	---
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	3.1E-01	c	2.1E-04	m ---	2.1E-02	m ---	4.4E+00	c	1.1E+02	c	---	2.9E-01	c	1.0E-04	m ---	1.0E-02	m ---	2.3E+00	c	6.8E+00	c	---
Ethylene glycol	107-21-1	4.3E+03	n	2.8E+02	n ---	2.8E+04	n ---	4.3E+03	n	1.0E+06	n	---	2.2E+03	n	1.4E+02	n ---	1.4E+04	n ---	2.2E+03	n	7.2E+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	5.0E+01	n	1.1E-02	n ---	1.1E+00	n ---	6.9E+02	n	1.5E+05	n	> S	4.7E+01	n	5.6E-03	n ---	5.6E-01	n ---	3.5E+02	n	9.4E+03	n	> S
Ethyl ether	60-29-7	2.3E+04	n	3.3E+01	n ---	3.3E+03	n ---	2.6E+04	n	2.7E+05	n	> S	1.3E+04	n	1.7E+01	n ---	1.7E+03	n ---	1.3E+04	n	1.7E+04	n	> S
Ethyl-1-hexanol, 2-	104-76-7	3.5E+04	n	2.3E+02	n ---	2.3E+04	n > S	5.3E+04	n	1.0E+06	n	> S	2.1E+04	n	1.1E+02	n ---	1.1E+04	n > S	2.7E+04	n	4.9E+05	n	> S
Ethyl-2-hexenal, 2-	645-62-5	6.3E+03	n	8.4E+01	n ---	8.4E+03	n > S	6.6E+03	n	2.0E+05	n	> S	3.3E+03	n	4.2E+01	n ---	4.2E+03	n > S	3.4E+03	n	1.3E+04	n	> S
Ethylhexyl acrylate, 2-	103-11-7	4.0E+02	c	1.7E+01	c ---	1.7E+03	c ---	3.9E+03	n	7.5E+05	n	---	4.0E+02	c	8.6E+00	c ---	8.6E+02	c ---	2.0E+03	n	4.9E+04	n	---
Ethyl methacrylate	97-63-2	1.4E+04	n	2.2E+01	n ---	2.2E+03	n ---	1.6E+04	n	4.5E+05	n	> S	7.8E+03	n	1.1E+01	n ---	1.1E+03	n ---	8.5E+03	n	2.9E+04	n	> S
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-2-methyl benzene, 1-	611-14-3	1.1E+04	n	6.6E+02	n ---	6.6E+04	n > S	1.2E+04	n	5.8E+05	n	> S	5.9E+03	n	3.3E+02	n ---	3.3E+04	n > S	6.1E+03	n	3.8E+04	n	> S
Ethyl-4-methyl benzene, 1-	622-96-8	9.6E+03	n	7.2E+02	n ---	7.2E+04	n > S	1.0E+04	n	4.8E+05	n	> S	5.1E+03	n	3.6E+02	n ---	3.6E+04	n > S	5.2E+03	n	3.1E+04	n	> S
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	> S
Famphur	52-85-7	1.9E+01	n	5.4E-03	n ---	5.4E-01	n ---	3.8E+02	n	1.9E+05	n	> S	1.8E+01	n	2.7E-03	n ---	2.7E-01	n ---	1.9E+02	n	3.6E+04	n	> S
Fensulfothion	115-90-2	6.8E+02	n	1.0E+00	n ---	1.0E+02	n ---	---	---	---	---	---	6.8E+02	n	5.2E-01	n ---	5.2E+01	n ---	---	---	---	---	---
Fenthion	55-38-9	4.8E+01	n	2.3E-01	n ---	2.3E+01	n ---	---	---	---	---	---	4.8E+01	n	1.2E-01	n ---	1.2E+01	n ---	---	---	---	---	---
Fluoranthene	206-44-0	2.5E+04	n	5.7E+03	n > S	5.7E+05	n > S	---	---	---	---	---	2.5E+04	n	2.9E+03	n > S	2.9E+05	n > S	---	---	---	---	---

