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Regional Screening Levels (RSLs) - Generic Tables

Tables as of: May 2020

Regional Screening Levels (RSLs)

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For assistance/questions please use the [Regional Screening Levels \(RSLs\) contact us](#) page.

The RSL and RML default values are available in the Apple Store and the Google Play Store for use on mobile devices.

The screening level (SL) tables are available for download in Excel and PDF formats. All tables are presented with target cancer risk (TR) of 1E-06, however, tables are presented with target hazard quotients (THQ) of 1.0 and 0.1. Use the tables appropriate for your region. These tables are considered ready for use. The tables contain both SL calculations and the toxicity values that were used. The download tables do not include the ingestion of fish exposure pathway, the outdoor worker and the indoor worker exposure to soil exposure pathway that are presented in the User's Guide. These exposure pathways can be considered on a site-specific basis in the [Calculator](#).

You may need a PDF reader to view some of the files on this page. See EPA's [About PDF](#) page to learn more.

- If you wish to receive notifications when RSLs are updated, use the [Signup Form](#) to learn more.
- For RSL questions please use the [RSL Contact Us](#) page.

- For general risk assessment questions, separate from the RSLs, please use the [General Risk Assessment Contact](#) page.

Screening Levels	(TR=1E-06 THQ=1.0)	(TR=1E-06 THQ=1.0)	(TR=1E-06 THQ=0.1)	(TR=1E-06 THQ=0.1)
Summary Table	PDF	XLS	PDF	XLS
Resident Soil	PDF	XLS	PDF	XLS
Composite Worker Soil	PDF	XLS	PDF	XLS
Resident Air	PDF	XLS	PDF	XLS
Composite Worker Air	PDF	XLS	PDF	XLS
Resident Tapwater	PDF	XLS	PDF	XLS
Resident Soil to Groundwater	PDF	XLS	PDF	XLS
Composite Table (Every Table)	PDF	XLS	PDF	XLS

Other Tables	PDF	XLS
Chemical Specific Parameters	PDF	XLS
Subchronic Toxicity Values	PDF	XLS

Descriptions of annotations and abbreviations used in RSL tables and calculator output

Annotation/Abbreviation	Definition	Links to detailed discussion
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Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; A = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																													
Toxicity and Chemical-specific Information													Contaminant		Screening Levels												Protection of Ground Water SSLs		
SFO (mg/kg-day) ¹	k _e (ug/m ³) ¹	IUR (ug/m ³) ¹	k _e (mg/kg-day)	RfD ₀ (mg/kg-day)	k _e (mg/m ³) ¹	RfC ₁ (mg/m ³) ¹	k _e (mg/m ³) ¹	v _o mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)		
2.2E-06	I		1.2E-03	O		9.0E-03	I	V		1	0.1	1.1E+05	Acephate	30560-19-1	7.6E+01	n	9.8E+02	n					2.4E+01	n		5.3E-03	n		
			2.0E-02	I						1	0.1		Acetaldehyde	75-07-0	1.1E+01	c**	4.9E+01	c**	1.3E+00	c**	5.6E+00	c**	2.6E+00	c**		5.2E-04	c**		
			9.0E-01	I	3.1E+01	A	V			1		1.1E+05	Acetochlor	34256-82-1	1.3E+03	n	1.6E+04	n					3.5E+02	n		2.8E-01	n		
					2.0E-03	X				1	0.1		Acetone	67-64-1	6.1E+04	n	6.7E+05	s	3.2E+04	n	1.4E+05	n	1.4E+04	n		2.9E+00	n		
					6.0E-02	I	V			1		1.3E+05	Acetone Cyanohydrin	75-86-5	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n							
3.8E+00	C	1.3E-03	C							1	0.1	2.5E+03	Acetonitrile	75-05-8	8.1E+02	n	3.4E+03	n	6.3E+01	n	2.6E+02	n	1.3E+02	n		2.6E-02	n		
			1.0E-01	I				V		1			Acetophenone	98-86-2	7.8E+03	ns	1.2E+05	s					1.9E+03	n		5.8E-01	n		
			5.0E-04	I	2.0E-05	I	V			1		2.3E+04	Acetylaminofluorene, 2-Acrolein	53-96-3	1.4E-01	c	6.0E-01	c	2.2E-03	c	9.4E-03	c	1.6E-02	c		7.5E-05	c		
5.0E-01	I	1.0E-04	I		2.0E-03	I		M		1	0.1	1.1E+05	Acrylamide	79-06-1	2.4E-01	c	4.6E+00	c	1.0E-02	c	1.2E-01	c	5.0E-02	c		1.1E-05	c		
			5.0E-01	I	1.0E-03	I	V			1		1.1E+05	Acrylic Acid	79-10-7	9.9E+01	n	4.2E+02	n	1.0E+00	n	4.4E+00	n	2.1E+00	n		4.2E-04	n		
5.4E-01	I	6.8E-05	I	4.0E-02	A	2.0E-03	I	V		1		1.1E+04	Acrylonitrile	107-13-1	2.5E-01	c*	1.1E+00	c*	4.1E-02	c*	1.8E-01	c*	5.2E-02	c*		1.1E-05	c*		
					6.0E-03	P				1	0.1		Adiponitrile	111-69-3	8.5E+06	nm	3.6E+07	nm	6.3E+00	n	2.6E+01	n							
5.6E-02	C		1.0E-02	I						1																			

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEf applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																														
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 ₀ (mg/kg-day)	k _e (y)	RfC ₀ (mg/m ³) ⁻¹	k _e (y)	v _o (l)	mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)		
				3.0E-04	X		V			1		9.0E+02	Bromo-3-fluorobenzene, 1-	1073-06-9	2.3E+01	n	3.5E+02	n					4.9E+00	n	4.7E-03	n				
				3.0E-04	X		V			1		3.2E+02	Bromo-4-fluorobenzene, 1-	460-00-4	2.3E+01	n	3.5E+02	ns					4.6E+00	n	4.4E-03	n				
											0.1		Bromoacetic acid	79-08-3											6.0E+01(G)			1.2E-02		
				8.0E-03	I	6.0E-02	I	V		1		6.8E+02	Bromobenzene	108-86-1	2.9E+02	n	1.8E+03	ns	6.3E+01	n	2.6E+02	n	6.2E+01	n		4.2E-02	n			
						4.0E-02	X	V		1		4.0E+03	Bromochloromethane	74-97-5	1.5E+02	n	6.3E+02	n	4.2E+01	n	1.8E+02	n	8.3E+01	n		2.1E-02	n			
6.2E-02	I	3.7E-05	C	2.0E-02	I		V			1		9.3E+02	Bromodichloromethane	75-27-4	2.9E-01	c	1.3E+00	c	7.6E-02	c	3.3E-01	c	1.3E-01	c	8.0E+01(G)	3.6E-05	c	2.2E-02		
7.9E-03	I	1.1E-06	I	2.0E-02	I		V			1		9.2E+02	Bromoform	75-25-2	1.9E+01	c*	8.6E+01	c	2.6E+00	c	1.1E+01	c	3.3E+00	c	8.0E+01(G)	8.7E-04	c	2.1E-02		
				1.4E-03	I	5.0E-03	I	V		1		3.6E+03	Bromomethane	74-83-9	6.8E+00	n	3.0E+01	n	5.2E+00	n	2.2E+01	n	7.5E+00	n		1.9E-03	n			
				5.0E-03	H		V			1			Bromophos	2104-96-3	3.9E+02	n	5.8E+03	n					3.5E+01	n		1.5E-01	n			
						1.0E-01	A	V		1		9.7E+02	Bromopropane, 1-	106-94-5	2.2E+02	n	9.4E+02	n	1.0E+02	n	4.4E+02	n	2.1E+02	n		6.4E-02	n			
1.0E-01	O			1.5E-02	O		V			1		0.1	Bromoxynil	1689-84-5	5.3E+00	c	2.2E+01	c					6.1E-01	c		5.2E-04	c			
1.0E-01	O			1.5E-02	O		V			1			Bromoxynil Octanoate	1689-99-2	6.7E+00	c	3.2E+01	c					2.4E-01	c		2.1E-03	c			
6.0E-01	C	3.0E-05	I			2.0E-03	I	V		1		6.7E+02	Butadiene, 1,3-	106-99-0	7.6E-02	c*	3.3E-01	c*	9.4E-02	c*	4.1E-01	c*	7.							

