

AP-111

AGWMR

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2013

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice); c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1																										
Toxicity and Chemical-specific Information													Contaminant		Screening Levels										Protection of Ground Water SSLs	
SFO (mg/kg-day) ⁻¹	k _e y	IUR (ug/m ³ -y) ⁻¹	k _e y	RfD _o (mg/kg-day)	k _e y	RfC _o (mg/m ³)	k _e y	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.1E-01	C	3.1E-05	C	2.0E-02 2.0E-02	I I	5.0E-02 5.0E-02	P P	V V	1 1	0.1 0.1	7.6E+02	Chlorobenzene Chlorobenzilate	108-90-7 510-15-6	2.9E+02 4.4E+00	n c	1.4E+03 1.6E+01	ns c	5.2E+01 7.8E-02	n c	2.2E+02 4.0E-01	n c	7.2E+01 2.7E-01	n c	1.0E+02	4.9E-02 8.8E-04	6.8E-02
				3.0E-02 3.0E-03 4.0E-02	X P P	5.0E-01 3.0E-01 5.0E-01	I P P	V V V	1 1 1	0.1 0.1 0.1	1.7E+03 1.2E+02 7.3E+02	Chlorobenzoic Acid, p- Chlorobenzotrifluoride, 4- Chlorobutane, 1-	74-11-3 98-56-6 109-69-3	1.8E+03 2.1E+02 3.1E+03	n ns ns	1.8E+04 2.3E+03 4.1E+04	n ns ns	3.1E+02 3.1E+02 3.1E+02	n n n	1.3E+03 1.3E+03 1.3E+03	n n n	3.9E+02 2.6E+01 4.8E+02	n n n		9.9E-02 9.3E-02 2.0E-01	
3.1E-02	C	2.3E-05	I	2.0E-02 1.0E-02	P I	5.0E+01 9.8E-02	I A	V V	1 1	0.1 0.1	1.7E+03 2.5E+03	Chlorodifluoromethane Chloroethanol, 2- Chloroform	75-45-6 107-07-3 67-66-3	5.3E+04 1.2E+03 2.9E-01	ns n c	2.2E+05 1.2E+04 1.5E+00	nms n c	5.2E+04 1.1E-01 1.1E-01	n c c	2.2E+05 5.3E-01 5.3E-01	n c c	1.0E+05 3.1E+02 1.9E-01	n n c	8.0E+01(F)	4.3E+01 6.3E-02 5.3E-05	2.2E-02
2.4E+00 3.0E-01	C P	6.9E-04 C	C	3.0E-03 3.0E-03	P P	1.0E-05 1.0E-05	X X	V V	1 1	0.1 0.1	1.3E+03 2.6E+04	Chloromethane Chloromethyl Methyl Ether Chloronitrobenzene, o-	74-87-3 107-30-2 88-73-3	1.2E+02 1.9E-02 1.6E+00	n c c	5.0E+02 9.4E-02 5.7E+00	n c c	3.9E+02 3.5E-03 1.0E-02	n c c	3.9E+02 1.8E-02 4.4E-02	n c c	1.9E+02 5.6E-03 2.0E-01	n c c		4.9E-02 1.2E-06 1.9E-04	
6.3E-03	P			1.0E-03 5.0E-03	P I	6.0E-04 4.0E-04	P C	V V	1 1	0.1 0.1	2.2E+04 6.2E+02	Chloronitrobenzene, p- Chlorophenol, 2- Chloropicrin	100-00-5 95-57-8 76-06-2	6.1E+01 3.9E+02 2.1E+00	n n n	2.7E+02 5.1E+03 8.8E+00	c** n n	6.3E-01 3.1E+03 4.2E-01	n n n	2.6E+00 1.8E+00 1.8E+00	n n n	9.4E+00 7.1E+01 8.3E-01	c** n n		8.7E-03 5.7E-02 2.5E-04	
3.1E-03	C	8.9E-07	C	1.5E-02 2.0E-02 2.0E-02	I I X			V V	1 1	0.1 0.1	9.1E+02 2.5E+02	Chlorothalonil Chlorotoluene, o- Chlorotoluene, p-	1897-45-6 95-49-8 106-43-4	1.6E+02 1.6E+03 1.6E+03	c** ns ns	5.6E+02 2.0E+04 2.0E+04	c* ns ns	2.7E+00 1.4E+01 1.4E+01	c c c	1.4E+01 1.9E+01 1.9E+01	c c c	1.9E+01 1.8E+02 1.9E+02	n n n		4.3E-02 1.7E-01 1.8E-01	
2.4E+02	C	6.9E-02	C	2.0E-01 1.0E-03	I A			V V	1 1	0.1 0.1	1.3E+03 1.3E+03	Chlorozotocin Chlorpropham Chlorpyrifos	54749-90-5 101-21-3 2921-88-2	2.0E-03 1.2E+04 6.1E+01	n n n	7.2E-03 1.2E+05 6.2E+02	c nm nm	3.5E-05 2.0E+04 2.0E+04	c c c	1.8E-04 2.2E+03 6.2E+00	c n n	2.8E-04 2.2E+03 6.2E+00	c n n		6.2E-08 1.9E+00 9.2E-02	
				1.0E-02 5.0E-02 8.0E-04	H I H			V V V	1 1 1	0.1 0.1 0.1		Chlorpyrifos Methyl Chlorosulfuron Chlorthiophos	5598-13-0 64902-72-3 60238-56-4	6.1E+02 3.1E+03 4.9E+01	n n n	6.2E+03 3.1E+04 4.9E+02	n n n					8.9E+01 7.7E+02 2.0E+00	n n n		4.1E-01 6.5E-01 5.2E-02	
5.0E-01	J	8.4E-02	S	1.5E+00 3.0E-03	I I	1.0E-04 1.0E-04	I I	M M	0.013 0.025 0.013			Chromium(III), Insoluble Salts Chromium(VI) Chromium, Total	16065-83-1 18540-29-9 7440-47-3	1.2E+05 2.9E-01 3.1E+03	nm c n	1.5E+06 5.6E+00 3.0E+02	nm c n	1.1E-05 1.5E-03 1.5E-03	c c c	1.5E-04 2.0E-02 2.0E-02	c c c	1.6E+04 3.1E-02 4.7E+00	n c n	1.0E+02	2.8E+07 5.9E-04 1.8E+05	
9.0E-03 6.2E-04	P I	3.0E-04 I	P	3.0E-04 4.0E-02	P H	6.0E-06 H	P H	M M	1 1	0.1 0.1		Cobalt Coke Oven Emissions Copper	7440-48-4 8007-45-2 7440-50-8	2.3E+01 8.07-45-2 3.1E+03	n n n	3.0E+02 4.1E+04 4.1E+04	n n n	2.7E-04 1.5E-03 1.5E-03	c* c c	1.4E-03 2.0E-02 2.0E-02	c* c c	4.7E+00 6.2E+02 6.2E+02	n n n	1.3E+03	2.1E-01 2.2E+01 4.6E+01	