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area																30 acre source area											
		$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL	$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL
		(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)		note[3]	(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)	(mg/kg)		(mg/kg)		note[3]	(mg/kg)		note[3]	(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)
Fluorene	86-73-7	2.5E+04	n	8.9E+02	n	> S	8.9E+04	n	> S	---	---	---	---	---	---	2.5E+04	n	4.5E+02	n	> S	4.5E+04	n	> S	---	---	---	---	---	---
Fluorine (soluble fluoride)	7782-41-4	5.8E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	5.8E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Fonofos	944-22-9	1.4E+03	n	2.1E+01	n	---	2.1E+03	n	> S	---	---	---	---	---	---	1.4E+03	n	1.1E+01	n	---	1.1E+03	n	> S	---	---	---	---	---	---
Formaldehyde	50-00-0	2.7E+02	c	2.9E+01	n	---	2.9E+03	n	---	2.7E+02	c	4.7E+04	c	---	---	1.4E+02	c	1.5E+01	n	---	1.5E+03	n	---	1.4E+02	c	3.1E+03	c	---	---
Formic acid	64-18-6	9.3E+02	n	2.8E+02	n	---	2.8E+04	n	---	9.3E+02	n	1.5E+05	n	---	---	4.8E+02	n	1.4E+02	n	---	1.4E+04	n	---	4.8E+02	n	9.6E+03	n	---	---
Furan	110-00-9	3.8E+02	n	2.4E-01	n	---	2.4E+01	n	---	6.0E+02	n	1.9E+03	n	---	---	2.4E+02	n	1.2E-01	n	---	1.2E+01	n	---	3.1E+02	n	1.2E+02	n	---	---
Furfural	98-01-1	6.7E+02	n	4.4E-01	n	---	4.4E+01	n	---	8.5E+02	n	1.2E+05	n	---	---	3.8E+02	n	2.2E-01	n	---	2.2E+01	n	---	4.4E+02	n	7.9E+03	n	---	---
Glycidylaldehyde	765-34-4	1.4E+02	n	6.7E-02	n	---	6.7E+00	n	---	2.1E+02	n	4.6E+04	n	---	---	8.5E+01	n	3.3E-02	n	---	3.3E+00	n	---	1.1E+02	n	3.0E+03	n	---	---
Glyphosate	1071-83-6	6.8E+04	n	1.3E+00	m	---	1.3E+02	m	---	---	---	---	---	---	---	6.8E+04	n	6.7E-01	m	---	6.7E+01	m	---	---	---	---	---	---	---
Heptachlor	76-44-8	3.3E+00	c	1.9E-01	m	---	1.9E+01	m	---	1.5E+01	c	5.0E+03	c	> S	---	2.8E+00	c	9.4E-02	m	---	9.4E+00	m	---	7.9E+00	c	3.2E+02	c	> S	---
Heptachlor epoxide	1024-57-3	2.0E+00	c	5.8E-02	m	---	5.8E+00	m	---	4.0E+01	c	5.8E+04	c	> S	---	1.9E+00	c	2.9E-02	m	---	2.9E+00	m	---	2.1E+01	c	3.8E+03	c	> S	---
Heptane, n-	142-82-5	5.3E+04	n	2.1E+03	n	> S	2.1E+05	n	> S	3.9E+05	n	1.0E+06	n	> S	---	4.7E+04	n	1.1E+03	n	> S	1.1E+05	n	> S	2.0E+05	n	7.7E+04	n	> S	---
Heptanoic acid, n-	111-14-8	1.7E+02	n	7.1E+01	n	---	7.1E+03	n	> S	1.7E+02	n	4.5E+04	n	> S	---	8.8E+01	n	3.5E+01	n	---	3.5E+03	n	> S	8.8E+01	n	2.9E+03	n	> S	---
Hexachlorobenzene	118-74-1	8.7E+00	c	1.1E+00	m	---	1.1E+02	m	> S	3.2E+01	c	1.1E+04	c	> S	---	6.9E+00	c	5.6E-01	m	---	5.6E+01	m	> S	1.6E+01	c	7.0E+02	c	> S	---
Hexachlorobutadiene	87-68-3	4.1E+01	c	4.1E+00	n	---	4.1E+02	n	---	4.9E+01	c	4.2E+03	c	> S	---	2.3E+01	c	2.1E+00	n	---	2.1E+02	n	---	2.5E+01	c	2.7E+02	c	> S	---
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	3.3E+00	c	1.8E-02	c	---	1.8E+00	c	---	2.3E+01	c	1.4E+04	c	> S	---	2.9E+00	c	8.9E-03	c	---	8.9E-01	c	---	1.2E+01	c	9.1E+02	c	> S	---
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	1.2E+01	c	6.5E-02	c	---	6.5E+00	c	---	1.2E+02	c	1.1E+05	c	> S	---	1.1E+01	c	3.2E-02	c	---	3.2E+00	c	---	6.2E+01	c	7.1E+03	c	> S	---
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	1.2E+01	c	3.9E-01	c	---	3.9E+01	c	---	1.7E+02	c	2.1E+05	c	> S	---	1.2E+01	c	1.9E-01	c	---	1.9E+01	c	---	8.8E+01	c	1.3E+04	c	> S	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.8E+01	c	9.2E-03	m	---	9.2E-01	m	---	8.1E+02	n	5.3E+05	n	> S	---	1.8E+01	c	4.6E-03	m	---	4.6E-01	m	---	4.2E+02	n	3.5E+04	n	> S	---
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.2E+01	c	1.1E-01	c	---	1.1E+01	c	---	1.5E+02	c	1.6E+05	c	> S	---	1.1E+01	c	5.6E-02	c	---	5.6E+00	c	---	7.7E+01	c	1.1E+04	c	> S	---
Hexachlorocyclopentadiene (HCCPD)	77-47-4	2.0E+01	n	1.9E+01	m	---	1.9E+03	m	> S	2.0E+01	n	2.9E+03	n	> S	---	1.0E+01	n	9.6E+00	m	---	9.6E+02	m	> S	1.0E+01	n	1.9E+02	n	> S	---
Hexachloroethane	67-72-1	6.8E+02	n	5.5E+00	n	---	5.5E+02	n	---	1.6E+03	c	1.8E+05	c	> S	---	5.2E+02	c	2.7E+00	n	---	2.7E+02	n	---	8.3E+02	c	1.2E+04	c	> S	---
Hexachlorophene	70-30-4	2.0E+02	n	1.8E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	2.0E+02	n	8.8E+03	n	> S	8.8E+05	n	> S	---	---	---	---	---	---
Hexachloropropylene	1888-71-7	6.8E+02	n	3.1E+01	n	---	3.1E+03	n	---	1.7E+03	c	3.0E+05	c	> S	---	5.3E+02	c	1.6E+01	n	---	1.6E+03	n	---	8.6E+02	c	1.9E+04	c	> S	---
Hexane, n-	110-54-3	4.0E+03	n	6.1E+02	n	---	6.1E+04	n	> S	4.3E+03	n	2.2E+03	n	> S	---	2.1E+03	n	3.0E+02	n	---	3.0E+04	n	> S	2.2E+03	n	1.4E+02	n	> S	---
Hexanediol, 1,6-	629-11-8	1.0E+06	n	7.8E+02	n	---	7.8E+04	n	> S	1.0E+06	n	1.0E+06	n	> S	---	1.0E+06	n	3.9E+02	n	---	3.9E+04	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Hexanoic acid	142-62-1	1.9E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.9E+02	n	5.7E+04	n	> S	---	9.8E+01	n	3.5E+01	n	---	3.5E+03	n	---	9.8E+01	n	3.7E+03	n	> S	---
Hexanone, 2-	591-78-6	1.5E+02	n	1.2E+01	n	---	1.2E+03	n	---	1.5E+02	n	5.7E+03	n	---	---	7.9E+01	n	5.8E+00	n	---	5.8E+02	n	---	7.9E+01	n	3.7E+02	n	---	---
Hexazinone	51235-04-2	2.4E+03	n	8.2E+00	n	---	8.2E+02	n	---	2.6E+03	n	1.0E+06	n	> S	---	1.3E+03	n	4.1E+00	n	---	4.1E+02	n	---	1.4E+03	n	2.1E+05	n	> S	---
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	3.5E+01	n	4.4E+01	n	---	4.4E+03	n	---	3.5E+01	n	1.1E+04	n	---	---	1.8E+01	n	2.2E+01	n	---	2.2E+03	n	---	1.8E+01	n	7.2E+02	n	---	---
Hydrazine	302-01-2	7.2E-01	c	1.3E-03	c	---	1.3E-01	c	---	7.8E-01	c	1.6E+02	c	---	---	3.8E-01	c	6.5E-04	c	---	6.5E-02	c	---	4.0E-01	c	1.1E+01	c	---	---
Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	95-13-6	1.6E+02	n	2.1E+01	n	---	2.1E+03	n	---	1.6E+02	n	5.6E+03	n	---	---	8.0E+01	n	1.1E+01	n	---	1.1E+03	n	---	8.1E+01	n	3.6E+02	n	---	---
Indeno-1,2,3-cd-pyrene	193-39-5	2.4E+01	c	3.9E+02	c	---	3.9E+04	c	> S	4.2E+04	c	1.0E+06	c	> S	---	2.4E+01	c	1.9E+02	c	> S	1.9E+04	c	> S	2.2E+04	c	1.0E+06	c	> S	---
Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	78-83-1	9.9E+03	n	4.7E+01	n	---	4.7E+03	n	---	1.0E+04	n	8.3E+05	n	> S	---	5.2E+03	n	2.3E+01	n	---	2.3E+03	n	---	5.3E+03	n	5.4E+04	n	> S	---
Isobutylene (2-methyl-1-propene)	115-11-7	8.6E+04	n	---	---	---	---	---	---	8.6E+04	n	9.4E+04	n	---	---	4.4E+04	n	---	---	---	---	---	---	4.4E+04	n	6.1E+03	n	---	---
Isobutyric acid (2-methylpropanoic acid)	79-31-2	1.6E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.6E+02	n	4.0E+04	n	---	---	8.2E+01	n	3.5E+01	n	---	3.5E+03	n	---	8.2E+01	n	2.6E+03	n	---	---
Isodrin	465-73-6	1.1E-01	c	3.3E+00	c	---	3.3E+02	c	---	2.9E+00	c	1.6E+04	c	> S	---	1.0E-01	c	1.7E+00	c	---	1.7E+02	c	---	1.5E+00	c	1.0E+03	c	> S	---
Isophorone	78-59-1	3.7E+03	n	6.7E+00	c	---	6.7E+02	c	---	3.8E+03	n	4.5E+05	n	> S	---	1.9E+03	n	3.4E+00	c	---	3.4E+02	c	---	1.9E+03	n	2.9E+04	n	> S	---
Isopropyl acetate	108-21-4	7.2E+04	n	1.2E+01	n	---	1.2E+03	n	---	---	---	---	---	---	---	7.2E+04	n	6.0E+00	n	---	6.0E+02	n	---	---	---	---	---	---	---
Isopropyl alcohol	67-63-0	3.9E+04	n	3.0E+01	n	---	3.0E+03	n	---	4.7E+04	n	1.0E+06	n	> S	---	2.2E+04	n	1.5E+01	n	---	1.5E+03	n	---	2.4E+04	n	2.7E+05	n	> S	---
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	> S	---
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	1.2E+00	c	1.4E-01	c	---	1.4E+01	c	---	8.2E+01	c	4.3E+05	c	> S	---	1.2E+00	c	6.9E-02	c	---	6.9E+00	c	---	4.2E+01	c	2.8E+04	c	> S	---
Lead (inorganic)	7439-92-1	1.6E+03	---	3.0E+00	a	---	3.0E+02	a	---	---	---	---	---	---	---	1.6E+03	---	1.5E+00	a	---	1.5E+02	a	---	---	---	---	---	---	---
Limonene, d-*	5989-27-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium[5]	7439-93-2	1.9E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	1.9E+04	n	---	---	---	---	---	---	---	---	---	---	---	---