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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 ₀ (mg/kg-day)	k _e y	RfC ₀ (mg/m ³)	k _e y	mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)
				1.0E-03	A				1	0.1		Chlorpyrifos	2921-88-2	6.3E+01	n	8.2E+02	n					8.4E+00	n		1.2E-01	n	
				1.0E-02	H				1	0.1		Chlorpyrifos Methyl	5598-13-0	6.3E+02	n	8.2E+03	n					1.2E+02	n		5.4E-01	n	
				5.0E-02	O				1	0.1		Chlorisulfuron	64902-72-3	3.2E+03	n	4.1E+04	n					9.9E+02	n		8.3E-01	n	
				1.0E-02	I				1	0.1		Chlorthal-dimethyl	1861-32-1	6.3E+02	n	8.2E+03	n					1.2E+02	n		1.5E-01	n	
				8.0E-04	H				1	0.1		Chlorthiophos	60238-56-4	5.1E+01	n	6.6E+02	n					2.8E+00	n		7.3E-02	n	
				1.5E+00	I				0.013			Chromium(III), Insoluble Salts	16065-83-1	1.2E+05	nm	1.8E+06	nm					2.2E+04	n		4.0E+07	n	
5.0E-01	C	8.4E-02	G	3.0E-03	I	1.0E-04	I	M	0.025			Chromium(VI)	18540-29-9	3.0E-01	c	6.3E+00	c	1.2E-05	c	1.5E-04	c	3.5E-02	c	1.0E+02	6.7E-04	c	1.8E+05
				1.3E-02	I				0.013	0.1		Chromium, Total	7440-47-3														
				3.0E-04	P	6.0E-06	P		1			Clofentazine	74115-24-5	8.2E+02	n	1.1E+04	n					2.3E+02	n		1.4E+01	n	
	9.0E-03	P		3.0E-04	P				1			Cobalt	7440-48-4	2.3E+01	n	3.5E+02	n	3.1E-04	c*	1.4E-03	c*	6.0E+00	n		2.7E-01	n	
	6.2E-04	I						V	1			Coke Oven Emissions	8007-45-2					1.6E-03	c	2.0E-02	c						
				4.0E-02	H				1			Copper	7440-50-8	3.1E+03	n	4.7E+04	n					8.0E+02	n	1.3E+03	2.8E+01	n	4.6E+01
				5.0E-02	I	6.0E-01	C		1	0.1		Cresol, m-	108-39-4	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n		7.4E-01	n	
				5.0E-02	I	6.0E-01	C		1	0.1		Cresol, o-	95-48-7	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n		7.5E-01	n	

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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)	X	RfC _i (mg/m ³)	k _e y	o y	mutagen	GIABS	ABS _o	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)	key	MCL-based SSL (mg/kg)	
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	4.6E-01	c*	2.0E+00	c*	1.1E-01	c*	4.7E-01	c*	1.7E-01	c*	5.0E+00	4.8E-05	c*	1.4E-03	
				5.0E-02	I	2.0E-01	I	V		1		1.2E+03	Dichloroethylene, 1,1-	75-35-4	2.3E+02	n	1.0E+03	n	2.1E+02	n	8.8E+02	n	2.8E+02	n	7.0E+00	1.0E-01	n	2.5E-03	
				2.0E-03	I					1		2.4E+03	Dichloroethylene, 1,2-cis-	156-59-2	1.6E+02	n	2.3E+03	n					3.6E+01	n	7.0E+01	1.1E-02	n	2.1E-02	
				2.0E-02	I			V		1		1.9E+03	Dichloroethylene, 1,2-trans-	156-60-5	1.6E+03	n	2.3E+04	ns					3.6E+02	n	1.0E+02	1.1E-01	n	3.1E-02	
				3.0E-03	I					1	0.1		Dichlorophenol, 2,4-	120-83-2	1.9E+02	n	2.5E+03	n					4.6E+01	n		2.3E-02	n		
				1.0E-02	I					1	0.05		Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	7.0E+02	n	9.6E+03	n					1.7E+02	n	7.0E+01	4.5E-02	n	1.8E-02	
3.7E-02	P	3.7E-06	P	4.0E-02	P	4.0E-03	I	V		1		1.4E+03	Dichloropropane, 1,2-	78-87-5	2.5E+00	c**	1.1E+01	c**	7.6E-01	c**	3.3E+00	c**	8.5E-01	c**	5.0E+00	2.8E-04	c**	1.7E-03	
				2.0E-02	P			V		1		1.5E+03	Dichloropropane, 1,3-	142-28-9	1.6E+03	ns	2.3E+04	ns					3.7E+02	n		1.3E-01	n		
				3.0E-03	I					1	0.1		Dichloropropanol, 2,3-	616-23-9	1.9E+02	n	2.5E+03	n					5.9E+01	n		1.3E-02	n		
1.0E-01	I	4.0E-06	I	3.0E-02	I	2.0E-02	I	V		1		1.6E+03	Dichloropropene, 1,3-	542-75-6	1.8E+00	c*	8.2E+00	c*	7.0E-01	c*	3.1E+00	c*	4.7E-01	c*		1.7E-04	c*		
2.9E-01	I	8.3E-05	C	5.0E-04	I	5.0E-04	I			1	0.1		Dichlorvos	62-73-7	1.9E+00	c*	7.9E+00	c*	3.4E-02	c*	1.5E-01	c*	2.6E-01	c*		8.1E-05	c*		
				3.0E-05	O					1	0.1		Dicrotophos	141-66-2	1.9E+00	n	2.5E+01	n					6.0E-01	n		1.4E-04	n		
1.6E+01	I	4.6E-03	I	5.0E-05	I					1	0.1	2.6E+02	Dicyclopentadiene	77-73-6	1.3E+00	n	5.4E+00	n	3.1E-01	n	1.3E+00	n	6.3E-01	n		2.2E-03	n		
		3.0E-04	C			5.0E-03	I			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 ₀ (mg/kg-day)	k _e y	RfC ₁ (mg/m ³) ⁻¹	k _e y	v _o l	mutagen	GIABS	ABS ₂	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)	key	MCL-based SSL (mg/kg)
				6.0E-03	P					1	0.1		Endosulfan Sulfate	1031-07-8	3.8E+02	n	4.9E+03	n					1.1E+02	n		2.1E+00	n	
				2.0E-02	I					1	0.1		Endothall	145-73-3	1.3E+03	n	1.6E+04	n					3.8E+02	n	1.0E+02	9.1E-02	n	2.4E-02
				3.0E-04	I					1	0.1		Endrin	72-20-8	1.9E+01	n	2.5E+02	n					2.3E+00	n	2.0E+00	9.2E-02	n	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	1.9E+01	n	8.2E+01	n	1.0E+00	n	4.4E+00	n	2.0E+00	n		4.5E-04	n	
						2.0E-02	I	V		1		1.5E+04	Epoxybutane, 1,2-	106-88-7	1.6E+02	n	6.7E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		9.2E-03	n	
				4.0E-02	P					1	0.1		Ethanol, 2-(2-methoxyethoxy)-	111-77-3	2.5E+03	n	3.3E+04	n					8.0E+02	n		1.6E-01	n	
				5.0E-03	I					1	0.1		Ethephon	16672-87-0	3.2E+02	n	4.1E+03	n					1.0E+02	n		2.1E-02	n	
				5.0E-04	I					1	0.1		Ethion	563-12-2	3.2E+01	n	4.1E+02	n					4.3E+00	n		8.5E-03	n	
				1.0E-01	P	6.0E-02	P	V		1		2.4E+04	Ethoxyethanol Acetate, 2-	111-15-9	2.6E+03	n	1.4E+04	n	6.3E+01	n	2.6E+02	n	1.2E+02	n		2.5E-02	n	
				9.0E-02	P	2.0E-01	I	V		1		1.1E+05	Ethoxyethanol, 2-	110-80-5	5.2E+03	n	4.7E+04	n	2.1E+02	n	8.8E+02	n	3.4E+02	n		6.8E-02	n	
				9.0E-01	I	7.0E-02	P	V		1		1.1E+04	Ethyl Acetate	141-78-6	6.2E+02	n	2.6E+03	n	7.3E+01	n	3.1E+02	n	1.4E+02	n		3.1E-02	n	
				5.0E-03	P	8.0E-03	P	V		1		2.5E+03	Ethyl Acrylate	140-88-5	4.7E+01	n	2.1E+02	n	8.3E+00	n	3.5E+01	n	1.4E+01	n		3.2E-03	n	
						1.0E+01	I	V		1		2.1E+03	Ethyl Chloride (Chloroethane)	75-00-3	1.4E+04	ns	5.7E+04	ns	1.0E+04	n	4.4E+04	n	2.1E+04	n		5.9E+00	n	
				2.0E-01	I					1		1.0E+04	Ethyl Ether	60-29-7	1.6E+04	ns	2.3E+05	s					3.9E+03	n		8.8E-01	n	
						3.0E-01	P	V		1		1.1E+03	Ethyl Methacrylate	97-63-2	1.8E+03	ns	7.6E+03	ns	3.1E+02	n	1.3E+03	n	6.3E+02	n		1.5E-01	n	
1.1E-02	C	2.5E-06	C	1.0E-05	I					1	0.1		Ethyl-p-nitrophenyl Phosphonate	2104-64-5	6.3E-01	n	8.2E+00	n					8.9E-02	n		2.8E-03	n	
				1.0E-01	I	1.0E+00	I	V		1		4.8E+02	Ethylbenzene	100-41-4	5.8E+00	c	2.5E+01	c	1.1E+00	c	4.9E+00	c	1.5E+00	c	7.0E+02	1.7E-03	c	7.8E-01
				7.0E-02	P					1	0.1		Ethylene Cyanohydrin	109-78-4	4.4E+03	n	5.7E+04	n					1.4E+03	n		2.8E-01	n	
				9.0E-02	P			V		1		1.9E+05	Ethylene Diamine	107-15-3	7.0E+03	n	1.1E+05	nm					1.8E+03	n		4.1E-01	n	
				2.0E+00	I	4.0E-01	C			1	0.1		Ethylene Glycol	107-21-1	1.3E+05	nm	1.6E+06	nm	4.2E+02	n	1.8E+03	n	4.0E+04	n		8.1E+00	n	
				1.0E-01	I	1.6E+00	I			1	0.1		Ethylene Glycol Monobutyl Ether	111-76-2	6.3E+03	n	8.2E+04	n	1.7E+03	n	7.0E+03	n	2.0E+03	n		4.1E-01	n	
3.1E-01	C	3.0E-03	I			3.0E-02	C	V	M	1		1.2E+05	Ethylene Oxide	75-21-8	2.0E-03	c	2.5E-02	c	3.4E-04	c	4.1E-03	c	6.7E-04	c		1.4E-07	c	
4.5E-02	C	1.3E-05	C	8.0E-05	I					1	0.1		Ethylene Thiourea	96-45-7	5.1E+00	n	5.1E+01	c**	2.2E-01	c	9.4E-01	c	1.6E+00	n		3.6E-04	n	
6.5E+01	C	1.9E-02	C							1		1.5E+05	Ethyleneimine	151-56-4	2.7E-03	c	1.2E-02	c	1.5E-04	c	6.5E-04	c	2.4E-04	c		5.2E-08	c	
				3.0E+00	I					1	0.1		Ethylphthalyl Ethyl Glycolate	84-72-0	1.9E+05	nm	2.5E+06	nm					5.8E+04	n		1.3E+02	n	
				2.5E-04	I					1	0.1		Fenamiphos	22224-92-6	1.6E+01	n	2.1E+02	n					4.4E+00	n		4.3E-03	n	
				2.5E-02	I					1	0.1		Fenpropathrin	39515-41-8	1.6E+03	n	2.1E+04	n					6.4E+01	n		2.9E+00	n	
				2.5E-02	I					1	0.1		Fenvalerate	51630-58-1	1.6E+03	n	2.1E+04	n					5.0E+02	n		3.2E+02	n	
				1.3E-02	I					1	0.1		Fluometuron	2164-17-2	8.2E+02	n	1.1E+04	n					2.4E+02	n		1.9E-01	n	
				4.0E-02	C	1.3E-02	C			1			Fluoride	16984-48-8	3.1E+03	n	4.7E+04	n	1.4E+01	n	5.7E+01	n	8.0E+02	n	4.0E+03	1.2E+02	n	6.0E+02
				6.0E-02	I	1.3E-02	C			1			Fluorine (Soluble Fluoride)	7782-41-4	4.7E+03	n	7.0E+04	n	1.4E+01	n	5.7E+01	n	1.2E+03	n	4.0E+03	1.8E+02	n	6.0E+02
				8.0E-02	I					1	0.1		Fluridone	59756-60-4	5.1E+03	n	6.6E+04	n					1.4E+03	n		1.6E+02	n	
				4.0E-02	O					1	0.1		Flurprimidol	56425-91-3	2.5E+03	n	3.3E+04	n					6.9E+02	n		3.1E+00	n	
				2.0E-03	O					1	0.1		Flusilazole	85509-19-9	1.3E+02	n	1.6E+03	n					3.1E+01	n		5.1E+00	n	
				5.0E-01	O					1	0.1		Flutolanil	66332-96-5	3.2E+04	n	4.1E+05	nm					7.9E+03	n		4.2E+01	n	
				1.0E-02	I					1	0.1		Fluvalinate	69409-94-5	6.3E+02	n	8.2E+03	n					2.0E+02	n		2.9E+02	n	
				9.0E-02	O					1	0.1		Folpet	133-07-3	5.7E+03	n	7.4E+04	n					1.6E+03	n		3.9E-01	n	
				2.5E-03	O					1	0.1		Fomesafen	72178-02-0	1.6E+02	n	2.1E+03	n					4.8E+01	n		1.6E-01	n	
				2.0E-03	I					1	0.1		Fonofos	944-22-9	1.3E+02	n	1.6E+03	n					2.4E+01	n		4.7E-02	n	
2.1E-02	C	1.3E-05	I	2.0E-01	I	9.8E-03	A	V		1		4.2E+04	Formaldehyde	50-00-0	1.1E+01	c*	5.0E+01	c*	2.2E-01	c*	9.4E-01	c*	3.9E-01	c*		7.8E-05	c*	
				9.0E-01	P	3.0E-04	X	V		1		1.1E+05	Formic Acid	64-18-6	2.9E+01	n	1.2E+02	n	3.1E-01	n	1.3E+00	n	6.3E-01	n		1.3E-04	n	
				2.5E+00	O					1	0.1		Fosetyl-AL	39148-24-8	1.6E+05	nm	2.1E+06	nm					5.0E+04	n		6.6E+02	n	
				1.0E-03	X			V		1	0.03		Furans	132-64-9	7.3E+01	n	1.0E+03	n					7.9E+00	n		1.5E-01	n	
				1.0E-03	I			V		1	0.03	6.2E+03	~Dibenzofuran	110-00-9	7.3E+01	n	1.0E+03	n					1.9E+01	n		7.3E-03	n	
3.8E+00	H			9.0E-01	I	2.0E+00	I	V		1	0.03	1.7E+05	~Furan	109-99-9	1.8E+04	n	9.4E+04	n	2.1E+03	n	8.8E+03	n	3.4E+03	n		7.5E-01	n	
				3.0E-03	I	5.0E-02	H	V		1		1.0E+04	~Tetrahydrofuran	67-45-8	1.4E-01	c	6.0E-01	c					2.0E-02	c		3.9E-05	c	