				5.0E-02 5.0E-02 1.0E-01	I I A	6.0E-01 6.0E-01 6.0E-01	C C C		1 1 1	0.1 0.1 0.1		Cresol, m- Cresol, o- Cresol, p-	108-39-4 95-48-7 106-44-5	3.1E+03 3.1E+03 6.1E+03	n n n	3.1E+04 3.1E+04 6.2E+04	n n n	6.3E+02 6.3E+02 6.3E+02	n n n	2.6E+03 2.6E+03 2.6E+03	n n n	7.2E+02 7.2E+02 1.4E+03	n n n		5.7E-01 5.8E-01 1.1E+00	
1.9E+00	H			1.0E-01 1.0E-01 1.0E-03	A A P	6.0E-01 6.0E-01 6.0E-01	C C V		1 1 1	0.1 0.1 0.1	1.7E+04	Cresol, p-chloro-m- Cresols Crotonaldehyde, trans-	59-50-7 1319-77-3 123-73-9	6.1E+03 6.1E+03 3.4E-01	n n c	6.2E+04 6.2E+04 1.5E+00	n n c	6.3E+02 6.3E+02 6.3E+02	n n n	2.6E+03 2.6E+03 2.6E+03	n n n	1.1E+03 1.4E+03 3.5E-02	n n c		1.3E+00 1.2E+00 7.1E-06	
2.2E-01 8.4E-01	C H	6.3E-05 H	C	1.0E-01 2.0E-03	I H	4.0E-01 H	I H	V V	1 1	0.1 0.1	2.7E+02	Cumene Cupferron Cyanazine	98-82-8 135-20-6 21725-46-2	2.1E+03 2.2E+00 5.8E-01	ns c c	1.1E+04 7.8E+00 2.1E+00	ns c c	4.2E+02 3.9E-02 3.9E-02	n c c	1.8E+03 1.9E-01 1.9E-01	n c c	3.9E+02 3.1E-01 7.6E-02	n c c		6.4E-01 5.3E-04 3.5E-05	
				1.0E-03 5.0E-03	I I			V V	1 1			Cyanides ~Calcium Cyanide ~Copper Cyanide	592-01-8 544-92-3	7.8E+01 3.9E+02	n n	1.0E+03 5.1E+03	n n					1.6E+01 7.8E+01	n n			
6.0E-04 1.0E-03 9.0E-02	I I I	8.0E-04 I	S V V					V V V	1 1 1	1.0E+07		*Cyanide (CN-) *Cyanogen *Cyanogen Bromide	57-12-5 460-19-5 506-68-3	2.2E+01 7.8E+01 7.0E+03	n n n	1.4E+02 1.0E+03 9.2E+04	n n n	8.3E-01 1.0E+03 9.2E+04	n n n	3.5E+00 3.5E+00 3.5E+00	n n n	1.4E+00 1.6E+01 1.4E+03	n n n	2.0E+02	1.4E-02 1.6E+01 1.4E+03	2.0E+00
5.0E-02 6.0E-04 2.0E-03	I I I			5.0E-02 8.0E-04 8.0E-04	I I I			V V V	1 1 1	1.0E+07		*Cyanogen Chloride *Hydrogen Cyanide *Potassium Cyanide	506-77-4 74-90-8 151-50-8	3.9E+03 2.3E+01 1.6E+02	n n n	5.1E+04 1.5E+02 2.0E+03	n n n	3.9E+03 8.3E-01 3.5E+00	n n n	7.8E+02 3.5E+00 3.5E+00	n n n	7.8E+02 1.4E+00 3.1E+01	n n n		1.4E-02	
5.0E-03 1.0E-01 1.0E-03	I I I							V V V	0.04 0.04 1			*Potassium Silver Cyanide ~Silver Cyanide ~Sodium Cyanide	506-61-6 506-64-9 143-33-9	3.9E+02 7.8E+03 7.8E+01	n n n	5.1E+03 1.0E+05 1.0E+03	n nm n					5.9E+01 1.3E+03 1.6E+01	n n n	2.0E+02		
2.0E-04 2.0E-04 5.0E-02	P X I							V V V	1 1 1			*Thiocyanates *Thiocyanic Acid *Zinc Cyanide	NA 463-56-9 557-21-1	1.6E+01 4.6E+02 3.9E+03	n n n	2.0E+02 5.1E+04 5.1E+04	n n ns					3.1E+00 3.1E+00 7.8E+02	n n n			
2.3E-02	H			6.0E+00 5.0E+00	I I	1.0E+00 7.0E-01	I P	V V	1 1	1.2E+02		Cyclohexane Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro- Cyclohexanone	110-82-7 87-84-3 108-94-1	7.0E+03 2.1E+01 3.1E+05	ns c nm	2.9E+04 7.5E+01 3.1E+06	ns c nm	6.3E+03 7.3E+02 7.3E+02	n n n	2.6E+04 3.1E+03 3.1E+03	n n n	1.3E+04 2.1E+00 7.7E+04	n c n		1.3E+01 1.2E-02 1.8E+01	
				5.0E-03 2.0E-01 5.0E-03	P I I	1.0E+00 1.0E+00 1.0E+00	X V V		1 1 1	2.8E+02		Cyclohexene Cyclohexylamine Cyhalothrin/karate	110-83-8 108-91-8 68085-85-8	3.1E+02 1.2E+04 3.1E+02	ns n n	2.8E+03 1.2E+05 3.1E+03	ns nm n	1.0E+03 1.2E+05 3.1E+03	n nm n	4.4E+03 3.0E+03 7.8E+01	n n n	5.3E+01 3.0E+03 7.8E+01	n n n		3.5E-02 7.9E-01 5.3E+01	
2.4E-01	I	6.9E-05	C	1.0E-02 7.5E-03	I I			V V	1 1	0.1 0.1		Cypermethrin Cyromazine DDD	52315-07-8 66215-27-8 72-54-8	6.1E+02 4.6E+02 2.0E+00	n n c	6.2E+03 4.6E+03 7.2E+00	n n c	3.5E-02 3.5E-02 3.5E-02	c c c	1.8E-01 1.8E-01 1.8E-01	c c c	1.6E+02 1.2E+02 2.7E-02	n n n		2.5E+01 3.0E-02 6.4E-03	
3.4E-01 3.4E-01	I I	9.7E-05 9.7E-05	C I	5.0E-04 1.0E-02	I I			V V	1 1	0.1 0.03 0.1		DDE, p,p'- DDT Dacthal	72-55-9 50-29-3 1861-32-1	1.4E+00 1.7E+00 6.1E+02	c c* n	5.1E+00 7.0E+00 6.2E+03	c c* n	2.5E-02 2.5E-02 2.5E-02	c c n	1.3E-01 1.3E-01 1.3E-01	c c n	2.0E-01 2.0E-01 9.3E+01	c c* n		4.6E-02 6.7E-02 1.1E-01	