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Magnesium*	7439-95-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	121-75-5	4.6E+03	n	2.0E+01	n	---	2.0E+03	n	> S	7.0E+03	n	1.0E+06	n	> S	---	2.9E+03	n	9.8E+00	n	---	9.8E+02	n	> S	3.6E+03	n	2.8E+05	n	> S	---
Maleic anhydride	108-31-6	2.9E+02	n	2.1E+01	n	---	2.1E+03	n	---	2.9E+02	n	6.5E+04	n	> S	---	1.5E+02	n	1.1E+01	n	---	1.1E+03	n	---	1.5E+02	n	4.2E+03	n	> S	---
Maleic hydrazide	123-33-1	3.2E+04	n	1.1E+02	n	---	1.1E+04	n	---	3.5E+04	n	1.0E+06	n	> S	---	1.7E+04	n	5.3E+01	n	---	5.3E+03	n	---	1.8E+04	n	1.0E+06	n	> S	---
Malononitrile	109-77-3	1.4E+01	n	3.1E-03	n	---	3.1E-01	n	---	1.7E+03	n	4.4E+05	n	---	---	1.3E+01	n	1.5E-03	n	---	1.5E-01	n	---	8.8E+02	n	2.9E+04	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	---	1.0E+06	n	---	---	---	---	---	---	5.0E+01	2.4E+04	n	5.1E+03	n	---	5.1E+05	n	---	---	---	---	---	---	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)	7085-19-0/ 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	---	---	---	---	---	---	---
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	---	---	---	---	---	---
Mercury (pH = 4.9)	7439-97-6/ 7487-94-7	6.2E+00	n	7.8E-03	m	---	7.8E-01	m	> S	6.4E+00	n	4.0E+01	n	> S	---	3.3E+00	n	3.9E-03	m	---	3.9E-01	m	> S	3.3E+00	n	2.6E+00	n	> S	---
Mercury (pH = 6.8)	7439-97-6/ 7487-94-7	1.9E+01	n	2.1E+00	m	---	2.1E+02	m	> S	2.2E+01	n	1.1E+04	n	> S	---	1.1E+01	n	1.0E+00	m	---	1.0E+02	m	> S	1.1E+01	n	6.9E+02	n	> S	---
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	2.8E+03	n	1.4E+00	n	---	1.4E+02	n	---	3.8E+03	n	3.3E+05	n	> S	---	1.6E+03	n	7.0E-01	n	---	7.0E+01	n	---	2.0E+03	n	2.1E+04	n	> S	---
Methacrylonitrile	126-98-7	4.3E+01	n	1.5E-02	n	---	1.5E+00	n	---	7.4E+01	n	2.9E+03	n	---	---	2.8E+01	n	7.5E-03	n	---	7.5E-01	n	---	3.8E+01	n	1.9E+02	n	---	---
Methanol	67-56-1	1.6E+04	n	7.0E+01	n	---	7.0E+03	n	---	1.7E+04	n	1.0E+06	n	---	---	8.4E+03	n	3.5E+01	n	---	3.5E+03	n	---	8.6E+03	n	1.1E+05	n	---	---
Methapyrilene	91-80-5	4.1E+00	c	1.2E-03	c	---	1.2E-01	c	---	1.3E+02	n	4.4E+04	n	---	---	4.1E+00	c	5.9E-04	c	---	5.9E-02	c	---	6.5E+01	n	2.8E+03	n	---	---
Methomyl	16752-77-5	1.9E+03	n	1.5E+01	n	---	1.5E+03	n	---	2.1E+03	n	8.3E+05	n	> S	---	1.0E+03	n	7.6E+00	n	---	7.6E+02	n	---	1.1E+03	n	5.5E+04	n	> S	---
Methoxychlor	72-43-5	3.2E+03	n	1.2E+02	m	---	1.2E+04	m	> S	4.4E+04	n	1.0E+06	n	> S	---	3.0E+03	n	6.2E+01	m	---	6.2E+03	m	> S	2.2E+04	n	1.0E+06	n	> S	---
Methoxyethanol, 2-	109-86-4	4.3E+02	n	---	---	---	---	---	---	4.3E+02	n	6.2E+02	n	---	---	2.2E+02	n	---	---	---	---	---	---	2.2E+02	n	4.0E+01	n	---	---
Methyl acetate (acetic acid, methyl ester)	79-20-9	1.3E+04	n	1.5E+02	n	---	1.5E+04	n	---	1.3E+04	n	3.7E+05	n	> S	---	6.6E+03	n	7.3E+01	n	---	7.3E+03	n	---	6.6E+03	n	2.4E+04	n	> S	---
Methyl acrylate	96-33-3	1.4E+02	n	3.1E-01	n	---	3.1E+01	n	---	1.5E+02	n	2.8E+03	n	---	---	7.5E+01	n	1.5E-01	n	---	1.5E+01	n	---	7.7E+01	n	1.8E+02	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	4.8E+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-2-butene, 2-	513-35-9	5.3E+04	n	1.2E+02	n	---	1.2E+04	n	> S	3.9E+05	n	5.5E+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	---
Methylcholanthrene, 3-	56-49-5	7.9E-01	c	3.4E+01	c	---	3.4E+03	c	> S	3.0E+03	c	1.0E+06	c	> S	---	7.9E-01	c	1.7E+01	c	---	1.7E+03	c	> S	1.5E+03	c	1.0E+06	c	> 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	1.0E+06	c	> S	---	2.4E+03	c	2.5E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	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	1.0E+06	c	> S	---	2.4E+03	c	2.5E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	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	1.0E+06	c	> S	---	2.4E+02	c	2.0E+03	c	> S	2.0E+05	c	> S	2.0E+05	c	1.0E+06	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	2.5E+05	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	---
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	1.4E+02	c	5.0E+00	c	---	5.0E+02	c	---	4.5E+03	c	1.0E+06	c	> S	---	1.4E+02	c	2.5E+00	c	---	2.5E+02	c	---	2.3E+03	c	6.9E+05	c	> S	---
Methylene bromide (dibromomethane)	74-95-3	3.8E+02	n	2.5E+00	c	---	2.5E+02	c	---	3.8E+02	n	1.0E+04	n	---	---	1.9E+02	n	1.3E+00	c	---	1.3E+02	c	---	1.9E+02	n	6.6E+02	n	---	---
Methylene chloride (dichloromethane)	75-09-2	9.6E+02	c	1.3E-02	m	---	1.3E+00	m	---	1.3E+03	c	5.6E+03	c	---	---	5.6E+02	c	6.5E-03	m	---	6.5E-01	m	---	6.6E+02	c	3.6E+02	c	---	---
Methyl ethyl ketone (2-butanone)	78-93-3	3.0E+04	n	8.7E+01	n	---	8.7E+03	n	---	3.2E+04	n	1.0E+06	n	> S	---	1.6E+04	n	4.4E+01	n	---	4.4E+03	n	---	1.6E+04	n	9.8E+04	n	> S	---
Methyl iodide (iodomethane)	74-88-4	2.2E+02	n	3.4E-01	n	---	3.4E+01	n	---	2.6E+02	n	7.9E+02	n	---	---	1.2E+02	n	1.7E-01	n	---	1.7E+01	n	---	1.3E+02	n	5.1E+01	n	---	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	5.2E+03	n	1.5E+01	n	---	1.5E+03	n	---	5.5E+03	n	1.6E+05	n	> S	---	2.8E+03	n	7.4E+00	n	---	7.4E+02	n	---	2.8E+03	n	1.1E+04	n	> S	---
Methyl mercury	22967-92-6	9.7E+01	n	---	---	---	---	---	---	---	---	---	---	---	---	9.7E+01	n	---	---	---	---	---	---	---	---	---	---	---	---
Methylmecury hydroxide	1184-57-2	1.6E+00	n	1.4E-02	n	---	1.4E+00	n	---	1.6E+00	n	4.0E+02	n	---	---	8.3E-01	n	7.1E-03	n	---	7.1E-01	n	---	8.4E-01	n	2.8E+01	n	---	---
Methyl methacrylate	80-62-6	1.5E+04	n	2.9E+02	n	---	2.9E+04	n	---	1.5E+04	n	3.2E+05	n	> S	---	7.7E+03	n	1.5E+02	n	---	1.5E+04	n	---	7.7E+03	n	2.0E+04	n	> S	---
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	---	---
Methylnaphthalene, 1-	90-12-0	1.2E+04	n	1.4E+02	n	---	1.4E+04	n	> S	---	---	---	---	---	---	1.2E+04	n	6.8E+01	n	---	6.8E+03	n	> S	---	---	---	---	---	---
Methylnaphthalene, 2-	91-57-6	1.2E+04	n	2.5E+02	n	---	2.5E+04	n	> S	---	---	---	---	---	---	1.2E+04	n	1.3E+02	n	---	1.3E+04	n	> S	---	---	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	5.8E+02	c	3.2E-01	c	---	3.2E+01	c	---	---	---	---	---	---	---	5.8E+02	c	1.6E-01	c	---	1.6E+01	c	---	---	---	---	---	---	---
Methyl parathion	298-00-0	1.1E+02	n	5.1E-01	n	---	5.1E+01	n	---	2.9E+02	n	1.7E+05	n	> S	---	8.0E+01	n	2.5E-01	n	---	2.5E+01	n	---	1.5E+02	n	1.1E+04	n	> S	---
Methyl-2-pentenal, 2-	623-36-9	1.5E+01	c	3.3E-03	c	---	3.3E-01	c	---	1.3E+02	n	3.1E+03	n	---	---	1.5E+01	c	1.6E-03	c	---	1.6E-01	c	---	6.8E+01	n	2.0E+02	n	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	5.4E+03	n	6.2E+00	n	---	6.2E+02	n	---	6.2E+03	n	1.3E+05	n	> S	---	3.0E+03	n	3.1E+00	n	---	3.1E+02	n	---	3.2E+03	n	8.6E+03	n	> S	---
Methylpyrrolidone, N-	872-50-4	7.4E+03	n	2.9E+00	n	---	2.9E+02	n	---	1.6E+04	n	1.0E+06	n	---	---	5.2E+03	n	1.4E+00	n	---	1.4E+02	n	---	8.4E+03	n	3.2E+05	n	---	---