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 (mg/m ³)	k _e y	v _o l	mutagen	GIABS	ABS _d	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)	key	MCL-based SSL (mg/kg)	key								
				4.0E-04	P					1	0.1		Hexamethylphosphoramide	680-31-9	2.5E+01	n	3.3E+02	n					8.0E+00	n		1.8E-03	n										
				7.0E-01	I	V				1		1.4E+02	Hexane, N- Hexanedioic Acid	110-54-3 124-04-9	6.1E+02 1.3E+05	ns nm	2.5E+03 1.6E+06	ns nm	7.3E+02	n	3.1E+03	n	1.5E+03	n		1.0E+01	n										
9.5E-03	P			2.0E+00	P					1	0.1		Hexanol, 1,2-ethyl- (2-Ethyl-1-hexanol)	104-76-7	2.3E+01	n	9.7E+01	n	4.2E-01	n	1.8E+00	n	8.3E-01	n		3.4E-04	n										
				5.0E-03	I	3.0E-02	I	V		1		3.3E+03	Hexanone, 2- Hexazinone	591-78-6 51235-04-2	2.0E+02 2.1E+03	n	1.3E+03 2.7E+04	n	3.1E+01	n	1.3E+02	n	3.8E+01	n		8.8E-03	n										
				3.3E-02	I					1	0.1		Hexythiazox	78587-05-0	1.6E+03	n	2.1E+04	n					1.1E+02	n		5.0E-01	n										
3.0E+00	I	4.9E-03	I	1.7E-02	O					1	0.1	1.1E+05	Hydramethylnon Hydrazine	67485-29-4 302-01-2	1.1E+03 3.2E-02	n c*	1.4E+04 1.4E-01	n c*	5.7E-04	c*	2.5E-03	c*	1.1E-03	c*		1.2E+05	n										
3.0E+00	I	4.9E-03	I							1			Hydrazine Sulfate	10034-93-2	2.3E-01	c	1.1E+00	c	5.7E-04	c	2.5E-03	c	2.6E-02	c													
				2.0E-02	I	V				1			Hydrogen Chloride	7647-01-0	2.8E+07	nm	1.2E+08	nm	2.1E+01	n	8.8E+01	n	4.2E+01	n													
				4.0E-02	C	1.4E-02	C	V		1			Hydrogen Fluoride	7664-39-3	3.1E+03	n	4.7E+04	n	1.5E+01	n	6.1E+01	n	2.8E+01	n													
6.0E-02	P			4.0E-02	P					1	0.1		Hydrogen Sulfide	7783-06-4	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n	4.2E+00	n													
6.1E-02	O			2.5E-03	O					1	0.1		Hydroquinone	123-31-9	9.0E+00	c	3.8E+01	c					1.3E+00	c		8.7E-04	c										
				2.5E-01	I					1	0.1		Imazalil	35554-44-0	8.9E+00	c*	3.8E+01	c*					9.0E-01	c*		1.5E-02	c*										
				2.5E+00	O					1	0.1		Imazaquin	81335-37-7	1.6E+04	n	2.1E+05	nm					4.9E+03	n		2.4E+01	n										
				1.0E-02	A					1			Imazethapyr	81335-77-5	1.6E+05	nm	2.1E+06	nm					4.7E+04	n		4.1E+01	n										
				4.0E-02	I					1	0.1		Iodine	7553-56-2	7.8E+02	n	1.2E+04	n					2.0E+02	n		1.2E+01	n										
				7.0E-01	P					1			Iprodione	36734-19-7	2.5E+03	n	3.3E+04	n					7.4E+02	n		2.2E-01	n										
				3.0E-01	I			V		1		1.0E+04	Iron	7439-89-6	5.5E+04	n	8.2E+05	nm					1.4E+04	n		3.5E+02	n										
9.5E-04	I			2.0E-01	I	2.0E+00	C			1	0.1		Isobutyl Alcohol	78-83-1	2.3E+04	ns	3.5E+05	s					5.9E+03	n		1.2E+00	n										
				1.5E-02	I			V		1			Isophorone	78-59-1	5.7E+02	c*	2.4E+03	c*	2.1E+03	n	8.8E+03	n	7.8E+01	c*		2.6E-02	c*										
				2.0E+00	P	2.0E-01	P	V		1		1.1E+05	Isopropalin	33820-53-0	1.2E+03	n	1.8E+04	n					4.0E+01	n		9.2E-01	n										
				1.0E-01	I					1	0.1		Isopropanol	67-63-0	5.6E+03	n	2.4E+04	n	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.4E-02	n										
				5.0E-02	I					1	0.1		Isopropyl Methyl Phosphonic Acid Isoxaben	1832-54-8 82558-50-7	6.3E+03 3.2E+03	n	8.2E+04 4.1E+04	n					2.0E+03 7.3E+02	n		4.3E-01 2.0E+00	n										
				3.0E-01	A	V				1			JP-7	E1737665	4.3E+08	nm	1.8E+09	nm	3.1E+02	n	1.3E+03	n	6.3E+02	n													
				8.0E-03	O					1	0.1		Lactofen	77501-63-4	5.1E+02	n	6.6E+03	n					1.0E+02	n		4.6E+00	n										
				2.0E-04	X					1	0.1		Lactonitrile	78-97-7	1.3E+01	n	1.6E+02	n					4.0E+00	n		8.1E-04	n										
				5.0E-05	P					1			Lanthanum	7439-91-0	3.9E+00	n	5.8E+01	n					1.0E+00	n													
				2.1E-05	P					1	0.1		Lanthanum Acetate Hydrate	100587-90-4	1.3E+00	n	1.7E+01	n					4.2E-01	n													
				1.9E-05	P					1			Lanthanum Chloride Heptahydrate	10025-84-0	1.5E+00	n	2.2E+01	n					3.7E-01	n													
				2.8E-05	P					1			Lanthanum Chloride, Anhydrous	10099-58-8	2.2E+00	n	3.3E+01	n					5.7E-01	n													
				1.6E-05	P					1			Lanthanum Nitrate Hexahydrate	10277-43-7	1.3E+00	n	1.9E+01	n					3.2E-01	n													
8.5E-03	C	1.2E-05	C							1			Lead Compounds	~Lead Phosphate	7446-27-7	8.2E+01	c	3.8E+02	c	2.3E-01	c	1.0E+00	c	9.1E+00	c												
8.5E-03	C	1.2E-05	C							1	0.1		~Lead acetate	301-04-2	6.4E+01	c	2.7E+02	c	2.3E-01	c	1.0E+00	c	9.2E+00	c		1.8E-03	c										
8.5E-03	C	1.2E-05	C							1	0.1		~Lead and Compounds	7439-92-1	4.0E+02	G	8.0E+02	G	1.5E-01	G			1.5E+01	G	1.5E+01			1.4E+01									
										1	0.1		~Lead subacetate	1335-32-6	6.4E+01	c	2.7E+02	c	2.3E-01	c	1.0E+00	c	9.2E+00	c		2.0E-03	c										
				1.0E-07	I			V		1		2.4E+00	~Tetraethyl Lead	78-00-2	7.8E-03	n	1.2E-01	n					1.3E-03	n		4.7E-06	n										
				5.0E-06	P			V		1		3.8E+02	Lewisite	541-25-3	3.9E-01	n	5.8E+00	n					9.0E-02	n		3.8E-05	n										
				7.7E-03	O					1	0.1		Linuron	330-55-2	4.9E+02	n	6.3E+03	n					1.3E+02	n		1.1E-01	n										
				2.0E-03	P					1			Lithium	7439-93-2	1.6E+02	n	2.3E+03	n					4.0E+01	n		1.2E+01	n										
				5.0E-04	I					1	0.1		MCPA	94-74-6	3.2E+01	n	4.1E+02	n					7.5E+00	n		2.0E-03	n										
				4.4E-03	O					1	0.1		MCPB	94-81-5	2.8E+02	n	3.6E+03	n					6.5E+01	n		2.6E-02	n										
				1.0E-03	I					1	0.1		MCPP	93-65-2	6.3E+01	n	8.2E+02	n					1.6E+01	n		4.7E-03	n										
				2.0E-02	I					1	0.1		Malathion	121-75-5	1.3E+03	n	1.6E+04	n					3.9E+02	n		1.0E-01	n										
				1.0E-01	I	7.0E-04	C																														