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Toxicity and Chemical-specific Information												Contaminant		Screening Levels												Protection of Ground Water SSLs	
SFO (mg/kg-day) ⁻¹	k e y	IUR (ug/m ³) ⁻¹	k e y	RfD _o (mg/kg-day)	k e y	RfC _o (mg/m ³)	k e y	o t h e r	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
7.0E-04	I			3.0E-02	I					1	0.1		Dalapon	75-99-0	1.8E+03	n	1.8E+04	n					4.6E+02	n	2.0E+02	9.6E-02	4.1E-02
				7.0E-03	I					1	0.1		Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	4.3E+02	n	2.5E+03	c**					9.6E+01	c**		5.3E+01	
				4.0E-05	I					1	0.1		Demeton	8065-48-3	2.4E+00	n	2.5E+01	n					5.2E-01	n			
1.2E-03	I			6.0E-01	I					1	0.1		Di(2-ethylhexyl)adipate	103-23-1	4.1E+02	c*	1.4E+03	c					5.6E+01	c	4.0E+02	4.0E+00	2.9E+01
6.1E-02	H									1	0.1		Diallate	2303-16-4	8.0E+00	c	2.8E+01	c					4.6E-01	c		6.8E-04	
				7.0E-04	A					1	0.1		Diazinon	333-41-5	4.3E+01	n	4.3E+02	n					7.9E+00	n		4.9E-02	
8.0E-01	P	6.0E-03	P	1.0E-02	X					1		9.8E+02	Dibenzothiophene	132-65-0	7.8E+02	n	1.0E+04	n					4.8E+01	n		8.8E-01	
				2.0E-04	P	2.0E-04	I	V	M	1			1	0.1		Dibromo-3-chloropropane, 1,2-	96-12-8	5.4E+03	c	6.9E-02	c	1.6E-04	c	2.0E-03	c	3.2E-04	c
				1.0E-02	I					1			Dibromobenzene, 1,4-	106-37-6	6.1E+02	n	6.2E+03	n					9.8E+01	n		9.3E-02	
8.4E-02	I	2.7E-05	C	2.0E-02	I					1	0.1	8.0E+02	Dibromochloromethane	124-48-1	6.8E-01	c	3.3E+00	c	9.0E-02	c	4.5E-01	c	1.5E-01	c	8.0E+01(F)	3.9E-05	2.1E-02
2.0E+00	I	6.0E-04	I	9.0E-03	I	9.0E-03	I	V		1		1.3E+03	Dibromoethane, 1,2-	106-93-4	3.4E-02	c	1.7E-01	c	4.1E-03	c	2.0E-02	c	6.5E+03	c	5.0E-02	1.8E-06	1.4E-05
				1.0E-02	H	4.0E-03	X	V		1			2.8E+03	Dibromomethane (Methylene Bromide)	74-95-3	2.5E+01	n	1.1E+02	n	4.2E+00	n	1.8E+01	n	7.9E+00	n		1.9E-03
				3.0E-04	P					1	0.1		Dibutyltin Compounds	NA	1.8E+01	n	1.8E+02	n					4.7E+00	n			
				3.0E-02	I					1	0.1		Dicamba	1918-00-9	1.8E+03	n	1.8E+04	n					4.4E+02	n		1.1E-01	
		4.2E-03	P							1		5.2E+02	Dichloro-2-butene, 1,4-	764-41-0	6.9E+03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
		4.2E-03	P							1	0.1	5.2E+02	Dichloro-2-butene, cis-1,4-	1476-11-5	6.9E-03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
5.0E-02	I									1	0.1	7.6E+02	Dichloro-2-butene, trans-1,4-	110-57-6	6.9E-03	c	3.5E-02	c	5.8E-04	c	2.9E-03	c	1.2E-03	c		5.4E-07	
				4.0E-03	I					1	0.1		Dichloroacetic Acid	79-43-6	9.7E+00	c*	3.4E+01	c*					1.3E+00	c*	6.0E+01	2.7E-04	1.2E-02
5.4E-03	C	1.1E-05	C	9.0E-02	I	2.0E-01	H	V		1		3.8E+02	Dichlorobenzene, 1,2-	95-50-1	1.9E+03	ns	9.8E+03	ns	2.1E+02	n	8.8E+02	n	2.8E+02	n	6.0E+02	2.7E-01	5.8E-01
				7.0E-02	A	8.0E-01	I	V		1			106-46-7	Dichlorobenzene, 1,4-	106-46-7	2.4E+00	c	1.2E+01	c	2.2E-01	c	1.1E+00	c	4.2E-01	c	7.5E+01	4.0E-04
4.5E-01	I	3.4E-04	C							1	0.1		Dichlorobenzidine, 3,3'-	91-94-1	1.1E+00	c	3.8E+00	c	7.2E-03	c	3.6E-02	c	1.1E-01	c		7.1E-04	
				9.0E-03	X					1	0.1		Dichlorobenzophenone, 4,4'-	90-98-2	5.5E+02	n	5.5E+03	n					5.7E+01	n		3.5E-01	
5.7E-03	C	1.6E-06	C	2.0E-01	I	1.0E-01	X	V		1		8.5E+02	Dichlorodifluoromethane	75-71-8	9.4E+01	n	4.0E+02	n	1.0E+02	n	4.4E+02	n	1.9E+02	n		3.0E-01	
				2.0E-01	P			V		1		1.7E+03	Dichloroethane, 1,1-	75-34-3	3.3E+00	c	1.7E+01	c	1.5E+00	c	7.7E+00	c	2.4E+00	c		6.8E-04	
9.1E-02	I	2.6E-05	I	6.0E-03	X	7.0E-03	P	V		1		3.0E+03	Dichloroethane, 1,2-	107-06-2	4.3E-01	c*	2.2E+00	c*	9.4E-02	c*	4.7E-01	c*	1.5E-01	c*	5.0E+00	4.2E-05	1.4E-03
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	Dichloroethylene, 1,1-	75-35-4	2.4E+02	n	1.1E+03	n	2.1E+02	n	8.8E+02	n	2.6E+02	n	7.0E+00	9.3E-02	2.5E-03
				9.0E-03	H			V		1		1.3E+03	Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	7.0E+02	n	9.2E+03	ns					1.3E+02	n		3.7E-02	
				2.0E-03	I			V		1		2.4E+03	Dichloroethylene, 1,2-cis-	156-59-2	1.6E+02	n	2.0E+03	n					2.8E+01	n	7.0E+01	8.2E-03	2.1E-02
				2.0E-02	I	6.0E-02	P	V		1		1.7E+03	Dichloroethylene, 1,2-trans-	156-60-5	1.5E+02	n	6.9E+02	n	6.3E+01	n	2.6E+02	n	8.6E+01	n	1.0E+02	2.5E-02	2.9E-02
				3.0E-03	I					1	0.1		Dichloroethanol, 2,4-	120-83-2	1.8E+02	n	1.8E+03	n					3.5E+01	n		4.1E-02	
				1.0E-02	I					1	0.05		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	6.9E+02	n	7.7E+03	n					1.3E+02	n	7.0E+01	3.5E-02	1.8E-02
				8.0E-03	I					1	0.1		Dichlorophenoxybutyric Acid, 4-(2,4-	94-82-6	4.9E+02	n	4.9E+03	n					9.1E-01	n		3.6E-02	
3.6E-02	C	1.0E-05	C	9.0E-04	A	4.0E-03	I	V		1		1.4E+03	Dichloropropane, 1,2-	78-87-5	9.4E-01	c*	4.7E+00	c*	2.4E-01	c*	1.2E+00	c*	3.8E-01	c*	5.0E+00	1.3E-04	1.7E-03
				2.0E-02	P			V		1		1.5E+03	Dichloropropane, 1,3-	142-28-9	1.6E+03	ns	2.0E+04	ns					2.9E+02	n		9.9E-02	
1.0E-01	I	4.0E-06	I	3.0E-03	I					1	0.1		Dichloropropanol, 2,3-	616-23-9	1.8E+02	n	1.8E+03	n					4.6E+01	n		9.8E-03	
				3.0E-02	I	2.0E-02	I	V		1		1.6E+03	Dichloropropene, 1,3-	542-75-6	1.7E+00	c*	8.3E+00	c*	6.1E-01	c*	3.1E+00	c*	4.1E-01	c*		1.5E-04	
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		Dichlorvos	62-73-7	1.7E+00	c*	5.9E+00	c*	2.9E-02	c*	1.5E-01	c*	2.3E-01	c*		7.0E-05	
				8.0E-03	P	7.0E-03	P	V		1			Dicyclopentadiene	77-73-6	3.1E+01	n	1.3E+02	n	7.3E+00	n	3.1E+01	n	1.2E+01	n		4.3E-02	
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1		Dieldrin	60-57-1	3.0E-02	c	1.1E-01	c	5.3E-04	c	2.7E-03	c	1.5E-03	c		6.1E-05	
				3.0E-04	C					1	0.1		Diesel Engine Exhaust	NA					8.1E-03	c	4.1E-02	c				6.3E-03	
				2.0E-03	P	2.0E-04	P			1	0.1		Diethanblamine	111-42-2	1.2E+02	n	1.2E+03	n	2.1E-01	n	8.8E-01	n	3.1E+01	n		1.0E-01	
				3.0E-02	P	1.0E-04	P			1	0.1		Diethylene Glycol Monobutyl Ether	112-34-5	1.8E+03	n	1.8E+04	n	1.0E-01	n	4.4E-01	n	4.7E+02	n			
				6.0E-02	P	3.0E-04	P			1	0.1		Diethylene Glycol Monoethyl Ether	111-90-0	3.6E+03	n	3.6E+04	n	3.1E-01	n	1.3E+00	n	9.4E+02	n		1.9E-01	
				1.0E-03	P					1	0.1		Diethylformamide	617-84-5	6.1E+01	n	6.2E+02	n					1.6E+01	n		3.2E-03	
3.5E+02	C	1.0E-01	C							1	0.1		Diethylstilbestrol	56-53-1	1.4E-03	c	4.9E-03	c	2.4E-05	c	1.2E-04	c	4.3E-05	c		2.4E-05	
				8.0E-02	I					1	0.1		Difenoquat	49222-48-6	4.9E+03	n	4.9E+04	n					1.2E+03	n			
				2.0E-02	I					1	0.1		Diffubenzuron	35367-38-5	1.2E+03	n	1.2E+04	n					2.2E+02	n		2.5E-01	
4.4E-02	C	1.3E-05	C							1	0.1	1.4F+03	Diffuoromethane, 1,1-	75-37-6	5.2E+04	ns	2.2E+05	nms	4.2E+								