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area																30 acre source area																	
		$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL	$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL					
		(mg/kg)	note[3]	(mg/kg)	note[3]		(mg/kg)	note[3]		(mg/kg)	note[3]	(mg/kg)	note[3]		(mg/kg)	(mg/kg)	note[3]	(mg/kg)	note[3]		(mg/kg)	note[3]		(mg/kg)	note[3]	(mg/kg)	note[3]		(mg/kg)					
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	---	---	---	---	---	---					
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	---	1.5E+04	n	---	---	---	---	---	---	---	4.5E+03	n	7.3E+01	n	---	7.3E+03	n	---	---	---	---	---	---	---					
Morpholine	110-91-8	2.0E+02	n	7.1E+04	n	---	1.0E+06	n	---	2.0E+02	n	5.6E+04	n	< GW Ing	---	1.0E+02	n	3.6E+04	n	---	1.0E+06	n	---	1.0E+02	n	3.7E+03	n	< GW Ing	---					
MTBE (methyl tert-butyl ether)[6]	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	2.8E+02	n	1.1E+00	n	---	1.1E+02	n	> S	3.6E+02	n	2.2E+04	n	> S	---	1.6E+02	n	5.3E-01	n	---	5.3E+01	n	> S	1.8E+02	n	1.4E+03	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	2.7E+01	n	1.4E+00	n	---	1.4E+02	n	---	2.7E+01	n	6.1E+03	n	> S	---	1.4E+01	n	6.9E-01	n	---	6.9E+01	n	---	1.4E+01	n	4.0E+02	n	> S	---					
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	---	4.7E+04	n	---	---	---	---	---	---	---	8.5E+03	n	2.3E+02	n	---	2.3E+04	n	---	---	---	---	---	---	---					
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	---	---	---	---	---	---	---	---	---	---	---	---	9.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---					
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	> S	---					
Nitroaniline, 3-	99-09-2	1.8E+02	n	7.6E-02	n	---	7.6E+00	n	---	1.3E+03	n	3.5E+05	n	> S	---	1.6E+02	n	3.8E-02	n	---	3.8E+00	n	---	6.4E+02	n	2.3E+04	n	> S	---					
Nitroaniline, 4-	100-01-6	5.0E+02	c	1.3E-01	c	---	1.3E+01	c	---	8.4E+02	n	2.4E+05	n	> S	---	3.6E+02	n	6.4E-02	c	---	6.4E+00	c	---	4.3E+02	n	1.5E+04	n	> S	---					
Nitrobenzene	98-95-3	2.4E+02	n	2.6E-01	n	---	2.6E+01	n	---	7.9E+02	n	6.2E+04	n	> S	---	1.9E+02	n	1.3E-01	n	---	1.3E+01	n	---	4.1E+02	n	4.0E+03	n	> S	---					
Nitroglycerin	55-63-0	4.8E+01	n	2.9E-02	n	---	2.9E+00	n	---	---	---	---	---	---	---	4.8E+01	n	1.4E-02	n	---	1.4E+00	n	---	---	---	---	---	---	---					
Nitrophenol, 2-	88-75-5	6.2E+02	n	4.0E-01	n	---	4.0E+01	n	---	1.1E+03	n	2.6E+05	n	> S	---	4.1E+02	n	2.0E-01	n	---	2.0E+01	n	---	5.8E+02	n	1.7E+04	n	> S	---					
Nitrophenol, 3-	554-84-7	8.3E+02	n	6.8E-01	n	---	6.8E+01	n	---	2.1E+03	n	1.0E+06	n	> S	---	6.0E+02	n	3.4E-01	n	---	3.4E+01	n	---	1.1E+03	n	7.6E+05	n	> S	---					
Nitrophenol, 4-	100-02-7	1.9E+02	n	3.0E-01	n	---	3.0E+01	n	---	2.3E+02	n	6.8E+04	n	> S	---	1.1E+02	n	1.5E-01	n	---	1.5E+01	n	---	1.2E+02	n	4.4E+03	n	> S	---					
Nitropropane, 2-	79-46-9	2.2E-01	c	---	---	---	---	---	---	2.2E-01	c	6.0E+00	c	---	---	1.1E-01	c	---	---	---	---	---	---	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, N-	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, N-	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	1.0E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.2E+03	n	7.0E+04	n	> S	---	5.7E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.3E+02	n	4.5E+03	n	> S	---					
Nitrotoluene, o-	88-72-2	1.1E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.3E+03	n	8.2E+04	n	> S	---	6.2E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.8E+02	n	5.3E+03	n	> S	---					
Nitrotoluene, p-	99-99-0	1.0E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.2E+03	n	6.9E+04	n	> S	---	5.7E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.2E+02	n	4.4E+03	n	> S	---					
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	---					
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	---	---	---	---	---	---	---					
Oxychlordane	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	---					