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.

Toxicity and Chemical-specific Information										Contaminant		Screening Levels										Protection of Ground Water SSLs					
SFO (mg/kg-day)	k _e (ug/m ³ -day)	IUR (ug/m ³ -day)	k _e (mg/kg-day)	RfD ₀ (mg/kg-day)	k _e (mg/m ³ -day)	RfC (mg/m ³ -day)	k _e (mg/m ³ -day)	mutagen	GIABS	ABS ₀	C _{sat} (mg/kg)	Analyte	CAS No.	Resident Soil (ug/m ³)	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)	key	MCL-based SSL (mg/kg)
				6.0E-01	2.0E-02	P V			1		6.8E+03	Methyl Acrylate	96-33-3	1.5E+02	n	6.1E+02	n	2.1E+01	n	8.8E+01	n	4.2E+01	n		8.9E-03	n	
				1.0E-03	1.0E-03	P	2.0E-05	X V	1		2.8E+04	Methyl Ethyl Ketone (2-Butanone)	78-93-3	2.7E+04	n	1.9E+05	s	5.2E+03	n	2.2E+04	n	5.6E+03	n		1.2E+00	n	
					3.0E+00	X V			1		1.8E+05	Methyl Hydrazine	60-34-4	1.4E-01	c**	6.2E-01	c**	2.8E-03	c**	1.2E-02	c**	5.6E-03	c**		1.3E-06	c**	
					1.0E-03	C V			1		3.4E+03	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	3.3E+04	ns	1.4E+05	s	3.1E+03	n	1.3E+04	n	6.3E+03	n		1.4E+00	n	
					1.0E-03	C V			1		1.0E+04	Methyl Isocyanate	242-83-9	4.6E+00	n	1.9E+01	n	1.0E+00	n	4.4E+00	n	2.1E+00	n		5.9E-04	n	
				1.4E+00	7.0E-01	I V			1		2.4E+03	Methyl Methacrylate	80-62-6	4.4E+03	ns	1.9E+04	ns	7.3E+02	n	3.1E+03	n	1.4E+03	n		3.0E-01	n	
				2.5E-04					1	0.1		Methyl Parathion	298-00-0	1.6E+01	n	2.1E+02	n					4.5E+00	n		7.4E-03	n	
				6.0E-02	X				1	0.1		Methyl Phosphonic Acid	993-13-5	3.8E+03	n	4.9E+04	n					1.2E+03	n		2.4E-01	n	
				6.0E-03	H	4.0E-02	H V		1		3.9E+02	Methyl Styrene (Mixed Isomers)	25013-15-4	3.2E+02	n	2.6E+03	ns	4.2E+01	n	1.8E+02	n	2.3E+01	n		3.8E-02	n	
9.9E-02	C	2.8E-05	C							1	0.1	Methyl methanesulfonate	66-27-3	5.5E+00	c	2.3E+01	c	1.0E-01	c	4.4E-01	c	7.9E-01	c		1.6E-04	c	
1.8E-03	C	2.6E-07	C		3.0E+00	I V			1		8.9E+03	Methyl tert-Butyl Ether (MTBE)	1634-04-4	4.7E+01	c	2.1E+02	c	1.1E+01	c	4.7E+01	c	1.4E+01	c		3.2E-03	c	
				3.0E-04	X				1	0.1		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	1.9E+01	n	2.5E+02	n					6.0E+00	n		3.6E-03	n	
9.0E-03	P			2.0E-02	X				1	0.1	2.5E+03	Methyl-2-Pentanol, 4-	108-11-2	5.4E+04	ns	2.3E+05	s	3.1E+03	n	1.3E+04	n	6.3E+03	n		1.4E+00	n	
8.3E+00	C	2.4E-03	C						1	0.1		Methyl-5-Nitroaniline, 2-	99-55-8	6.0E+01	c*	2.6E+02	c*					8.2E+00	c*		4.6E-03	c*	
1.3E-01	C	3.7E-05	C						1	0.1		Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	6.5E-02	c	1.8E+01	c	1.2E-03	c	5.1E-03	c	9.4E-03	c		3.2E-06	c	
				1.0E-02	A				1	0.1		Methylaniline Hydrochloride, 2-	636-21-5	4.2E+00	c	1.8E+01	c	7.6E-02	c	3.3E-01	c	6.0E-01	c		2.6E-04	c	
				2.0E-04	X				1	0.1		Methylarsonic acid	124-58-3	6.3E+02	n	8.2E+03	n					2.0E+02	n		5.8E-02	n	
				3.0E-04	X				1	0.1		Methylbenzene, 1,4-diamine monohydrochloride, 2-	74612-12-7	1.3E+01	n	1.6E+02	n					4.0E+00	n				
1.0E-01	X								1	0.1		Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	5.4E+00	c**	2.3E+01	c*					7.8E-01	c**				
2.2E+01	C	6.3E-03	C					M	1	0.1		Methylcholanthrene, 3-	56-49-5	5.5E+03	c	1.0E-01	c	1.6E-04	c	1.9E-03	c	1.1E-03	c		2.2E-03	c	
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	5.7E+01	c**	1.0E+03	c**	1.0E+02	c**	1.2E+03	c**	1.1E+01	c**	5.0E+00	2.9E-03	c**	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	2.3E+01	c*	2.4E-03	c	2.9E-02	c	1.6E-01	c		1.8E-03	c	
4.6E-02	I	1.3E-05	C						1	0.1		Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.2E+01	c	5.0E+01	c	2.2E-01	c	9.4E-01	c	7.0E-01	c		3.9E-03	c	
1.6E+00	C	4.6E-04	C		2.0E-02	C			1	0.1		Methylenedianiline, 4,4'-	101-77-9	3.4E-01	c	1.4E+00	c	6.1E-03	c	2.7E-02	c	4.7E-02	c		2.1E-04	c	
				7.0E-02	H			V	1	0.1	5.0E+02	Methylenediphenyl Diisocyanate	101-68-8	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n				1.2E+00	n	
				1.5E-01	I				1	0.1		Methylstyrene, Alpha-	98-93-9	5.5E+03	ns	8.2E+04	ns					7.8E+02	n		3.2E+00	n	
				2.5E-02	I				1	0.1		Metolachlor	51218-45-2	9.5E+03	n	1.2E+05	nm					2.7E+03	n		1.5E-01	n	
				2.5E-01	I				1	0.1		Metribuzin	21087-64-9	1.6E+03	n	2.1E+04	n					4.9E+02	n		1.9E+00	n	
				3.0E+00	P			V	1		3.4E-01	Metsulfuron-methyl	74223-64-6	1.6E+04	n	2.1E+05	nm					4.9E+03	n		2.4E+03	n	
1.8E+01	C	5.1E-03	C	2.0E-04	I			V	1			Mineral oils	8012-95-1	2.3E+05	s	3.5E+06	s					6.0E+04	n		2.4E+03	n	
				2.0E-03	I				1	0.1		Mirex	2385-85-5	3.6E-02	c	1.7E-01	c	5.5E-04	c	2.4E-03	c	8.8E-04	c		6.3E-04	c	
				5.0E-03	I				1			Molinate	2212-67-1	1.3E+02	n	1.6E+03	n					3.0E+01	n		1.7E-02	n	
				1.0E-01	I				1			Molybdenum	7439-98-7	3.9E+02	n	5.8E+03	n					1.0E+02	n		2.0E+00	n	
				2.0E-03	P				1			Monochloramine	10599-90-3	7.8E+03	n	1.2E+05	nm					2.0E+03	n	4.0E+03(G)	1.4E-02	n	
				2.5E-02	I				1	0.1		Monomethylamine	100-61-8	1.3E+02	n	1.6E+03	n					3.8E+01	n		5.6E+00	n	
				3.0E-04	X				1	0.1		Myclobutanil	88671-89-0	1.6E+03	n	2.1E+04	n					4.5E+02	n		3.7E-01	n	
				2.0E-03	I			V	1			N,N'-Diphenyl-1,4-benzenediamine	74-31-7	1.9E+01	n	2.5E+02	n					3.6E+00	n		1.8E-02	n	
				3.0E-02	X	1.0E-01	P V		1			Naled	300-76-5	1.6E+02	n	2.3E+03	n					4.0E+01	n				
				1.6E+00	C	0.0E+00	C		1	0.1		Naphtha, High Flash Aromatic (HFAN)	64742-95-6	2.3E+03	n	3.5E+04	n	1.0E+02	n	4.4E+02	n	1.5E+02	n				
				1.2E-01	O				1	0.1		Naphthylamine, 2-	91-59-8	3.0E-01	c	1.3E+00	c					3.9E-02	c		2.0E-04	c	
				2.6E-04	C	1.1E-02	C	1.4E-05	C	1	0.1	Napropamide	15299-99-7	7.6E+03	n	9.8E+04	n					2.0E+03	n		1.3E+01	n	
				2.6E-04	C	1.1E-02	C																				