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice); c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1																											
Toxicity and Chemical-specific Information												Contaminant		Screening Levels												Protection of Ground Water SSLs	
SFO (mg/kg-day) ⁻¹	k _e y	IUR (ug/m ³) ⁻¹	k _e y	RfD _o (mg/kg-day)	k _e y	RfC _i (mg/m ³)	k _e y	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)	
1.0E-03	I							V	1	0.1		Dimethylphenol, 3,4-	95-65-8	6.1E+01	n	6.2E+02	n					1.4E+01	n		1.6E-02		
4.5E-02	C	1.3E-05	C						1	0.1	1.1E+03	Dimethylvinylchloride	513-37-1	2.0E-01	c	1.0E+00	c	1.9E-01	c	9.4E-01	c	2.8E-01	c		1.8E-04		
				8.0E-05	X				1	0.1		Dinitro-o-cresol, 4,6-	534-52-1	4.9E+00	n	4.9E+01	n					1.2E+00	n		2.0E-03		
				2.0E-03	I				1	0.1		Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	1.2E+02	n	1.2E+03	n					1.7E+01	n		5.7E-01		
				1.0E-04	P				1	0.1		Dinitrobenzene, 1,2-	528-29-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03		
				1.0E-04	I				1	0.1		Dinitrobenzene, 1,3-	99-65-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03		
				1.0E-04	P				1	0.1		Dinitrobenzene, 1,4-	100-25-4	6.1E+00	n	6.2E+01	n					1.5E+00	n		1.4E-03		
				2.0E-03	I				1	0.1		Dinitrophenol, 2,4-	51-28-5	1.2E+02	n	1.2E+03	n					3.0E+01	n		3.4E-02		
6.8E-01	I								1	0.1		Dinitrotoluene Mixture, 2,4/2,6-	NA	7.2E-01	c	2.5E+00	c					9.2E-02	c		1.3E-04		
3.1E-01	C	8.9E-05	C	2.0E-03	I				1	0.102		Dinitrotoluene, 2,4-	121-14-2	1.6E+00	c*	5.5E+00	c	2.7E-02	c	1.4E-01	c	2.0E-01	c		2.8E-04		
1.5E+00	P			3.0E-04	X				1	0.099		Dinitrotoluene, 2,6-	606-20-2	3.3E-01	c*	1.2E+00	c					4.2E-02	c		5.8E-05		
				2.0E-03	S				1	0.006		Dinitrotoluene, 2-Amino-4,6-	35572-78-2	1.5E+02	n	2.0E+03	n					3.0E+01	n		2.3E-02		
				2.0E-03	S				1	0.009		Dinitrotoluene, 4-Amino-2,6-	19406-51-0	1.5E+02	n	1.9E+03	n					3.0E+01	n		2.3E-02		
4.5E-01	X			9.0E-04	X				1	0.1		Dinitrotoluene, Technical grade	25321-14-6	1.1E+00	c*	3.8E+00	c					1.4E-01	c*		1.9E-04		
				1.0E-03	I				1	0.1		Dinoseb	88-85-7	6.1E+01	n	6.2E+02	n					1.1E+01	n	7.0E+00	9.8E-02	6.2E-02	
1.0E-01	I	5.0E-06	I	3.0E-02	I	3.0E-02	I		1	0.1		Dioxane, 1,4-	123-91-1	4.9E+00	c	1.7E+01	c	4.9E-01	c*	2.5E+00	c*	6.7E-01	c		1.4E-04		
6.2E+03	I	1.3E+00	I						1	0.03		Dioxins	NA	9.4E-05	c	3.9E-04	c	1.9E-06	c	9.4E-06	c	1.1E-05	c		1.5E-05		
1.3E+05	C	3.8E+01	C	7.0E-10	I	4.0E-08	C		1	0.03		~Hexachlorodibenzo-p-dioxin, Mixture ~TCDD, 2,3,7,8-	1746-01-6	4.5E-06	c*	1.8E-05	c*	6.4E-08	c	3.2E-07	c	5.2E-07	c*	3.0E-05	2.6E-07	1.5E-05	
				3.0E-02	I				1	0.1		Diphenamid	957-51-7	1.8E+03	n	1.8E+04	n					4.1E+02	n		4.0E+00		
				8.0E-04	X				1	0.1		Diphenyl Sulfone	127-63-9	4.9E+01	n	4.9E+02	n					1.1E+01	n		2.8E-02		
				2.5E-02	I				1	0.1		Diphenylamine	122-39-4	1.5E+03	n	1.5E+04	n					2.4E+02	n		4.4E-01		
8.0E-01	I	2.2E-04	I						1	0.1		Diphenylhydrazine, 1,2-	122-66-7	6.1E-01	c	2.2E+00	c	1.1E-02	c	5.6E-02	c	6.7E-02	c		2.2E-04		
				2.2E-03	I				1	0.1		Diquat	85-00-7	1.3E+02	n	1.4E+03	n					3.4E+01	n	2.0E+01	6.5E-01	3.7E-01	
7.4E+00	C	2.1E-03	C						1	0.1		Direct Black 38	1937-37-7	6.6E-02	c	2.3E-01	c	1.2E-03	c	5.8E-03	c	9.1E-03	c		4.4E+00		
7.4E+00	C	2.1E-03	C						1	0.1		Direct Blue 6	2602-46-2	6.6E-02	c	2.3E-01	c	1.2E-03	c	5.8E-03	c	9.1E-03	c		1.4E+01		
6.7E+00	C	1.9E-03	C						1	0.1		Direct Brown 95	16071-86-6	7.3E-02	c	2.6E-01	c	1.3E-03	c	6.5E-03	c	1.0E-02	c		3.8E-01		
				4.0E-05	I				1	0.1		Disulfoton	298-04-4	2.4E+00	n	2.5E+01	n					3.8E-01	n		7.1E-04		
				1.0E-02	I			V	1	0.1		Dithiane, 1,4-	505-29-3	6.1E+02	n	6.2E+03	n					1.5E+02	n		7.6E-02		
				2.0E-03	I				1	0.1		Diuron	330-54-1	1.2E+02	n	1.2E+03	n					2.8E+01	n		1.2E-02		
				4.0E-03	I				1	0.1		Dodine	2439-10-3	2.4E+02	n	2.5E+03	n					6.2E+01	n		3.2E-01		
				2.5E-02	I			V	1			EPTC	759-94-4	2.0E+03	n	2.6E+04	n					2.9E+02	n		1.5E-01		
				6.0E-03	I				1	0.1		Endosulfan	115-29-7	3.7E+02	n	3.7E+03	n					7.8E+01	n		1.1E+00		
				2.0E-02	I				1	0.1		Endothal	145-73-3	1.2E+03	n	1.2E+04	n					3.0E+02	n	1.0E+02	7.1E-02	2.4E-02	
				3.0E-04	I				1	0.1		Endrin	72-20-8	1.8E+01	n	1.8E+02	n					1.7E+00	n	2.0E+00	6.8E-02	8.1E-02	
9.9E-03	I	1.2E-06	I	6.0E-03	P	1.0E-03	I	V	1		1.1E+04	Epichlorohydrin	106-89-8	2.0E+01	n	8.8E+01	n	1.0E+00	n	4.4E+00	n	2.0E+00	n		4.5E-04		
				2.0E-02	I	V			1		1.5E+04	Epoxybutane, 1,2-	106-88-7	1.7E+02	n	7.2E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		9.2E-03		
				5.0E-03	I				1	0.1		Ethephon	16672-87-0	3.1E+02	n	3.1E+03	n					7.8E+01	n		1.6E-02		
				5.0E-04	I				1	0.1		Ethion	563-12-2	3.1E+01	n	3.1E+02	n					3.2E+00	n		6.3E-03		
				1.0E-01	P	6.0E-02	P		1	0.1		Ethoxyethanol Acetate, 2-	111-15-9	6.1E+03	n	6.2E+04	n	6.3E+01	n	2.6E+02	n	1.5E+03	n		3.2E-01		
				9.0E-02	P	2.0E-01	I		1	0.1		Ethoxyethanol, 2-	110-80-5	5.5E+03	n	5.5E+04	n	2.1E+02	n	8.8E+02	n	1.4E+03	n		2.8E-01		
				9.0E-01	I	7.0E-02	P	V	1		1.1E+04	Ethyl Acetate	141-78-6	6.7E+02	n	2.8E+03	n	7.3E+01	n	3.1E+02	n	1.4E+02	n		3.1E-02		
4.8E-02	H							V	1		2.5E+03	Ethyl Acrylate	140-88-5	1.3E+01	c	6.0E+01	c					1.4E+00	c		3.0E-04		
				1.0E+01	I	V			1		2.1E+03	Ethyl Chloride (Chloroethane)	75-00-3	1.5E+04	ns	6.1E+04	ns	1.0E+04	n	4.4E+04	n	2.1E+04	n		5.9E+00		
				2.0E-01	I	V			1		1.0E+04	Ethyl Ether	60-29-7	1.6E+04	ns	2.0E+05	nms					3.1E+03	n		6.8E-01		
				9.0E-02	H	3.0E-01	P	V	1		1.1E+03	Ethyl Methacrylate	97-63-2	1.5E+03	ns	7.5E+03	ns	3.1E+02	n	1.3E+03	n	4.2E+02	n		9.9E-02		
1.1E-02	C	2.5E-06	C	1.0E-05	I				1	0.1		Ethyl-p-nitrophenyl Phosphonate	2104-64-5	6.1E-01	n	6.2E+00	n					6.6E-02	n		2.1E-03		
				1.0E-01	I	1.0E+00	I	V	1		4.8E+02	Ethylbenzene	100-41-4	5.4E+00	c	2.7E+01	c	9.7E-01	c	4.9E+00	c	1.3E+00	c	7.0E+02	1.5E-03	7.8E-01	
				7.0E-02	P				1	0.1		Ethylene Cyanohydrin	109-78-4	4.3E+03	n	4.3E+04	n					1.1E+03	n		2.2E-01		
				9.0E-02	P				1	0.1		Ethylene Diamine	107-15-3	5.5E+03	n	5.5E+04	n					1.4E+03	n		3.2E-01		
				2.0E+00	I	4.0E-01	C		1	0.1		Ethylene Glycol	107-21-1	1.2E+05	nm	1.2E+06	nm	4.2E+02									