Last update: March 31, 2003

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area																30 acre source area											
		$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL	$^{Tot}Soil_{Comb}$[2]		$^{GW}Soil_{Ing}$			$^{GW}Soil_{Class\ 3}$			$^{Air}Soil_{Inh\text{-}V}$[4]		$^{Air}GW\text{-}Soil_{Inh\text{-}V}$			^{GW}Soil for Secondary MCL
		(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)		note[3]	(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)	(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)		note[3]	(mg/kg)	note[3]	(mg/kg)		note[3]	(mg/kg)
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	2.3E+02	n	9.9E+01	n	---	9.9E+03	n	> S	2.5E+02	n	4.8E+05	n	> S	---	1.2E+02	n	4.9E+01	n	---	4.9E+03	n	> S	1.3E+02	n	3.1E+04	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	5.4E+02	n	7.4E+01	n	---	7.4E+03	n	> S	4.2E+04	n	1.0E+06	n	> S	---	5.3E+02	n	3.7E+01	n	---	3.7E+03	n	> S	2.2E+04	n	8.9E+05	n	> S	---
Pentachloroethane	76-01-7	1.4E+02	c	7.5E-01	c	---	7.5E+01	c	---	1.6E+02	c	4.8E+03	c	---	---	7.6E+01	c	3.8E-01	c	---	3.8E+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	3.1E+02	n	9.0E+04	n	> S	---	7.3E+01	c	2.1E+00	c	---	2.1E+02	c	> S	1.6E+02	n	5.8E+03	n	> S	---
Pentachlorophenol	87-86-5	1.1E+02	c	1.8E-02	m	---	1.8E+00	m	---	6.3E+02	n	3.4E+05	n	> S	---	1.1E+02	c	9.2E-03	m	---	9.2E-01	m	---	3.3E+02	n	2.2E+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	2.7E+05	n	7.4E+03	n	> S	7.4E+05	n	> S	---	---	---	---	---	---	2.7E+05	n	3.7E+03	n	> S	3.7E+05	n	> S	---	---	---	---	---	---
Pentane	109-66-0	7.4E+03	n	1.2E+04	n	> S	1.0E+06	n	> S	7.5E+03	n	1.6E+03	n	< GW Ing	---	3.8E+03	n	6.0E+03	n	> S	6.0E+05	n	> S	3.9E+03	n	1.1E+02	n	< GW Ing	---
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	---
Pentanone, 2-	107-87-9	1.2E+04	n	6.6E+00	n	---	6.6E+02	n	---	1.7E+04	n	7.1E+05	n	> S	---	7.3E+03	n	3.3E+00	n	---	3.3E+02	n	---	8.9E+03	n	4.6E+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	8.2E+01	n	6.0E-02	n	---	6.0E+00	n	---	---	---	---	---	---	---	8.2E+01	n	3.0E-02	n	---	3.0E+00	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	4.6E+03	n	5.7E+01	n	---	5.7E+03	n	---	4.7E+03	n	1.0E+06	n	> S	---	2.4E+03	n	2.9E+01	n	---	2.9E+03	n	---	2.4E+03	n	6.5E+04	n	> S	---
Phenylene diamine, m-	108-45-2	1.9E+01	n	8.6E-01	n	---	8.6E+01	n	---	2.0E+01	n	5.6E+03	n	---	---	1.0E+01	n	4.3E-01	n	---	4.3E+01	n	---	1.0E+01	n	3.6E+02	n	---	---
Phenylene diamine, p-	106-50-3	2.1E+01	n	2.7E+01	n	---	2.7E+03	n	---	2.1E+01	n	6.3E+03	n	---	---	1.1E+01	n	1.4E+01	n	---	1.4E+03	n	---	1.1E+01	n	4.1E+02	n	---	---
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	---	---	---	---	---	---	---
Phorate	298-02-2	4.2E+01	n	3.2E+00	n	---	3.2E+02	n	---	6.1E+01	n	3.0E+04	n	> S	---	2.6E+01	n	1.6E+00	n	---	1.6E+02	n	---	3.2E+01	n	2.0E+03	n	> S	---
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	---	---	---	---	---	---	---
Phosphine	7803-51-2	6.3E+00	n	---	---	---	---	---	---	6.4E+00	n	---	---	---	---	3.3E+00	n	---	---	---	---	---	---	3.3E+00	n	---	---	---	---
Phosphorus, total*	7723-14-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	7723-14-0	1.9E+00	n	6.9E-02	n	---	6.9E+00	n	---	2.1E+00	n	---	---	---	---	1.0E+00	n	3.4E-02	n	---	3.4E+00	n	---	1.1E+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	2.4E+01	n	1.7E+00	n	---	1.7E+02	n	---	2.4E+01	n	1.7E+03	n	---	---	1.2E+01	n	8.4E-01	n	---	8.4E+01	n	---	1.2E+01	n	1.1E+02	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*	7440-09-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	68955-53-3	1.6E+03	n	1.6E+02	n	---	1.6E+04	n	---	2.6E+03	n	4.4E+05	n	> S	---	1.0E+03	n	8.1E+01	n	---	8.1E+03	n	---	1.3E+03	n	2.8E+04	n	> S	---
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	2.6E+03	n	1.2E+00	n	---	1.2E+02	n	---	3.9E+03	n	1.0E+05	n	---	---	1.6E+03	n	5.9E-01	n	---	5.9E+01	n	---	2.0E+03	n	6.7E+03	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	1.6E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.6E+02	n	4.0E+04	n	---	---	8.2E+01	n	3.5E+01	n	---	3.5E+03	n	---	8.2E+01	n	2.6E+03	n	---	---
Propanol, 1-	71-23-8	2.7E+04	n	3.0E+01	n	---	3.0E+03	n	---	3.1E+04	n	1.0E+06	n	> S	---	1.5E+04	n	1.5E+01	n	---	1.5E+03	n	---	1.6E+04	n	1.6E+05	n	> S	---
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	3.4E+02	n	3.1E-01	n	---	3.1E+01	n	---	4.1E+02	n	8.9E+04	n	---	---	1.9E+02	n	1.6E-01	n	---	1.6E+01	n	---	2.1E+02	n	5.7E+03	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	2.0E+02	n	5.8E-02	n	---	5.8E+00	n	---	3.8E+02	n	2.1E+04	n	---	---	1.3E+02	n	2.9E-02	n	---	2.9E+00	n	---	2.0E+02	n	1.4E+03	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	---	---	---	---	---	---	---