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.

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 ₀ (mg/kg-day)	k _e y	RfC (mg/m ³)	k _e y	mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)
2.2E-01	P			1.0E-04	X				1	0.1	1.5E+03	Nitrotoluene, m-	99-08-1	6.3E+00	n	8.2E+01	n					1.7E+00	n		1.6E-03	n	
1.6E-02	P			9.0E-04	P			V	1			Nitrotoluene, o-	88-72-2	3.2E+00	c*	1.5E+01	c*					3.1E-01	c*		3.0E-04	c*	
				4.0E-03	P				1	0.1		Nitrotoluene, p-	99-99-0	3.4E+01	c**	1.4E+02	c*					4.3E+00	c*		4.0E-03	c*	
				3.0E-04	X	2.0E-02	P	V	1		6.9E+00	Nonane, n-	111-84-2	1.1E+01	ns	7.2E+01	ns	2.1E+01	n	8.8E+01	n	5.3E+00	n		7.5E-02	n	
				1.5E-02	O				1	0.1		Norflurazon	27314-13-2	9.5E+02	n	1.2E+04	n					2.9E+02	n		1.9E+00	n	
				3.0E-03	I				1	0.1		Octabromodiphenyl Ether	32536-52-0	1.9E+02	n	2.5E+03	n					6.0E+01	n		1.2E+01	n	
				5.0E-02	I				1	0.006		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	3.9E+03	n	5.7E+04	n					1.0E+03	n		1.3E+00	n	
7.8E-03	O			2.0E-03	H				1	0.1		Octamethylpyrophosphoramide	152-16-9	1.3E+02	n	1.6E+03	n					4.0E+01	n		9.6E-03	n	
				1.4E-01	O				1	0.1		Oryzalin	19044-88-3	7.0E+01	c	2.9E+02	c					7.9E+00	c		1.5E-02	c	
				5.0E-03	I				1	0.1		Oxadiazon	19666-30-9	3.2E+02	n	4.1E+03	n					4.7E+01	n		4.8E-01	n	
				2.5E-02	I				1	0.1		Oxamyl	23135-22-0	1.6E+03	n	2.1E+04	n					5.0E+02	n	2.0E+02	1.1E-01	n	4.4E-02
7.3E-02	O			3.0E-02	O				1	0.1		Oxyfluorfen	42874-03-3	7.4E+00	c	3.1E+01	c					5.4E-01	c		4.3E-02	c	
				1.3E-02	I				1	0.1		Paclobutrazol	76738-62-0	8.2E+02	n	1.1E+04	n					2.3E+02	n		4.6E-01	n	
				4.5E-03	I				1	0.1		Paraquat Dichloride	1910-42-5	2.8E+02	n	3.7E+03	n					9.0E+01	n		1.2E+00	n	
				6.0E-03	H				1	0.1		Parathion	56-38-2	3.8E+02	n	4.9E+03	n					8.6E+01	n		4.3E-01	n	
				5.0E-02	H			V	1			Pebulate	1114-71-2	3.9E+03	n	5.8E+04	n					5.6E+02	n		4.5E-01	n	
				3.0E-01	O				1	0.1		Pendimethalin	40487-42-1	1.9E+04	n	2.5E+05	nm					1.4E+03	n		1.6E+01	n	
				2.0E-03	I			V	1		3.1E-01	Pentabromodiphenyl Ether	32534-81-9	1.6E+02	ns	2.3E+03	ns					4.0E+01	n		1.7E+00	n	
				1.0E-04	I				1	0.1		Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	6.3E+00	n	8.2E+01	n					2.0E+00	n		8.7E-02	n	
9.0E-02	P			8.0E-04	I			V	1		4.6E+02	Pentachlorobenzene	608-93-5	6.3E+01	n	3.9E+02	n					3.2E+00	n		2.4E-02	n	
2.6E-01	H			3.0E-03	I			V	1			Pentachloroethane	76-01-7	7.7E+00	c	9.6E+01	c					6.5E-01	c		3.1E-04	c	
4.0E-01	I	5.1E-06	C	5.0E-03	I				1	0.25		Pentachloronitrobenzene	82-68-8	2.7E+00	c*	1.3E+01	c					1.2E-01	c	1.0E+00	1.5E-03	c	1.4E-03
4.0E-03	X			2.0E-03	P				1	0.1		Pentachlorophenol	87-86-5	1.0E+00	c	4.0E+00	c	5.5E-01	c	2.4E+00	c	4.1E-02	c		5.7E-05	c	
									1	0.1		Pentaerythritol tetranitrate (PETN)	78-11-5	1.3E+02	n	5.7E+02	c**					1.9E+01	c**		2.8E-02	c**	
						1.0E+00	P	V	1		3.9E+02	Pentane, n-	109-66-0	8.1E+02	ns	3.4E+03	ns	1.0E+03	n	4.4E+03	n	2.1E+03	n		1.0E+01	n	
									1			Perchlorates															
				7.0E-04	I				1			~Ammonium Perchlorate	7790-98-9	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I				1			~Lithium Perchlorate	7791-03-9	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I				1			~Perchlorate and Perchlorate Salts	14797-73-0	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I				1			~Potassium Perchlorate	7778-74-7	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				7.0E-04	I				1			~Sodium Perchlorate	7601-89-0	5.5E+01	n	8.2E+02	n					1.4E+01	n				
				2.0E-02	P				1	0.1		Perfluorobutane sulfonic acid (PFBS)	375-73-5	1.3E+03	n	1.6E+04	n					4.0E+02	n		1.3E-01	n	
				2.0E-02	P				1	0.1		Perfluorobutanesulfonate	45187-15-3	1.3E+03	n	1.6E+04	n					4.0E+02	n		1.3E-01	n	
2.2E-03	C	6.3E-07	C	5.0E-02	I				1	0.1		Permethrin	52645-53-1	3.2E+03	n	4.1E+04	n					1.0E+03	n		2.4E+02	n	
									1	0.1		Phenacetin	62-44-2	2.5E+02	c	1.0E+03	c	4.5E+00	c	1.9E+01	c	3.4E+01	c		9.7E-03	c	
				2.4E-01	O				1	0.1		Phenmedipham	13684-63-4	1.5E+04	n	2.0E+05	nm					3.8E+03	n		2.1E+01	n	
				3.0E-01	I	2.0E-01	C		1	0.1		Phenol	108-95-2	1.9E+04	n	2.5E+05	nm	2.1E+02	n	8.8E+02	n	5.8E+03	n		3.3E+00	n	
				4.0E-03	I				1	0.1		Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	2.5E+02	n	3.3E+03	n					7.8E+01	n		2.5E-02	n	
				5.0E-04	X				1	0.1		Phenothiazine	92-84-2	3.2E+01	n	4.1E+02	n					4.3E+00	n		1.4E-02	n	
				2.0E-04	X			V	1		1.3E+02	Phenyl Isothiocyanate	103-72-0	1.6E+01	n	2.3E+02	ns					2.6E+00	n		1.7E-03	n	
1.2E-01	P			6.0E-03	I				1	0.1		Phenylenediamine, m-	108-45-2	3.8E+02	n	4.9E+03	n					1.2E+02	n		3.2E-02	n	
				4.0E-03	P				1	0.1		Phenylenediamine, o-	95-54-5	4.5E+00	c*	1.9E+01	c					6.5E-01	c		1.7E-04	c	
				1.0E-03	X				1	0.1		Phenylenediamine, p-	106-50-3	6.3E+01	n	8.2E+02	n					2.0E+01	n		5.4E-03	n	
1.9E-03	H								1	0.1		Phenylphenol, 2-	90-43-7	2.8E+02	c	1.2E+03	c					3.0E+01	c		4.1E-01	c	
				2.0E-04	H				1	0.1		Phorate	298-02-2	1.3E+01	n	1.6E+02	n					3.0E+00	n		3.4E-03	n	