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice) ; c = cancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1																												
Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Ground Water SSLs	
SFO (mg/kg-day) ⁻¹	k _e y	IUR (ug/m ³) ⁻¹	k _e y	RfD _o (mg/kg-day)	k _e y	RfC _o (mg/m ³)	k _e y	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)		
3.5E-03	I			1.0E-02 1.0E-01	I				1	0.1 0.1		Fluvalinate Folpet	69409-94-5 133-07-3	6.1E+02 1.4E+02	n c*	6.2E+03 4.9E+02	n c					1.6E+02 1.7E+01	n c*		2.3E+02 4.1E-03			
1.9E-01	I			2.0E-03 1.3E-05	I				1	0.1 0.1		Fomesafen Fonofos Formaldehyde	72178-02-0 944-22-9 50-00-0	2.6E+00 1.2E+02 1.2E+04	c n n	9.1E+00 1.2E+03 1.2E+05	c n nm		1.9E-01 c*	9.4E-01 c*		3.4E-01 1.8E+01 3.1E+03	n n n		1.1E-03 3.5E-02 6.2E-01			
				9.0E-01 3.0E+00	P	3.0E-04	X		1	0.1 0.1		Formic Acid Fosetyl-AL Furans	64-18-6 39148-24-8	4.9E+04 1.8E+05	n nm	4.2E+05 1.8E+06	nm	3.1E-01	n	1.3E+00	n	1.4E+04 4.7E+04	n n		2.8E+00			
				1.0E-03 1.0E-03 9.0E-01	X I I		V V 2.0E+00	I V I	1 1 0.1		6.2E-03 1.7E+05	~Dibenzofuran ~Furan ~Tetrahydrofuran	132-64-9 110-00-9 109-99-9	7.8E+01 7.8E+01 1.8E+04	n n n	1.0E+03 1.0E+03 9.5E+04	n n n					5.8E+00 1.5E+01 3.2E+03	n n n		1.1E-01 5.7E-03 7.1E-01			
3.8E+00	H			3.0E-03	I	5.0E-02	H		1	0.1		Furazolidone Furfural Furium	67-45-8 98-01-1 531-82-8	1.3E-01 1.8E+02 3.2E-01	c n c	4.5E-01 1.8E+03 1.1E+00	c n c					1.8E-02 4.6E+01 4.4E-02	c n c		3.4E-05 9.9E-03 5.9E-05			
1.5E+00	C	4.3E-04	C						1	0.1		Furmecyclox Glufosinate, Ammonium Glutaraldehyde	60568-05-0 77182-82-2 111-30-8	1.6E+01 2.4E+01 1.1E+05	c n nm	5.7E+01 2.5E+02 4.8E+05	c n nm	2.8E-01	c	1.4E+00	c	9.6E-01 6.3E+00	c n		1.0E-03 1.4E-03			
3.0E-02	I	8.6E-06	C	4.0E-04	I				1	0.1 0.1 0.1		Glycidyl Glyphosate Goal	765-34-4 1071-83-6 42874-03-3	2.4E+01 6.1E+03 1.8E+02	n n n	2.5E+02 6.2E+04 1.8E+03	n n n			1.0E+00	n	4.4E+00	n	6.2E+00 1.6E+03 2.4E+01	n n n	7.0E+02	1.3E-03 6.9E+00 1.9E+00	3.1E+00
				3.0E-03 5.0E-05 1.3E-02	A I I	1.0E-02	A		1	0.1 0.1 0.1		Guthion Haloxypol, Methyl Harmony	86-50-0 69806-40-2 79277-27-3	1.8E+02 3.1E+00 7.9E+02	n n n	1.8E+03 3.1E+01 8.0E+03	n n n	1.0E+01	n	4.4E+01	n	4.3E+01 5.8E-01 2.0E+02	n n n		1.3E-02 6.4E-03 6.1E-02			
4.5E+00	I	1.3E-03	I	5.0E-04	I				1	0.1		Heptachlor Heptachlor Epoxide Hexabromobenzene	76-44-8 1024-57-3 87-82-1	1.1E-01 5.3E-02 1.2E+02	c c*	3.8E-01 1.9E-01 1.2E+03	c c*	1.9E-03 9.4E-04	c c	9.4E-03 4.7E-03	c c	1.8E-03 3.3E-03 3.1E+01	c c*	4.0E-01 2.0E-01	1.4E-04 6.8E-05 1.8E-01	3.3E-02 4.1E-03		
9.1E+00	I	2.6E-03	I	2.0E-03	I				1	0.1		Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153) Hexachlorobenzene Hexachlorobutadiene	68631-49-2 118-74-1 87-69-3	1.2E+01 3.0E-01 6.2E+00	n c c**	1.2E+02 1.1E+00 2.2E+01	n c c*		5.3E-03 1.1E-01	c c	2.7E-02 5.6E-01	c c	4.2E-02 2.6E-01	c c*	1.0E+00	5.3E-04 5.0E-04	1.3E-02	
1.6E+00	I	4.6E-04	I	8.0E-04	I				1	0.1		Hexachlorocyclohexane, Alpha- Hexachlorocyclohexane, Beta- Hexachlorocyclohexane, Gamma- (Lindane)	319-84-6 319-85-7 58-89-9	7.7E-02 2.7E-01 5.2E-01	c c c*	2.7E-01 9.6E-01 2.1E+00	c c c	1.4E-03 4.6E-03 7.8E-03	c c c	6.8E-03 2.3E-02 4.0E-02	c c c	6.2E-03 2.2E-02 3.6E-02	c c c*	2.0E-01	3.6E-05 1.3E-04 2.1E-04	1.2E-03		
1.8E+00	I	5.1E-04	I						1	0.1		Hexachlorocyclohexane, Technical Hexachlorocyclopentadiene Hexachloroethane	608-73-1 77-47-4 67-72-1	2.7E-01 3.7E+02 1.2E+01	c n c**	9.6E-01 3.7E+03 4.3E+01	c n c*	4.8E-03 2.1E-01 2.2E-01	c n c	2.4E-02 8.8E-01 1.1E+00	c n c	2.2E-02 2.2E+01 7.9E-01	c n c**	5.0E+01	1.3E-04 7.0E-02 4.8E-04	1.6E-01		
4.0E-02	I	1.1E-05	C	3.0E-04 3.0E-03	I I	1.0E-05	I V		1	0.1 0.015		Hexachlorophene Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Hexamethylene Dilsocyanate, 1,6-	70-30-4 121-82-4 822-06-0	1.8E+01 5.6E+00 3.4E+00	n c* n	1.8E+02 2.4E+01 1.4E+01	n c n			1.0E-02	n	4.4E-02	n	2.1E-02	n	6.3E+00 2.3E-04 2.1E-04		
1.1E-01	I			4.0E-04 6.0E-02 2.0E+00	P H P	7.0E-01	I V		1	0.1 0.1		Hexamethylphosphoramide Hexane, N- Hexanedioic Acid	680-31-9 110-54-3 124-04-9	2.4E+01 5.7E+02 1.2E+05	n ns nm	2.5E+02 2.6E+03 1.2E+06	n ns nm	7.3E+02	n	3.1E+03	n	2.5E+02 3.1E+04	n n		1.4E-03 1.8E+00 7.7E+00			
				5.0E-03 3.3E-02	I I	3.0E-02	I V		1	0.1	3.3E-03	Hexanone, 2- Hexazinone Hydrazine	591-78-6 51235-04-2 302-01-2	2.1E+02 2.0E+03 2.1E-01	n n c	1.4E+03 2.0E+04 9.5E-01	n n c	3.1E+01 5.0E+02 5.0E-04	n n c*	1.3E+02 5.0E+02 2.5E-03	n n c*	3.4E+01 5.0E+02 2.2E-02	n n c		7.9E-03 2.3E-01			
3.0E+00	I	4.9E-03	I			3.0E-05	P		1			Hydrazine Sulfate Hydrogen Chloride Hydrogen Fluoride	10034-93-2 7647-01-0 7664-39-3	2.1E-01 2.8E+07 3.1E+03	c nm n	9.5E-01 1.2E+08 4.1E+04	c nm n	5.0E-04 2.1E+01 1.5E+01	c n n	2.5E-03 8.8E+01 6.1E+01	c n n	2.2E-02 6.2E+02	c n n					
				2.0E-03	I				1			Hydrogen Sulfide Hydroquinone Imazali	7783-06-4 123-31-9 35554-44-0	2.8E+06 8.1E+00 7.9E+02	nm c n	1.2E+07 2.9E+01 8.0E+03	nm c n	2.1E+00	n	8.8E+00	n	1.1E+00 1.4E+02	c n		7.5E-04 2.5E+00			
6.0E-02	P			4.0E-02 1.3E-02	P I				1	0.1 0.1		Imazaquin Iodine Iprodione	81335-37-7 7553-56-2 36734-19-7	1.5E+04 7.8E+02 2.4E+03	n n n	1.5E+05 1.0E+04 2.5E+04	nm n n					3.8E+03 1.6E+02 5.7E+02	n n n		1.9E+01 9.4E+00 1.7E-01			
				7.0E-01 3.0E-01	P I				1	0.1 0.1		Iron Isobutyl Alcohol Isophorone	7439-89-6 78-83-1 78-59-1	5.5E+04 1.8E+04 5.1E+02	n n c*	7.2E+05 1.8E+05 1.8E+03	nm nm c*			2.1E+03	n	8.8E+03	n	6.7E+01	c*	2.7E+02 9.5E-01 2.2E-02		
9.5E-04	I			1.5E-02 1.0E-01	I I	7.0E+00	C		1	0.1 0.1		Isopropalin Isopropanol Isopropyl Methyl Phosphonic Acid	33820-53-0 67-63-0 1832-54-8	9.2E+02 9.9E+09 6.1E+03	n nm n	9.2E+03 4.2E+10 6.2E+04	n nm n	7.3E+03	n	3.1E+04	n	2.9E+01 1.6E+03	n n		6.6E-01 3.4E-01			
				5.0E-02 7.5E-02	I I	3.0E-01	A V		1	0.1 0.1		Isoxaben JP-7 Kerb	82558-50-7 NA 23950-58-5	3.1E+03 4.3E+08 4.6E+03	n nm n	3.1E+04 1.8E+09 4.6E+04	n nm n	3.1E+02	n	1.3E+03	n	5.6E+02 6.3E+02 9.0E+02	n n n		1.5E+00 9.1E-01			
				2.0E-03	I				1	0.1		Lactofen Lead Compounds Lead acetate	77501-63-4 301-04-2	1.2E+02 1.7E+00	n c	1.2E+03 6.2E+00	n c			3.0E-02	c	1.5E-01	c	2.4E-01	c	8.7E-01		
2.8E-01	C	8.0E-05	C						1	0.1		~Lead acetate	301-04-2	1.7E+00	c	6.2E+00	c	3.0E-02	c	1.5E-01	c	2.4E-01	c					