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Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2]	note[3]	$^{GW}Soil_{Ing}$	note[3]	$^{GW}Soil_{Class\ 3}$	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4]	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$	note[3]	^{GW}Soil for Secondary MCL	$^{Tot}Soil_{Comb}$[2]	note[3]	$^{GW}Soil_{Ing}$	note[3]	$^{GW}Soil_{Class\ 3}$	note[3]	$^{Air}Soil_{Inh\text{-}V}$[4]	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$	note[3]	^{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)		(mg/kg)		(mg/kg)
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	2.7E+04	n	2.8E+03	n ---	2.8E+05	n > S	2.7E+04	n	1.0E+06	n > S	---	1.4E+04	n	1.4E+03	n ---	1.4E+05	n > S	1.4E+04	n	4.5E+05	n > S	---
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	---
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	2.5E+02	n	2.1E-01	n ---	2.1E+01	n ---	3.2E+02	n	8.8E+02	n > S	---	1.4E+02	n	1.0E-01	n ---	1.0E+01	n ---	1.7E+02	n	5.7E+01	n > S	---
Quinoline	91-22-5	6.4E+00	c	1.7E-02	c ---	1.7E+00	c ---	4.2E+02	n	1.5E+05	n ---	---	6.4E+00	c	8.4E-03	c ---	8.4E-01	c ---	2.2E+02	n	9.6E+03	n ---	---
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 > S	---
Selenium	7782-49-2	4.8E+03	n	2.3E+00	m ---	2.3E+02	m ---	---	---	---	--- ---	---	4.7E+03	n	1.1E+00	m ---	1.1E+02	m ---	---	---	---	--- ---	---
Selenourea	630-10-4	5.1E+03	n	---	--- ---	---	--- ---	---	---	---	--- ---	---	5.1E+03	n	---	--- ---	---	--- ---	---	---	---	--- ---	---
Silver	7440-22-4	1.9E+03	n	1.4E+00	n ---	1.4E+02	n ---	---	---	---	--- ---	3.9E-01	1.7E+03	n	7.1E-01	n ---	7.1E+01	n ---	---	---	---	--- ---	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	---	--- ---	---	--- ---	---	---	---	--- ---	---	1.1E+02	c	---	--- ---	---	--- ---	---	---	---	--- ---	---
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	2.9E+04	n	3.3E+00	m ---	3.3E+02	m ---	3.4E+04	n	1.0E+06	n > S	---	1.6E+04	n	1.6E+00	m ---	1.6E+02	m ---	1.7E+04	n	9.5E+04	n > S	---
Sulfate*	14808-79-8	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---
Sulfide*	18496-25-8	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---
Sulfolane	126-33-0	1.4E+01	n	2.8E-03	n ---	2.8E-01	n ---	---	---	---	--- ---	---	1.4E+01	n	1.4E-03	n ---	1.4E-01	n ---	---	---	---	--- ---	---
Sulfur*	7704-34-9	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---	---	---	---	--- ---	---	--- ---	---	---	---	--- ---	---
TCDD, 2,3,7,8- (dioxin)	1746-01-6	5.0E-03	---	1.7E-02	m ---	1.7E+00	m ---	---	---	---	--- ---	---	5.0E-03	---	8.5E-03	m ---	8.5E-01	m ---	---	---	---	--- ---	---
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-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	7.5E+03	n	1.4E+01	n ---	1.4E+03	n ---	8.2E+03	n	3.1E+05	n ---	---	4.0E+03	n	6.9E+00	n ---	6.9E+02	n ---	4.2E+03	n	2.0E+04	n ---	---
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+02	n	3.6E+01	n ---	3.6E+03	n ---	1.8E+05	n	1.0E+06	n > S	---	2.0E+02	n	1.8E+01	n ---	1.8E+03	n ---	9.5E+04	n	1.0E+06	n > S	---
Tetrachlorobenzene, 1,2,3,5-	634-90-2	2.0E+02	n	5.6E+00	n ---	5.6E+02	n ---	8.2E+04	n	1.0E+06	n > S	---	2.0E+02	n	2.8E+00	n ---	2.8E+02	n ---	4.2E+04	n	7.7E+05	n > S	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+02	n	1.4E+00	n ---	1.4E+02	n > S	4.7E+04	n	1.0E+06	n > S	---	2.0E+02	n	7.2E-01	n ---	7.2E+01	n > S	2.4E+04	n	2.3E+05	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+01	c	5.2E-02	c ---	5.2E+00	c ---	1.5E+01	c	3.7E+02	c ---	---	7.3E+00	c	2.6E-02	c ---	2.6E+00	c ---	7.7E+00	c	2.4E+01	c ---	---
Tetrachloroethylene (perchlorethylene)	127-18-4	3.6E+02	c	5.0E-02	m ---	5.0E+00	m ---	1.0E+03	c	5.5E+03	c > S	---	2.7E+02	c	2.5E-02	m ---	2.5E+00	m ---	5.3E+02	c	3.6E+02	c > S	---
Tetrachlorophenol, 2,3,4,5-	4901-51-3	6.4E+03	n	4.4E+01	n ---	4.4E+03	n ---	9.4E+03	n	1.0E+06	n > S	---	3.9E+03	n	2.2E+01	n ---	2.2E+03	n ---	4.8E+03	n	3.4E+05	n > S	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	2.5E+03	n	1.3E+01	n ---	1.3E+03	n > S	2.8E+03	n	5.9E+05	n > S	---	1.4E+03	n	6.7E+00	n ---	6.7E+02	n > S	1.5E+03	n	3.8E+04	n > S	---
Tetrachlorophenol, 2,3,5,6-	935-95-5	2.5E+02	n	6.5E+00	n > S	6.5E+02	n > S	2.6E+02	n	8.4E+03	n > S	---	1.3E+02	n	3.2E+00	n > S	3.2E+02	n > S	1.3E+02	n	5.4E+02	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	1.5E+02	n	1.2E+00	n ---	1.2E+02	n ---	2.7E+02	n	1.5E+05	n > S	---	9.9E+01	n	5.8E-01	n ---	5.8E+01	n ---	1.4E+02	n	9.8E+03	n > S	---
Tetraethyl lead	78-00-2	6.6E-02	n	1.5E-03	n ---	1.5E-01	n ---	2.8E+00	n	2.2E+02	n > S	---	6.5E-02	n	7.5E-04	n ---	7.5E-02	n ---	1.4E+00	n	1.4E+01	n > S	---
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 ---	---
Tetrahydropyran	142-68-7	3.1E+02	c	6.1E-01	c ---	6.1E+01	c ---	3.4E+02	c	1.0E+04	c ---	---	1.7E+02	c	3.0E-01	c ---	3.0E+01	c ---	1.7E+02	c	6.5E+02	c ---	---
Thallium and compounds (as thallium chloride)	7791-12-0	7.8E+01	n	1.7E+00	m ---	1.7E+02	m ---	---	---	---	--- ---	---	7.8E+01	n	8.7E-01	m ---	8.7E+01	m ---	---	---	---	--- ---	---
Thiofanox	39196-18-4	1.4E+02	n	9.4E-02	n ---	9.4E+00	n ---	4.5E+02	n	1.5E+05	n > S	---	1.1E+02	n	4.7E-02	n ---	4.7E+00	n ---	2.3E+02	n	9.5E+03	n > S	---
Thionazin	297-97-2	4.8E+01	n	3.3E-02	n ---	3.3E+00	n ---	---	---	---	--- ---	---	4.8E+01	n	1.7E-02	n ---	1.7E+00	n ---	---	---	---	--- ---	---
Thiophanate-methyl	23564-05-8	5.5E+04	n	1.3E+01	n > S	1.3E+03	n > S	---	---	---	--- ---	---	5.5E+04	n	6.6E+00	n > S	6.6E+02	n > S	---	---	---	--- ---	---