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 ₀ (mg/kg-day)	k _e y	RfC (mg/m ³) ¹	k _e y	mutagen	GIABS	ABS ₀	C _{soil} (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)	key	MCL-based SSL (mg/kg)	
				4.9E+01	P				1			~Tricalcium phosphate	7758-87-4	3.8E+06	nm	5.7E+07	nm					9.7E+05	n					
				4.9E+01	P				1			~Trimagnesium phosphate	7757-87-1	3.8E+06	nm	5.7E+07	nm					9.7E+05	n					
				4.9E+01	P				1			~Tripotassium phosphate	7778-53-2	3.8E+06	nm	5.7E+07	nm					9.7E+05	n					
				4.9E+01	P				1			~Trisodium phosphate	7601-54-9	3.8E+06	nm	5.7E+07	nm					9.7E+05	n					
				3.0E-04	I	3.0E-04	I	V	1			Phosphine	7803-51-2	2.3E+01	n	3.5E+02	n	3.1E-01	n	1.3E+00	n	5.7E-01	n					
				4.9E+01	P	1.0E-02	I		1			Phosphoric Acid	7664-38-2	3.0E+06	nm	2.9E+07	nm	1.0E+01	n	4.4E+01	n	9.7E+05	n					
				2.0E-05	I			V	1			Phosphorus, White	7723-14-0	1.6E+00	n	2.3E+01	n					4.0E-01	n		1.5E-03	n		
1.4E-02	I	2.4E-06	C	2.0E-02	I				1	0.1		~Bis(2-ethylhexyl)phthalate	117-81-7	3.9E+01	c*	1.6E+02	c	1.2E+00	c	5.1E+00	c	5.6E+00	c*	6.0E+00	1.3E+00	c*	1.4E+00	
1.9E-03	P			2.0E-01	I				1	0.1		~Butyl Benzyl Phthalate	85-68-7	2.9E+02	c*	1.2E+03	c					1.6E+01	c		2.4E-01	c		
				1.0E+00	I				1	0.1		~Butylphthalyl Butylglycolate	85-70-1	6.3E+04	n	8.2E+05	nm					1.3E+04	n		3.1E+02	n		
				1.0E-01	I				1	0.1		~Dibutyl Phthalate	84-74-2	6.3E+03	n	8.2E+04	n					9.0E+02	n		2.3E+00	n		
				8.0E-01	I				1	0.1		~Diethyl Phthalate	84-66-2	5.1E+04	n	6.6E+05	nm					1.5E+04	n		6.1E+00	n		
				1.0E-01	I			V	1			~Dimethylterephthalate	120-61-6	7.8E+03	n	1.2E+05	nm					1.9E+03	n		4.9E-01	n		
				1.0E-02	P				1	0.1		~Octyl Phthalate, di-N-	117-84-0	6.3E+02	n	8.2E+03	n					2.0E+02	n		5.7E+01	n		
				1.0E+00	H				1	0.1		~Phthalic Acid, P-	100-21-0	6.3E+04	n	8.2E+05	nm					1.9E+04	n		6.8E+00	n		
				2.0E+00	I	2.0E-02	C		1	0.1		~Phthalic Anhydride	85-44-9	1.3E+05	nm	1.6E+06	nm	2.1E+01	n	8.8E+01	n	3.9E+04	n		8.5E+00	n		
				7.0E-02	I				1	0.1		Picloram	1918-02-1	4.4E+03	n	5.7E+04	n					1.4E+03	n	5.0E+02	3.8E-01	n	1.4E-01	
				1.0E-04	X				1	0.1		Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	6.3E+00	n	8.2E+01	n					2.0E+00	n		1.3E-03	n		
				9.0E-04	X				1	0.1		Picric Acid (2,4,6-Trinitrophenol)	88-89-1	5.7E+01	n	7.4E+02	n					1.8E+01	n		8.4E-02	n		
				7.0E-05	O				1	0.1		Pirimiphos, Methyl	29232-93-7	4.4E+00	n	5.7E+01	n					8.5E-01	n		8.1E-04	n		
3.0E+01	C	8.6E-03	C	7.0E-06	H				1	0.1		Polybrominated Biphenyls	59536-65-1	1.8E-02	c*	7.7E-02	c*	3.3E-04	c	1.4E-03	c	2.6E-03	c*					
				7.0E-02	G	2.0E-05	G			0.14		Polychlorinated Biphenyls (PCBs)	~Aroclor 1016	12674-11-2	4.1E+00	n	2.7E+01	c**	1.4E-01	c	6.1E-01	c	2.2E-01	c**		2.1E-02	c**	
2.0E+00	G	5.7E-04	G					V		0.14		~Aroclor 1221	11104-28-2	2.0E-01	c	8.3E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c		8.0E-05	c		
2.0E+00	G	5.7E-04	G					V		0.14		~Aroclor 1232	11141-16-5	1.7E-01	c	7.2E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c		8.0E-05	c		
2.0E+00	G	5.7E-04	G					V		0.14		~Aroclor 1242	53469-21-9	2.3E-01	c	9.5E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		1.2E-03	c		
2.0E+00	G	5.7E-04	G					V		0.14		~Aroclor 1248	12672-29-6	2.3E-01	c	9.4E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		1.2E-03	c		
2.0E+00	G	5.7E-04	G	2.0E-05	I			V		0.14		~Aroclor 1254	11097-69-1	2.4E-01	c**	9.7E-01	c*	4.9E-03	c	2.1E-02	c	7.8E-03	c*		2.0E-03	c*		
2.0E+00	G	5.7E-04	G					V		0.14		~Aroclor 1260	11096-82-5	2.4E-01	c	9.9E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c		5.5E-03	c		
				6.0E-04	X			V		0.14		~Aroclor 5460	11126-42-4	3.5E+01	n	4.4E+02	n					1.2E+01	n		2.0E+00	n		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	1.3E-01	c*	5.2E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		2.8E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 167)	52663-72-6	1.2E-01	c*	5.1E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)	38380-08-4	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.7E-03	c		
3.9E+03	W	1.1E+00	W	2.3E-08	W	1.3E-06	W	V		0.14		~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	1.2E-04	c*	5.1E-04	c*	2.5E-06	c	1.1E-05	c	4.0E-06	c		1.7E-06	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 123)	65510-44-3	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 118)	31508-00-6	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 105)	32598-14-4	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c		
3.9E+00	W	1.1E-03	W	2.3E-05	W	1.3E-03	W	V		0.14		~Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 114)	74472-37-0	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c		1.0E-03	c		
1.3E+04	W	3.8E+00	W	7.0E-09	W	4.0E-07	W	V		0.14		~Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126)	57465-28-8	3.6E-05	c*	1.5E-04	c*	7.4E-07	c	3.2E-06	c	1.2E-06	c		3.0E-07	c		
2.0E+00	I	5.7E-04	I					V		0.14		~Polychlorinated Biphenyls (high risk)	1336-36-3	2.3E-01	c	9.4E-01	c	4.9E-03	c	2.1E-02	c			5.0E-01				
4.0E-01	I	1.0E-04	I					V		0.14		~Polychlorinated Biphenyls (low risk)	1336-36-3					2.8E-02	c	1.2E-01	c	4.4E-02</						