Regional Screening Level (RSL) Summary Table (TR-1E-6, HQ=1) November 2013

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

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

Regional Screening Level (RSL) Summary Table (TR-1E-6, HQ=1) November 2013

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

Toxicity and Chemical-specific Information										Contaminant		Screening Levels										Protection of Ground Water SSLs				
SFO (mg/kg-day) ⁻¹	k _e y	IUR (ug/m ³ -day) ⁻¹	k _e y	RfD _o (mg/kg-day)	k _e y	RfC _o (mg/m ³)	k _e _o y	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1.8E+01	C	5.1E-03	C	2.0E-04	I				1	0.1		Mirex	2385-85-5	2.7E-02	c	9.6E-02	c	4.8E-04	c	2.4E-03	c	3.7E-03	c		2.7E-03	
		2.0E-03	I						1	0.1		Molinate	2212-67-1	1.2E+02	n	1.2E+03	n					2.3E+01	n		1.3E-02	
		5.0E-03	I						1			Molybdenum	7439-98-7	3.9E+02	n	5.1E+03	n					7.8E+01	n		1.6E+00	
		1.0E-01	I						1			Monochloramine	10599-90-3	7.8E+03	n	1.0E+05	nm					1.6E+03	n	4.0E+03		
		2.0E-03	P						1	0.1		Monomethylaniline	100-61-8	1.2E+02	n	1.2E+03	n					3.0E+01	n		1.1E-02	
		3.0E-04	X						1	0.1		N,N'-Diphenyl-1,4-benzenediamine	74-31-7	1.8E+01	n	1.8E+02	n					2.7E+00	n		2.8E-01	
		2.0E-03	I						1	0.1		Naled	300-76-5	1.2E+02	n	1.2E+03	n					3.1E+01	n		1.4E-02	
1.8E+00	C	0.0E+00	C	3.0E-02	X	1.0E-01	P	V	1			Naphtha, High Flash Aromatic (HFAN)	64724-95-6	2.3E+03	n	3.1E+04	n	1.0E+02	n	4.4E+02	n	1.4E+02	n			
									1	0.1		Naphthylamine, 2-	91-59-8	2.7E-01	c	9.6E-01	c					3.3E-02	c		1.7E-04	
				1.0E-01	I				1	0.1		Napropamide	15299-99-7	6.1E+03	n	6.2E+04	n					1.3E+03	n		8.3E+00	
		2.4E-04	I	1.1E-02	C	1.4E-05	C		0.04			Nickel Carbonyl	13463-39-3	8.2E+02	n	9.9E+03	n	1.5E-02	n	6.1E-02	n	1.5E+02	n			
				1.1E-02	C	2.0E-05	C		1			Nickel Oxide	1313-99-1	8.4E+02	n	1.0E+04	n	2.1E-02	n	8.8E-02	n	1.7E+02	n			
				1.1E-02	C	1.4E-05	C		0.04			Nickel Refinery Dust	NA	8.2E+02	n	9.9E+03	n	1.0E-02	c**	5.1E-02	c**	1.7E+02	n		2.5E+01	
		2.6E-04	C	2.0E-02	I	9.0E-05	A		0.04			Nickel Soluble Salts	7440-02-0	1.5E+03	n	2.0E+04	n	9.4E-03	c*	4.7E-02	c**	3.0E+02	n		2.0E+01	
1.7E+00	C	4.8E-04	I	1.1E-02	C	1.4E-05	C		0.04			Nickel Subsulfide	12035-72-2	3.8E-01	c	1.7E+00	c	5.1E-03	c**	2.6E-02	c**	3.9E-02	c			
				1.6E+00	I				1			Nitrate	14797-55-8	1.3E+05	nm	1.6E+06	nm					2.5E+04	n	1.0E+04		
				1.0E-01	I				1			Nitrate + Nitrite (as N)	NA											1.0E+04		
				1.0E-02	X	5.0E-05	X		1	0.1		Nitrite	14797-65-0	7.8E+03	n	1.0E+05	nm					1.6E+03	n			
									1	0.1		Nitroaniline, 2-	88-74-4	6.1E+02	n	6.0E+03	n	5.2E-02	n	2.2E-01	n	1.5E+02	n		6.2E-02	
2.0E-02	P	4.0E-05	I	4.0E-03	P	6.0E-03	P		1	0.1		Nitroaniline, 4-	100-01-6	2.4E+01	c*	8.6E+01	c*	6.3E+00	n	2.6E+01	n	3.3E+00	c*		1.4E-03	
				2.0E-03	I	9.0E-03	I	V	1		3.1E+03	Nitrobenzene	98-95-3	4.8E+00	c*	2.4E+01	c*	6.1E-02	c	3.1E-01	c	1.2E-01	c*		7.9E-05	
				3.0E-03	P				1	0.1		Nitrocellulose	9004-70-0	1.8E+08	nm	1.8E+09	nm					4.7E+07	n		1.0E+04	
				7.0E-02	H				1	0.1		Nitrofurantoin	67-20-9	4.3E+03	n	4.3E+04	n					1.1E+03	n		4.7E-01	
1.3E+00	C	3.7E-04	C						1	0.1		Nitrofurazone	59-87-0	3.7E-01	c	1.3E+00	c	6.6E-03	c	3.3E-02	c	5.2E-02	c		4.6E-05	
1.7E-02	P			1.0E-04	P				1	0.1		Nitroglycerin	55-63-0	6.1E+00	n	6.2E+01	n					1.5E+00	n		6.6E-04	
				1.0E-01	I				1	0.1		Nitroguanidine	556-88-7	6.1E+03	n	6.2E+04	n					1.6E+03	n		3.8E-01	
		8.8E-06	P			5.0E-03	P	V	1		1.8E+04	Nitromethane	75-52-5	5.0E+00	c*	2.5E+01	c*	2.8E-01	c*	1.4E+00	c*	5.5E-01	c*		1.2E-04	
		2.7E-03	H			2.0E-02	I	V	1		4.9E+03	Nitropropane, 2-	79-46-9	1.3E-02	c	6.4E-02	c	9.0E-04	c	4.5E-03	c	1.8E-03	c		4.7E-07	