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Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area																30 acre source area											
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]		$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]		$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Thiram	137-26-8	1.2E+03	n		1.0E+01	n	---	1.0E+03	n	> S	1.8E+03	n	1.0E+06	n	> S	---	7.2E+02	n		5.2E+00	n	---	5.2E+02	n	> S	9.1E+02	n	8.3E+04	n	> S	---
Tin	7440-31-5	4.0E+05	n		1.1E+05	n	---	1.0E+06	n	---	---	---	---	---	---	---	4.0E+05	n		5.5E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---
Titanium	7440-32-6	1.0E+06	n		---	---	---	---	---	---	---	---	---	---	---	---	1.0E+06	n		---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	8.2E+03	n		8.2E+00	m	---	8.2E+02	m	---	8.6E+03	n	7.1E+04	n	> S	---	4.3E+03	n		4.1E+00	m	---	4.1E+02	m	---	4.4E+03	n	4.6E+03	n	> S	---
Toluenediamine, 2,4-	95-80-7	6.0E+00	c		3.4E-02	c	---	3.4E+00	c	---	1.1E+04	n	1.0E+06	n	---	---	6.0E+00	c		1.7E-02	c	---	1.7E+00	c	---	5.6E+03	n	6.2E+05	n	---	---
Toluenediamine, 2,6-	823-40-5	1.4E+05	n		2.9E+01	n	---	2.9E+03	n	---	---	---	---	---	---	---	1.4E+05	n		1.4E+01	n	---	1.4E+03	n	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	26471-62-5	2.0E+02	n		---	---	---	---	---	---	2.0E+02	n	2.4E+05	n	---	---	1.0E+02	n		---	---	---	---	---	---	1.0E+02	n	1.5E+04	n	---	---
Toluidine, o-	95-53-4	5.9E+01	c		8.6E-02	c	---	8.6E+00	c	---	2.3E+02	c	4.5E+04	c	---	---	4.8E+01	c		4.3E-02	c	---	4.3E+00	c	---	1.2E+02	c	2.9E+03	c	---	---
Toluidine, p-	106-49-0	1.0E+02	c		3.1E-02	c	---	3.1E+00	c	---	---	---	---	---	---	---	1.0E+02	c		1.6E-02	c	---	1.6E+00	c	---	---	---	---	---	---	---
Toxaphene	8001-35-2	1.7E+01	c		1.2E+01	m	---	1.2E+03	m	---	1.6E+03	c	1.0E+06	c	> S	---	1.7E+01	c		5.8E+00	m	---	5.8E+02	m	---	8.3E+02	c	7.5E+05	c	> S	---
TP Silvex, 2,4,5-	93-72-1	4.7E+03	n		5.3E+00	m	---	5.3E+02	m	---	3.6E+04	n	1.0E+06	n	> S	---	4.2E+03	n		2.6E+00	m	---	2.6E+02	m	---	1.9E+04	n	1.0E+06	n	> S	---
Triademenol	55219-65-3	2.0E+04	n		2.5E+01	n	---	2.5E+03	n	> S	---	---	---	---	---	---	2.0E+04	n		1.2E+01	n	---	1.2E+03	n	> S	---	---	---	---	---	---
Triallate	2303-17-5	8.9E+03	n		5.6E+01	n	---	5.6E+03	n	> S	---	---	---	---	---	---	8.9E+03	n		2.8E+01	n	---	2.8E+03	n	> S	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	3058-38-6	4.3E+02	n		1.4E-01	c	---	1.4E+01	c	---	5.4E+02	n	1.0E+06	n	> S	---	2.4E+02	n		7.2E-02	c	---	7.2E+00	c	---	2.8E+02	n	5.4E+05	n	> S	---
Tributyltin oxide	56-35-9	1.1E+00	n		---	---	---	---	---	---	1.1E+00	n	---	---	---	---	5.5E-01	n		---	---	---	---	---	---	5.5E-01	n	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	1.6E+03	n		7.9E+01	n	---	7.9E+03	n	> S	8.5E+03	n	1.0E+06	n	> S	---	1.4E+03	n		3.9E+01	n	---	3.9E+03	n	> S	4.4E+03	n	8.7E+04	n	> S	---
Trichlorobenzene, 1,2,4-	120-82-1	5.2E+03	n		4.8E+00	m	---	4.8E+02	m	---	2.1E+04	n	1.0E+06	n	> S	---	4.2E+03	n		2.4E+00	m	---	2.4E+02	m	---	1.1E+04	n	9.7E+04	n	> S	---
Trichlorobenzene, 1,3,5-	108-70-3	1.3E+03	n		2.2E+01	n	---	2.2E+03	n	> S	3.5E+03	n	2.9E+05	n	> S	---	9.6E+02	n		1.1E+01	n	---	1.1E+03	n	> S	1.8E+03	n	1.9E+04	n	> S	---
Trichloroethane, 1,1,1-	71-55-6	1.9E+04	n		1.6E+00	m	---	1.6E+02	m	---	2.1E+04	n	9.0E+04	n	> S	---	1.0E+04	n		8.1E-01	m	---	8.1E+01	m	---	1.1E+04	n	5.8E+03	n	> S	---
Trichloroethane, 1,1,2-	79-00-5	3.5E+01	c		2.0E-02	m	---	2.0E+00	m	---	3.8E+01	c	5.4E+02	c	---	---	1.9E+01	c		1.0E-02	m	---	1.0E+00	m	---	1.9E+01	c	3.5E+01	c	---	---
Trichloroethylene	79-01-6	3.1E+02	c		3.4E-02	m	---	3.4E+00	m	---	3.5E+02	c	1.8E+03	c	---	---	1.7E+02	c		1.7E-02	m	---	1.7E+00	m	---	1.8E+02	c	1.2E+02	c	---	---
Trichlorofluoromethane	75-69-4	5.0E+04	n		3.8E+02	n	---	3.8E+04	n	> S	6.0E+04	n	1.0E+05	n	> S	---	2.8E+04	n		1.9E+02	n	---	1.9E+04	n	> S	3.1E+04	n	6.4E+03	n	> S	---
Trichloronate	327-98-0	2.0E+03	n		3.7E+02	n	---	3.7E+04	n	> S	---	---	---	---	---	---	2.0E+03	n		1.8E+02	n	---	1.8E+04	n	> S	---	---	---	---	---	---
Trichlorophenol, 2,3,4-	15950-66-0	3.2E+04	n		1.8E+02	n	---	1.8E+04	n	---	6.2E+04	n	1.0E+06	n	> S	---	2.2E+04	n		8.9E+01	n	---	8.9E+03	n	---	3.2E+04	n	1.0E+06	n	> S	---
Trichlorophenol, 2,3,5-	933-78-8	2.6E+04	n		8.3E+01	n	---	8.3E+03	n	---	4.1E+04	n	1.0E+06	n	> S	---	1.6E+04	n		4.1E+01	n	---	4.1E+03	n	---	2.1E+04	n	1.0E+06	n	> S	---
Trichlorophenol, 2,3,6-	933-75-5	3.2E+03	n		8.6E+01	n	---	8.6E+03	n	> S	3.3E+03	n	1.4E+05	n	> S	---	1.7E+03	n		4.3E+01	n	---	4.3E+03	n	> S	1.7E+03	n	8.9E+03	n	> S	---
Trichlorophenol, 2,4,5-	95-95-4	2.1E+04	n		1.0E+02	n	---	1.0E+04	n	---	3.0E+04	n	1.0E+06	n	> S	---	1.2E+04	n		5.1E+01	n	---	5.1E+03	n	---	1.5E+04	n	5.7E+05	n	> S	---
Trichlorophenol, 2,4,6-	88-06-2	1.1E+03	c		1.3E+00	c	---	1.3E+02	c	---	3.3E+03	c	5.9E+05	c	> S	---	8.6E+02	c		6.6E-01	c	---	6.6E+01	c	---	1.7E+03	c	3.8E+04	c	> S	---
Trichlorophenol, 3,4,5-	609-19-8	4.7E+04	n		9.8E+02	n	---	9.8E+04	n	---	1.5E+05	n	1.0E+06	n	> S	---	3.7E+04	n		4.9E+02	n	---	4.9E+04	n	---	7.9E+04	n	1.0E+06	n	> S	---
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	2.8E+03	n		2.9E+00	n	---	2.9E+02	n	---	4.9E+03	n	1.0E+06	n	> S	---	1.8E+03	n		1.5E+00	n	---	1.5E+02	n	---	2.5E+03	n	9.3E+04	n	> S	---
Trichloropropane, 1,1,2-	598-77-6	1.0E+03	n		4.3E+00	n	---	4.3E+02	n	---	1.3E+03	n	8.9E+03	n	> S	---	5.9E+02	n		2.2E+00	n	---	2.2E+02	n	---	6.6E+02	n	5.8E+02	n	> S	---
Trichloropropane, 1,2,3-	96-18-4	4.1E+00	c		5.1E-03	c	---	5.1E-01	c	---	3.9E+03	n	1.6E+05	n	> S	---	4.1E+00	c		2.6E-03	c	---	2.6E-01	c	---	2.0E+03	n	1.0E+04	n	> S	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.3E+05	n		2.4E+05	n	> S	1.0E+06	n	> S	6.4E+05	n	1.0E+06	n	> S	---	3.3E+05	n		1.2E+05	n	> S	1.0E+06	n	> S	3.3E+05	n	9.0E+04	n	> S	---