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																														
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 ₀ (mg/kg-day)	k _e y	RfC ₀ (mg/m ³)	k _e y	v _o l	mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)		
1.9E-01	O			5.0E-03 4.0E-02 2.0E-03	I O I				V	1	0.1 0.1 1.1E+05		Propanil Propargite Propargyl Alcohol	709-98-8 2312-35-8 107-19-7	3.2E+02 2.8E+00 1.6E+02	n c n	4.1E+03 1.2E+01 2.3E+03	n c n					8.2E+01 1.6E-01 4.0E+01	n c n		4.5E-02 1.1E-02 8.1E-03	n c n			
				2.0E-02 2.0E-02 1.0E-01	I I O					1	0.1 0.1 0.1		Propazine Propham Propiconazole	139-40-2 122-42-9 60207-90-1	1.3E+03 1.3E+03 6.3E+03	n n n	1.6E+04 1.6E+04 8.2E+04	n n n					3.4E+02 3.5E+02 1.6E+03	n n n		3.0E-01 2.2E-01 5.3E+00	n n n			
				8.0E-03 1.0E-01 3.0E+00	I X C	V X V				1		3.3E+04 2.6E+02 3.5E+02	Propionaldehyde Propyl benzene Propylene	123-38-6 103-65-1 115-07-1	7.5E+01 3.8E+03 2.2E+03	n ns ns	3.1E+02 2.4E+04 9.3E+03	n ns ns	8.3E+00 1.0E+03 3.1E+03	n n n	3.5E+01 4.4E+03 1.3E+04	n n n	1.7E+01 6.6E+02 6.3E+03	n n n		3.4E-03 1.2E+00 6.0E+00	n n n			
				2.0E+01 7.0E-01	P H					1	0.1 0.1		Propylene Glycol Propylene Glycol Dinitrate Propylene Glycol Monomethyl Ether	57-55-6 8423-43-4 107-98-2	1.3E+06 3.9E+05 4.1E+04	nm nm s	1.6E+07 1.6E+06 3.7E+05	nm nm s			2.8E-01 1.2E+00 2.1E+03	n n n	8.8E+03 3.2E+03 8.8E+03	n n n	4.0E+05 3.2E+03 6.1E+01	n n n		8.1E+01 6.5E-01 3.2E+01	n n n	
2.4E-01	I	3.7E-06	I	1.0E-03 5.0E-04	I I				V	1		7.8E+04 5.3E+05	Propylene Oxide Pyridine Quinalphos	75-58-9 110-86-1 13593-03-8	2.1E+00 7.8E+01 3.2E+01	c n n	9.7E+00 1.2E+03 4.1E+02	c n n	7.6E-01 2.0E+01 5.1E+00	c*	3.3E+00	c*	2.7E-01 2.0E+01 5.1E+00	c n n		5.6E-05 6.8E-03 4.3E-02	c n n			
3.0E+00	I			9.0E-03	I					1	0.1		Quinoline Quizalofop-ethyl Refractory Ceramic Fibers (units in fibers)	91-22-5 76578-14-8 E715557	1.8E-01 5.7E+02 1.9E+03	c c n	7.7E-01 7.4E+03 2.5E+04	c n n			3.1E+04 1.3E+05	G G			6.7E+01 4.1E+02 6.1E+01	n n n		4.2E+01 3.7E+00 3.2E+01	n n n	
				3.0E-02 5.0E-02 4.0E-03	I H I				V	1	0.1		Resmethrin Ronnel Rotenone	10453-86-8 299-84-3 83-79-4	1.9E+03 3.9E+03 2.5E+02	n n n	2.5E+04 5.8E+04 3.3E+03	n n n					6.7E+01 4.1E+02 6.1E+01	n n n		4.2E+01 3.7E+00 3.2E+01	n n n			
2.2E-01	C	6.3E-05	C	5.0E-03 5.0E-03 5.0E-03 1.4E-01	I I C O					1	0.1		Saflrole Selenious Acid Selenium Selenium Sulfide Sethoxydim Silica (crystalline, respirable)	94-59-7 7783-00-8 7782-49-2 7446-34-6 74051-80-2 7631-86-9	5.5E-01 3.9E+02 3.9E+02 3.9E+02 8.8E+03 4.3E+06	c n n n n nm	1.0E+01 5.8E+03 5.8E+03 5.8E+03 1.1E+05 1.6E+07	c n n n nm nm	1.6E-02 2.1E+01 2.1E+01 2.1E+01 3.1E+00	c n n n n	1.9E-01 8.8E+01 8.8E+01 8.8E+01 1.3E+01	c n n n n	9.6E-02 1.0E+02 1.0E+02 1.0E+02 1.6E+03	c n n n n		5.9E-05 5.2E-01 5.2E-01 1.4E+01	c n n n			
1.2E-01	H			5.0E-03 5.0E-03 1.3E-02	I I I					0.04	0.1 0.1 0.1		Silver Simazine Sodium Acifluorfen	7440-22-4 122-34-9 62476-59-9	3.9E+02 4.5E+00 8.2E+02	n c*	5.8E+03 1.9E+01 1.1E+04	n c n					9.4E+01 6.1E-01 2.6E+02	n c n	4.0E+00	8.0E-01 3.0E-04 2.1E+00	n c n		2.0E-03	
2.7E-01	H			4.0E-03 3.0E-02 5.0E-02	I I A					1	0.1		Sodium Azide Sodium Diethyldithiocarbamate Sodium Fluoride	26628-22-8 148-18-5 7681-49-4	3.1E+02 2.0E+00 3.9E+03	n c n	4.7E+03 5.8E+00 8.5E+04	n c n			4.7E+03 2.9E-01 1.4E+01	n n n	5.7E+01 2.0E+01 5.7E+01	n n n	1.0E+03 2.9E-01 1.0E+03	n c n	4.0E+03	1.8E-04 1.5E+02 1.8E+02	c n n	6.0E+02
				2.0E-05 1.0E-03 8.0E-04	I H P					1	0.1		Sodium Fluoroacetate Sodium Metavanadate Sodium Tungstate	62-74-8 13718-26-8 13472-45-2	1.3E+00 7.8E+01 6.3E+01	n n n	1.6E+01 1.2E+03 9.3E+02	n n n					4.0E-01 2.0E+01 1.6E+01	n n n		8.1E-05	n			
2.4E-02	H			8.0E-04 3.0E-02 6.0E-01	P I I					1	0.1		Sodium Tungstate Dihydrate Stirofos (Tetrachlorovinphos) Strontium, Stable	10213-10-2 961-11-5 7440-24-6	6.3E+01 2.3E+01 4.7E+04	n c*	9.3E+02 9.6E+01 7.0E+05	n c nm					1.6E+01 2.8E+00 1.2E+04	n c n		8.2E-03 4.2E+02 1.2E+04	c n n			
				3.0E-04 2.0E-01 3.0E-03	I I P					1	0.1	8.7E+02	Strychnine Styrene Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	57-24-9 100-42-5 57964-39-3	1.9E+01 6.0E+03 1.9E+02	n ns n	2.5E+02 3.5E+04 2.5E+03	n ns n	1.0E+03 4.4E+03 2.1E+00	n n n	4.4E+03 4.4E+03 8.8E+00	n n n	5.9E+00 1.2E+03 2.0E+01	n n n	1.0E+02	6.5E-02 1.3E+00 4.4E-03	n n n	1.1E-01		
				3.0E-03 1.0E-03 8.0E-04	P P P				X	1	0.1		Styrene-Acrylonitrile (SAN) Trimer (THNP isomer) Sulfolane Sulfonylbis(4-chlorobenzene), 1,1'-	57964-40-6 126-33-0 80-07-9	1.9E+02 6.3E+01 5.1E+01	n n n	2.5E+03 8.2E+02 6.6E+02	n n n	2.1E+00 2.1E+00 2.1E+00	n n n	8.8E+00 8.8E+00 8.8E+00	n n n	4.8E+01 2.0E+01 1.1E+01	n n n		4.4E-03 6.5E-02	n n			
2.5E-02	I	7.1E-06	I	5.0E-02 3.0E-02 7.0E-02 2.0E-02	H H I H					1	0.1 0.1 0.1		Sulfur Trioxide Sulfuric Acid Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethyl)phenoxy]-1-methylethyl ester	7446-11-9 7664-93-9 140-57-8	1.4E+06 1.4E+06 2.2E+01	nm nm c	6.0E+06 6.0E+06 9.2E+01	nm nm c	1.0E+00 1.0E+00 4.0E-01	n n c	4.4E+00 4.4E+00 1.7E+00	n n c	2.1E+00 2.1E+00 1.3E+00	n n c		1.5E-02	c			
				3.0E-02 7.0E-02 2.0E-02	H I H					1	0.1 0.1 0.1		TCMTB Tebuthiuron Temephos	21564-17-0 34014-18-1 3383-96-8	1.9E+03 4.4E+03 1.3E+03	n n n	2.5E+04 5.7E+04 1.6E+04	n n n					4.8E+02 1.4E+03 4.0E+02	n n n		3.3E+00 3.9E-01 7.6E+01	n n n			
				1.3E-02 2.5E-05 1.0E-03	I H I				V	1	0.1 0.1 0.1	3.1E+01	Terbacil Terbufos Terbutryn	5902-51-2 13071-79-9 886-50-0	8.2E+02 2.0E+00 6.3E+01	n n n	1.1E+04 2.9E+01 8.2E+02	n n n					2.5E+02 2.4E-01 3.3E+01	n n n		7.5E-02 5.2E-04 1.9E-02	n n n			
5.0E-03	C	1.3E-06	C	1.0E-04 3.0E-04	I I				V	1	0.1		Tert-Butyl Acetate Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47) Tetrachlorobenzene, 1,2,4,5-	540-88-5 5436-43-1 95-94-3	8.1E+00 6.3E+00 2.3E+01	c n n	3.6E+01 8.2E+01 3.5E+02	c n n	2.2E+00 9.4E+00	c c	9.4E+00 2.0E+00	c n	3.3E+00 2.0E+00	c n		7.6E-04 5.3E-02 7.9E-03	c n n			
2.6E-02	I	7.4E-06	I	3.0E-02	I					1		6.8E+02	Tetrachloroethane, 1,1,1,2-	630-20-6	2.0E+00	c	8.8E+00	c	3.8E-01	c	1.7E+00	c	5.7E-01	c		2.2E-04	c			
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	6.0E-01	c	2.7E+00	c	4.8E-02	c	2.1E-01	c	7.6E-02	c		3.0E-05	c			
2.1E-03	I	2.6E-07	I	6.0E-03	I				V	1		1.7E+02	Tetrachloroethylene	127-18-4	2.4E+01	c**	1.0E+02	c**	1.1E+01	c**	4.7E+01	c**	1.1E+01	c**	5.0E+00	5.1E-03	c**	2.3E-03		
1.6E+01	X			3.0E-02 6.0E-05 5.0E-04	I X I					1	0.1		Tetrachlorophenol, 2,3,4,6- Tetrachlorotoluene, p- Tetraethyl Dithiopyrophosphate	58-90-2 5216-25-1 3689-24-5	1.9E+03 4.3E-02 3.2E+01	n c n	2.5E+04 2.0E-01 4.1E+02	n c n			8.3E+04 3.5E+05	n n	7.1E+05 3.9E+01	n n		1.8E-01 5.7E-06 5.2E-03	n c n			
				8.0E+01	I	V				1		2.1E+03	Tetrafluoroethane, 1,1,1,2- Tetryl (Trinitrophenylmethylnitramine) Thallic Oxide	811-97-2 479-45-8 1314-32-5	1.0E+05 1.6E+02 1.6E+00	s n n	4.3E+05 2.3E+03 2.3E+01	s n n					1.7E+05 3.9E+01 4.0E-01	n n n		9.3E+01 3.7E-01	n n			
				1.0E-05 1.0E-05 1.0E-05	X X X					1			Thallium (I) Nitrate Thall																	