2.7E+01	C	7.7E-03	C					M	1	0.1		Nitroso-N-methylurea, N-	759-73-9	4.3E-03	c	6.4E-02	c	1.2E-04	c	1.6E-03	c	7.9E-04	c		1.9E-07	
1.2E+02	C	3.4E-02	C					M	1	0.1		Nitroso-N-methylurea, N-	684-93-5	9.6E-04	c	1.4E-02	c	2.8E-05	c	3.6E-04	c	1.8E-04	c		4.0E-08	
5.4E+00	I	1.6E-03	I					V	1			Nitroso-di-N-butylamine, N-	924-16-3	8.7E-02	c	4.0E-01	c	1.5E-03	c	7.7E-03	c	2.4E-03	c		4.8E-06	
7.0E+00	I	2.0E-03	C						1	0.1		Nitroso-di-N-propylamine, N-	621-64-7	6.9E-02	c	2.5E-01	c	1.2E-03	c	6.1E-03	c	9.3E-03	c		7.0E-06	
2.8E+00	I	8.0E-04	C						1	0.1		Nitrosodithiophosphamide, N-	1116-54-7	1.7E-01	c	6.2E-01	c	3.0E-03	c	1.5E-02	c	2.4E-02	c		4.8E-06	
1.5E+02	I	4.3E-02	I					M	1	0.1		Nitrosodithylamine, N-	55-18-5	7.7E-04	c	1.1E-02	c	2.2E-05	c	2.9E-04	c	1.4E-04	c		5.2E-08	
5.1E+01	I	1.4E-02	I	8.0E-06	P	4.0E-05	X	M	1	0.1		Nitrosodimethylamine, N-	62-75-9	2.3E-03	c	3.4E-02	c	6.9E-05	c	8.8E-04	c	4.2E-04	c		1.0E-07	
4.9E-03	I	2.6E-06	C						1	0.1		Nitrosodiphenylamine, N-	86-30-6	9.9E+01	c	3.5E+02	c	9.4E-01	c	4.7E+00	c	1.0E+01	c		5.7E-02	
2.2E+01	I	6.3E-03	C						1	0.1		Nitrosodiphenylamine, N-	10595-95-6	2.2E-02	c	7.8E-02	c	3.9E-04	c	1.9E-03	c	3.0E-03	c		8.7E-07	
6.7E+00	C	1.9E-03	C						1	0.1		Nitrosomorpholine [N]	59-69-2	7.3E-02	c	2.6E-01	c	1.3E-03	c	6.5E-03	c	1.0E-02	c		2.5E-06	
9.4E+00	C	2.7E-03	C						1	0.1		Nitrosopiperidine [N]	100-75-4	5.2E-02	c	1.8E-01	c	9.0E-04	c	4.5E-03	c	7.1E-03	c		3.8E-06	
2.1E+00	I	6.1E-04	I						1	0.1		Nitrosopyrrolidine, N-	930-55-2	2.3E-01	c	8.2E-01	c	4.0E-03	c	2.0E-02	c	3.2E-02	c		1.2E-05	
				1.0E-04	X				1	0.1		Nitrotoluene, m-	99-08-1	6.1E+00	n	6.2E+01	n					1.3E+00	n		1.2E-03	
2.2E-01	P			9.0E-04	P			V	1		1.5E+03	Nitrotoluene, o-	88-72-2	2.9E+00	c*	1.3E+01	c*					2.7E-01	c*		2.5E-04	
1.6E-02	P			4.0E-03	P				1	0.1		Nitrotoluene, p-	99-09-0	3.0E+01	c**	1.1E+02	c*					3.7E+00	c*		3.4E-03	
				3.0E-04	X	2.0E-02	P	V	1		6.9E+00	Nonane, n-	111-84-2	1.2E+01	ns	7.4E+01	ns	2.1E+01	n	8.8E+01	n	4.2E+00	n		6.0E-02	
				4.0E-02	I				1	0.1		Norflurazon	27314-13-2	2.4E+03	n	2.5E+04	n					6.0E+02	n		3.9E+00	
				7.0E-04	I				1	0.1		Nustar	85509-19-9	4.3E+01	n	4.3E+02	n					8.3E+00	n		1.4E+00	
				3.0E-03	I				1	0.1		Octabromodiphenyl Ether	82526-52-0	1.8E+02	n	1.8E+03	n					4.7E+01	n		9.3E+00	
				5.0E-02	I				1	0.006		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	3.8E+03	n	4.9E+04	n					7.8E+02	n		9.9E-01	
				2.0E-03	H				1	0.1		Octamethylpyrophosphoramide	152-16-9	1.2E+02	n	1.2E+03	n					3.1E+01	n		7.5E-03	
				5.0E-02	I				1	0.1		Oryzalin	19044-88-3	3.1E+03	n	3.1E+04	n					6.2E+02	n		1.1E+00	
				5.0E-03	I				1	0.1		Oxadiazon	19666-30-9	3.1E+02	n	3.1E+03	n					3.5E+01	n		3.6E-01	
				2.5E-02	I				1	0.1		Oxamyl	23135-22-0	1.5E+03	n	1.5E+04	n					3.9E+02	n	2.0E+02	8.6E-02	4.4E-02
				1.3E-02	I				1	0.1		Paclobutrazol	76738-62-0	7.9E+02	n	8.0E+03	n					1.7E+02	n		3.6E-01	
				4.5E-03	I				1	0.1		Paraquat Dichloride	1910-42-5	2.7E+02	n	2.8E+03	n					7.0E+01	n		9.7E-01	
				6.0E-03	H				1	0.1		Parathion	56-38-2	3.7E+02	n	3.7E+03	n					6.5E+01	n		3.3E-01	
				5.0E-02	H				1	0.1		Pebulate	1114-71-2	3.1E+03	n	3.1E+04	n					4.2E+02	n		3.3E-01	
				4.0E-02	I				1	0.1		Pendimethalin	40487-42-1	2.4E+03	n	2.5E+04	n					1.3E+02	n		1.5E+00	
				2.0E-03	I				1	0.1		Pentabromodiphenyl Ether	32534-81-9	1.2E+02	n	1.2E+03	n					3.1E+01	n		1.4E+00	
				1.0E-04	I				1	0.1		Pentabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-99)	60348-60-9	6.1E+00	n	6.2E+01	n					1.6E+00	n		6.8E-02	
				8.0E-04	I				1	0.1		P														