Triethanolamine	102-71-6	1.1E+03	n		2.8E+01	n	---	2.8E+03	n	---	1.1E+03	n	1.0E+06	n	---	---	5.5E+02	n		1.4E+01	n	---	1.4E+03	n	---	5.5E+02	n	1.0E+06	n	---	---
Triethylamine	121-44-8	1.5E+02	n		---	---	---	---	---	---	1.5E+02	n	2.2E+03	n	---	---	7.7E+01	n		---	---	---	---	---	---	7.7E+01	n	1.4E+02	n	---	---
Triethylene glycol	112-27-6	1.0E+06	n		4.2E+02	n	---	4.2E+04	n	---	---	---	---	---	---	---	1.0E+06	n		2.1E+02	n	---	2.1E+04	n	---	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	126-68-1	5.7E+00	n		1.3E-02	n	---	1.3E+00	n	---	---	---	---	---	---	---	5.7E+00	n		6.5E-03	n	---	6.5E-01	n	---	---	---	---	---	---	---
Trifluralin	1582-09-8	2.5E+03	c		1.5E+02	c	---	1.5E+04	c	> S	2.3E+04	n	1.0E+06	n	> S	---	2.5E+03	c		7.3E+01	c	---	7.3E+03	c	> S	1.2E+04	n	1.0E+06	n	> S	---
Trimethylamine	75-50-3	2.1E+02	n		---	---	---	---	---	---	2.1E+02	n	6.1E+03	n	---	---	1.1E+02	n		---	---	---	---	---	---	1.1E+02	n	3.9E+02	n	---	---
Trimethylbenzene, 1,2,3-	526-73-8	1.7E+02	n		9.4E+01	n	---	9.4E+03	n	> S	1.7E+02	n	6.8E+03	n	> S	---	8.7E+01	n		4.7E+01	n	---	4.7E+03	n	> S	8.7E+01	n	4.4E+02	n	> S	---
Trimethylbenzene, 1,2,4-	95-63-6	1.9E+02	n		1.4E+02	n	---	1.4E+04	n	> S	1.9E+02	n	9.0E+03	n	> S	---	9.6E+01	n		7.2E+01	n	---	7.2E+03	n	> S	9.7E+01	n	5.9E+02	n	> S	---
Trimethylbenzene, 1,3,5-	108-67-8	1.6E+02	n		1.6E+02	n	---	1.6E+04	n	> S	1.6E+02	n	7.7E+03	n	> S	---	8.3E+01	n		7.9E+01	n	---	7.9E+03	n	> S	8.3E+01	n	5.0E+02	n	> S	---
Trinitrobenzene, 1,3,5-	99-35-4	2.0E+04	n		5.4E+00	n	---	5.4E+02	n	---	---	---	---	---	---	---	2.0E+04	n		2.7E+00	n	---	2.7E+02	n	---	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	479-45-8	1.0E+02	n		8.2E+00	n	---	8.2E+02	n	---	1.1E+02	n	7.0E+04	n	> S	---	5.4E+01	n		4.1E+00	n	---	4.1E+02	n	---	5.5E+01	n	1.3E+04	n	> S	---
Trinitrotoluene, 2,4,6-	118-96-7	7.8E+01	n		5.1E-01	n	---	5.1E+01	n	---	1.0E+02	n	4.4E+04	n	> S	---	4.5E+01	n		2.6E-01	n	---	2.6E+01	n	---	5.2E+01	n	2.8E+03	n	> S	---
Uranium (soluble salts)	7440-61-1	2.9E+03	n		1.8E+03	m	---	1.8E+05	m	---	---	---	---	---	---	---	2.9E+03	n		8.9E+02	m	---	8.9E+04	m	---	---	---	---	---	---	---
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	2.4E+03	n		1.0E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---	2.3E+03	n		5.1E+03	n	---	5.1E+05	n	---	---	---	---	---	---	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area															30 acre source area											
Chemical of Concern	**CAS**	**$^{Tot}Soil_{Comb}$[2] (mg/kg)**	**note[3]**	**$^{GW}Soil_{Ing}$ (mg/kg)**	**note[3]**		**$^{GW}Soil_{Class\ 3}$ (mg/kg)**	**note[3]**		**$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)**	**note[3]**	**$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)**	**note[3]**		**$^{GW}Soil$ for Secondary MCL (mg/kg)**	**$^{Tot}Soil_{Comb}$[2] (mg/kg)**	**note[3]**	**$^{GW}Soil_{Ing}$ (mg/kg)**	**note[3]**		**$^{GW}Soil_{Class\ 3}$ (mg/kg)**	**note[3]**		**$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)**	**note[3]**	**$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)**	**note[3]**		**$^{GW}Soil$ for Secondary MCL (mg/kg)**
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	---	6.8E+01	c	6.8E+01	c	---	---	1.2E+01	c	1.1E-02	m	---	1.1E+00	m	---	3.5E+01	c	4.4E+00	c	---	---
Vinylcyclohexane	695-12-5	2.1E+02	n	4.2E+03	n	> S	4.2E+05	n	> S	2.1E+02	n	3.6E+03	n	< GW Ing	---	1.1E+02	n	2.1E+03	n	> S	2.1E+05	n	> S	1.1E+02	n	2.3E+02	n	< GW Ing	---
Warfarin	81-81-2	1.1E+02	n	8.4E-01	n	---	8.4E+01	n	---	2.5E+02	n	2.5E+05	n	> S	---	7.8E+01	n	4.2E-01	n	---	4.2E+01	n	---	1.3E+02	n	1.6E+04	n	> S	---
Xylene, m-	108-38-3	9.3E+03	n	1.1E+02	m	---	1.1E+04	m	> S	9.3E+03	n	1.1E+05	n	> S	---	4.8E+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	6.6E+04	n	7.1E+01	m	---	7.1E+03	m	> S	6.8E+04	n	1.0E+06	n	> S	---	3.4E+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	9.3E+03	n	1.5E+02	m	---	1.5E+04	m	> S	9.3E+03	n	1.4E+05	n	> S	---	4.8E+03	n	7.5E+01	m	---	7.5E+03	m	> S	4.8E+03	n	9.1E+03	n	> S	---
Xylenes	1330-20-7	2.1E+03	n	1.2E+02	m	---	1.2E+04	m	> S	2.1E+03	n	2.9E+04	n	> S	---	1.1E+03	n	6.1E+01	m	---	6.1E+03	m	> S	1.1E+03	n	1.9E+03	n	> S	---
Zinc	7440-66-6	2.5E+05	n	7.0E+03	n	---	7.0E+05	n	---	---	---	---	---	---	1.6E+03	2.5E+05	n	3.5E+03	n	---	3.5E+05	n	---	---	---	---	---	---	8.0E+02
6 C aliphatics (TPH)	NA	4.0E+03	n	5.1E+02	n	---	5.1E+04	n	> S	4.3E+03	n	5.2E+03	n	> S	---	2.1E+03	n	2.6E+02	n	---	2.6E+04	n	> S	2.2E+03	n	3.4E+02	n	> S	---
>6-8 C aliphatics (TPH)	NA	4.0E+03	n	1.3E+03	n	---	1.3E+05	n	> S	4.3E+03	n	8.5E+03	n	> S	---	2.1E+03	n	6.3E+02	n	---	6.3E+04	n	> S	2.2E+03	n	5.5E+02	n	> S	---
>8-10 C aliphatics (TPH)	NA	1.8E+04	n	1.1E+04	n	> S	1.0E+06	n	> S	2.1E+04	n	1.4E+05	n	> S	---	1.0E+04	n	5.4E+03	n	> S	5.4E+05	n	> S	1.1E+04	n	8.8E+03	n	> S	---
>10-12 C aliphatics (TPH)	NA	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	---
>12-16 C aliphatics (TPH)	NA	2.3E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	3.4E+04	n	1.0E+06	n	> S	---	1.4E+04	n	7.4E+05	n	> S	1.0E+06	n	> S	1.7E+04	n	1.9E+05	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	1.8E+04	n	6.0E+01	n	---	6.0E+03	n	> S	2.1E+04	n	1.8E+05	n	> S	---	1.0E+04	n	3.0E+01	n	---	3.0E+03	n	> S	1.1E+04	n	1.2E+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

[1] 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.

[2] Combined includes inhalation; ingestion; dermal pathways

[3] c = 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

[4] For subsurface soils only

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

[6] 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.

[*] These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

All values capped at 1E+06