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

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

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

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

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

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

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

Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) November 2013

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = PPRTV Appendix; H = HEAST; J = New Jersey; O = EPA Office of Water; E = Environmental Criteria and Assessment Office; S = see user guide Section 5; L = see user guide on lead; M = mutagen; V = volatile; F = See FAQ; R = RBA applied (See User Guide for Arsenic notice); c = cancer; * = where: n SL < 100X cSL; ** = where n SL < 10X cSL; n = noncancer; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide); SSL values are based on DAF=1																													
Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Ground Water SSLs		
SFO (mg/kg-day) ⁻¹	k _e (y)	IUR (ug/m ³) ⁻¹	k _e (y)	RfD _a (mg/kg-day)	k _e (y)	RfC _i (mg/m ³)	k _e (y)	o	muta- gen	GIABS	ABS	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m ³)	key	Industrial Air (ug/m ³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)		
	1.9E-07	P	4.5E-06	P	1.0E-02	P	6.0E-01	P	V		1	1.4E+02	Total Petroleum Hydrocarbons (Aliphatic Low)	NA	1.1E+01	c*	5.8E+01	c*	1.3E+01	c*	6.5E+01	c*	2.6E+01	c*		1.8E-01			
											1	6.9E+00	Total Petroleum Hydrocarbons (Aliphatic Medium)	NA	6.1E-01	c	3.1E+00	c	5.4E-01	c	2.7E+00	c	1.1E+00	c*		1.5E-02			
7.3E+00	P				4.0E-02	P					0.1		Total Petroleum Hydrocarbons (Aromatic High)	NA	6.7E-02	c	2.4E-01	c					9.2E-03	c		1.0E-03			
5.5E-02	P	7.8E-06	P		4.0E-03	P	3.0E-02	P	V		1	1.8E+03	Total Petroleum Hydrocarbons (Aromatic Low)	NA	1.1E+00	c*	5.4E+00	c*	3.1E-01	c	1.6E+00	c*	3.9E-01	c*		2.0E-04			
					4.0E-03	P	3.0E-03	P	V		1		Total Petroleum Hydrocarbons (Aromatic Medium)	NA	1.1E+02	n	6.3E+02	n	3.1E+00	n	1.3E+01	n	5.2E+00	n		2.2E-02			
1.1E+00	I	3.2E-04	I								0.1		Toxaphene	8001-35-2	4.4E-01	c	1.6E+00	c	7.6E-03	c	3.8E-02	c	1.3E-02	c	3.0E+00	2.1E-03	4.6E-01		
				7.5E-03	I						0.1		Tralometrin	66841-25-6	4.6E+02	n	4.6E+03	n					1.2E+02	n		4.5E+01			
				3.0E-04	A						0.1		Tri-n-butyltin	688-73-3	1.8E+01	n	1.8E+02	n					2.8E+00	n		6.2E-02			
				8.0E+01	X						0.1		Triacetin	102-76-1	4.9E+06	nm	4.9E+07	nm					1.2E+06	n		3.5E+02			
				1.3E-02	I						0.1		Triallate	2303-17-5	7.9E+02	n	8.0E+03	n					8.7E+01	n		1.9E-01			
				1.0E-02	I						0.1		Triasulfuron	82097-50-5	6.1E+02	n	6.2E+03	n					1.6E+02	n		1.6E-01			
9.0E-03	P				5.0E-03	I					0.1		Tribromobenzene, 1,2,4-	615-54-3	3.1E+02	n	3.1E+03	n					3.3E+01	n		4.7E-02			
					1.0E-02	P					0.1		Tributyl Phosphate	126-73-8	5.4E+01	c*	1.9E+02	c*					4.5E+00	c*		2.2E-02			
					3.0E-04	P					0.1		Tributyltin Compounds	NA	1.8E+01	n	1.8E+02	n					4.7E+00	n					
					3.0E-04	I					0.1		Tributyltin Oxide	56-35-9	1.8E+01	n	1.8E+02	n					4.4E+00	n		2.3E+02			
7.0E-02	I				3.0E+01	I	3.0E+01	H	V		1	9.1E+02	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	4.3E+04	ns	1.8E+05	nms	3.1E+04	n	1.3E+05	n	5.3E+04	n		1.3E+02			
					2.0E-02	I					0.1		Trichloroacetic Acid	76-03-9	6.9E+00	c	2.5E+01	c					9.4E-01	c	6.0E+01	1.9E-04	1.2E-02		
2.9E-02	H										0.1		Trichloroaniline HCl, 2,4,6-	33663-50-2	1.7E+01	c	5.9E+01	c					2.3E+00	c		6.4E-03			
7.0E-03	X				3.0E-05	X					0.1		Trichloroaniline, 2,4,6-	634-93-5	1.8E+00	n	1.8E+01	n					3.0E-01	n		2.7E-03			
					8.0E-04	X					0.1		Trichlorobenzene, 1,2,3-	87-61-6	4.9E+01	n	4.9E+02	n					5.2E+00	n		1.5E-02			
2.9E-02	P				1.0E-02	I	2.0E-03	P	V		1	4.0E+02	Trichlorobenzene, 1,2,4-	120-82-1	2.2E+01	c**	9.9E+01	c**	2.1E+00	n	8.8E+00	n	9.9E-01	c**	7.0E+01	2.9E-03	2.0E-01		
					2.0E+00	I	5.0E+00	I	V		1	6.4E+02	Trichloroethane, 1,1,1-	71-55-6	8.7E+03	ns	3.8E+04	ns	5.2E+03	n	2.2E+04	n	7.5E+03	n	2.0E+02	2.6E+00	7.0E-02		
5.7E-02	I	1.6E-05	I		4.0E-03	I	2.0E-04	X	V		1	2.2E+03	Trichloroethane, 1,1,2-	79-00-5	1.1E+00	c**	5.3E+00	c**	1.5E-01	c**	7.7E-01	c**	2.4E-01	c**	5.0E+00	7.7E-05	1.6E-03		
4.6E-02	I	4.1E-06	I		5.0E-04	I	2.0E-03	I	V	M	1	6.9E+02	Trichloroethylene	79-01-6	9.1E-01	c**	6.4E+00	c**	4.3E-01	c**	3.0E+00	c**	4.4E-01	c**	5.0E+00	1.6E-04	1.8E-03		
					3.0E-01	I	7.0E-01	H	V		1	1.2E+03	Trichlorofluoromethane	75-69-4	7.9E+02	n	3.4E+03	ns	7.3E+02	n	3.1E+03	n	1.1E+03	n		6.9E-01			
					1.0E-01	I					0.1		Trichlorophenol, 2,4,5-	95-95-4	6.1E+03	n	6.2E+04	n					8.9E+02	n		3.3E+00			
1.1E-02	I	3.1E-06	I		1.0E-03	P					0.1		Trichlorophenol, 2,4,6-	88-06-2	4.4E-01	c**	1.6E+02	c**	7.8E-01	c	4.0E+00	c	3.5E+00	c**		1.3E-02			
					1.0E-02	I					0.1		Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	6.1E+02	n	6.2E+03	n					1.2E+02	n		5.2E-02			
					8.0E-03	I					0.1		Trichlorophenoxypropionic acid, -2,4,5	93-72-1	4.9E+02	n	4.9E+03	n					8.4E+01	n	5.0E+01	4.6E-02	2.8E-02		
3.0E+01	I				5.0E-03	I					1	1.3E+03	Trichloropropane, 1,1,2-	598-77-6	3.9E+02	n	5.1E+03	ns					6.8E+01	n		2.7E-02			
					4.0E-03	I	3.0E-04	I	V	M	1	1.4E+03	Trichloropropane, 1,2,3-	96-18-4	5.0E-03	c	9.5E-02	c	3.1E-01	n	1.3E+00	n	6.5E-04	c		2.8E-07			
					3.0E-03	X	3.0E-04	P	V		1	4.5E+02	Trichloropropane, 1,2,3-	96-19-5	7.8E-01	n	3.3E+00	n	3.1E-01	n	1.3E+00	n	6.2E-01	n		3.1E-04			
					2.0E-02	A					0.1		Tricresyl Phosphate (TCP)	1330-78-5	5.6E+03	n	3.1E+04	n					1.2E+02	n		1.1E+01			
					3.0E-03	I					0.1		Triethylene Glycol	58138-08-2	1.8E+02	n	1.8E+03	n					1.3E+01	n		9.3E-02			
					7.0E-03	I	V				1	2.8E+04	Triethylamine	121-44-8	1.2E+02	n	5.2E+02	n	7.3E+00	n	3.1E+01	n	1.5E+01	n		4.4E-03			
7.7E-03	I				7.5E-03	I					0.1		Trifluralin	1582-09-8	6.3E+01	c**	2.2E+02	c*					2.2E+00	c*		7.2E-02			
2.0E-02	P				1.0E-02	P					0.1		Trimethyl Phosphate	512-56-1	2.4E+01	c*	8.6E+01	c*					3.4E+00	c*		7.4E-04			
					5.0E-03	P	V				1	2.9E+02	Trimethylbenzene, 1,2,3-	526-73-8	5.3E+01	n	2.2E+02	n	5.2E+00	n	2.2E+01	n	1.0E+01	n		1.5E-02			
					1.0E-02	X					1	2.2E+02	Trimethylbenzene, 1,2,4-	95-63-6	6.2E+01	n	2.6E+02	ns	7.3E+00	n	3.1E+01	n	1.5E+01	n		2.1E-02			
					3.0E-02	I					0.019		Trimethylbenzene, 1,3,5-	108-67-8	7.8E+02	ns	1.0E+04	ns					8.7E+01	n		1.2E-01			
					3.0E-02	I					1	1.8E+02	Trinitrobenzene, 1,3,5-	99-35-4	2.2E+03	n	2.7E+04	n					4.6E+02	n		1.7E+00			
3.0E-02	I				5.0E-04	I					0.032		Trinitrotoluene, 2,4,6-	118-96-7	1.9E+01	c**	7.9E+01	c**					2.2E+00	c**		1.3E-02			
					2.0E-02	P					0.1		Triphenylphosphine Oxide	791-28-6	1.2E+03	n	1.2E+04	n					2.8E+02	n		1.2E+00			
					2.0E-02	A					0.1		Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	1.2E+03	n	1.2E+04	n					2.8E+02	n		6.2E+00			
2.0E-02	P				1.0E-02	X					0.1		Tris(1-chloro-2-propyl)phosphate	13674-84-5	6.1E+02	n	6.2E+03	n					1.5E+02	n		5.0E-01			
3.2E-03	P				7.0E-03	P					0.1		Tris(2-chloroethyl)phosphate	115-96-8	2.4E+01	c*	8.6E+01	c*					3.3E+00	c*		3.2E-03			
					1.0E-01	P					0.1		Tris(2-ethylhexyl)phosphate	78-42-2	1.5E+02	c*	5.4E+02	c*											