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 ₀ (mg/kg-day)	k _e (y)	RfC (mg/m ³)	k _e (y)	mutagen	GIABS	ABS ₀	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)	key	MCL-based SSL (mg/kg)					
1.2E-02	O			7.0E-02	X				1	0.0075		Thiodiglycol	111-48-8	5.4E+03	n	7.9E+04	n					1.4E+03	n			2.8E-01	n					
				3.0E-04	H				1	0.1		Thiofanox	39196-18-4	1.9E+01	n	2.5E+02	n					5.3E+00	n			1.8E-03	n					
				2.7E-02	O				1	0.1		Thiophanate, Methyl	23564-05-8	4.7E+01	c*	2.0E+02	c					6.7E+00	c*			5.7E-03	c*					
				1.5E-02	O				1	0.1		Thiram	137-26-8	9.5E+02	n	1.2E+04	n					2.9E+02	n			4.2E-01	n					
				6.0E-01	H				1			Tin	7440-31-5	4.7E+04	n	7.0E+05	nm					1.2E+04	n			3.0E+03	n					
3.9E-02	C	1.1E-05	C			1.0E-04	A	V				Titanium Tetrachloride	7550-45-0	1.4E+05	nm	6.0E+05	nm	1.0E-01	n	4.4E-01	n	2.1E-01	n			1.0E+03	7.6E-01	n	6.9E-01			
				8.0E-02	I	5.0E+00	I	V	1		8.2E+02	Toluene	108-88-3	4.9E+03	ns	4.7E+04	ns	5.2E+03	n	2.2E+04	n	1.1E+03	n			2.5E-04	n					
						8.0E-06	C	V	1			Toluene-2,4-diisocyanate	584-84-9	6.4E+00	n	2.7E+01	n	8.3E-03	n	3.5E-02	n	1.7E-02	n									
				2.0E-04	X				1	0.1		Toluene-2,5-diamine	95-70-5	3.0E+00	c**	1.3E+01	c*					4.3E-01	c**			1.3E-04	c**					
						8.0E-06	C	V	1		1.7E+03	Toluene-2,6-diisocyanate	91-08-7	5.3E+00	n	2.2E+01	n	8.3E-03	n	3.5E-02	n	1.7E-02	n			2.6E-04	n					
1.6E-02	P	5.1E-05	C	5.0E-03	P				1	0.1		Toluic Acid, p-	99-94-5	3.2E+02	n	4.1E+03	n					9.0E+01	n			2.3E-02	n					
									1	0.1		Toluidine, o- (Methylaniline, 2-)	95-53-4	3.4E+01	c	1.4E+02	c	5.5E-02	c	2.4E-01	c	4.7E+00	c			2.0E-03	c					
				4.0E-03	X				1	0.1		Toluidine, p-	106-49-0	1.8E+01	c*	7.7E+01	c*					2.5E+00	c*			1.1E-03	c*					
				3.0E+00	P				1		3.4E-01	Total Petroleum Hydrocarbons (Aliphatic High)	E1790670	2.3E+05	s	3.5E+06	s					6.0E+04	n			2.4E-03	n					
						6.0E-01	P	V	1		1.4E+02	Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666	5.2E+02	ns	2.2E+03	ns	6.3E+02	n	2.6E+03	n	1.3E+03	n			8.8E+00	n					
3.0E-02	P			1.0E-02	X	1.0E-01	P	V	1		6.9E+00	Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668	9.6E+01	ns	4.4E+02	ns	1.0E+02	n	4.4E+02	n	1.0E+02	n			1.5E+00	n					
				4.0E-02	P				1	0.13		Total Petroleum Hydrocarbons (Aromatic High)	E1790676	2.4E+03	n	3.0E+04	n					8.0E+02	n			8.9E+01	n					
				4.0E-03	P	3.0E-02	P	V	1		1.8E+03	Total Petroleum Hydrocarbons (Aromatic Low)	E1790672	8.2E+01	n	4.2E+02	n	3.1E+01	n	1.3E+02	n	3.3E+01	n			1.7E-02	n					
				4.0E-03	P	3.0E-03	P	V	1	0.13		Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	9.7E+01	n	5.6E+02	n	3.1E+00	n	1.3E+01	n	5.5E+00	n			2.3E-02	n					
				9.0E-05	P				1	0.1		Toxaphene	8001-35-2	4.9E-01	c*	2.1E+00	c*	8.8E-03	c	3.8E-02	c	7.1E-02	c*	3.0E+00	1.1E-02	c*	4.6E-01					
7.2E-02	O			3.0E-05	X				1	0.1		Toxaphene, Weathered	E1841606	1.9E+00	n	2.5E+01	n					6.0E-01	n			9.3E-02	n					
				7.5E-03	I				1	0.1		Tralometrin	66841-25-6	4.7E+02	n	6.2E+03	n					1.5E+02	n			5.8E+01	n					
				3.0E-04	A			V	1			Tri-n-butyltin	688-73-3	2.3E+01	n	3.5E+02	n					3.7E+00	n			8.2E-02	n					
				8.0E+01	X				1	0.1		Triacetin	102-76-1	5.1E+06	nm	6.6E+07	nm					1.6E+06	n			4.5E+02	n					
				3.4E-02	O				1	0.1		Triadimefon	43121-43-3	2.1E+03	n	2.8E+04	n					6.3E+02	n			5.0E-01	n					
9.0E-03	P			2.5E-02	O			V	1			Triallate	2303-17-5	9.7E+00	c	4.6E+01	c					4.7E-01	c			1.0E-03	c					
				1.0E-02	I				1	0.1		Triasulfuron	82097-50-5	6.3E+02	n	8.2E+03	n					2.0E+02	n			2.1E-01	n					
				8.0E-03	I				1	0.1		Tribenuron-methyl	101200-48-0	5.1E+02	n	6.6E+03	n					1.6E+02	n			6.1E-02	n					
				5.0E-03	I			V	1			Tribromobenzene, 1,2,4-	615-54-3	3.9E+02	n	5.8E+03	n					4.5E+01	n			6.4E-02	n					
				9.0E-03	X				1	0.1		Tribromophenol, 2,4,6-	118-79-6	5.7E+02	n	7.4E+03	n					1.2E+02	n			2.2E-01	n					
7.0E-02	I			1.0E-02	P				1	0.1		Tributyl Phosphate	126-73-8	6.0E+01	c*	2.6E+02	c*					5.2E+00	c*			2.5E-02	c*					
				3.0E-04	P				1	0.1		Tributyltin Compounds	E1790678	1.9E+01	n	2.5E+02	n					6.0E+00	n									
				3.0E-04	I				1	0.1		Tributyltin Oxide	56-35-9	1.9E+01	n	2.5E+02	n					5.7E+00	n			2.9E+02	n					
				3.0E+01	I	5.0E+00	P	V	1		9.1E+02	Trichloramine	10025-85-1									4.0E+03(G)			2.6E+01	n						
				2.0E-02	I				1	0.1		Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.7E+03	ns	2.8E+04	ns	5.2E+03	n	2.2E+04	n	1.0E+04	n			2.6E+01	n					
2.9E-02	H								1	0.1		Trichloroacetic Acid	76-03-9	7.8E+00	c	3.3E+01	c					1.1E+00	c	6.0E+01(G)	2.2E-04	c	1.2E-02					
				3.0E-05	X				1	0.1		Trichloroaniline HCl, 2,4,6-	33663-50-2	1.9E+01	c	7.9E+01	c					2.7E+00	c			7.4E-03	c					
				8.0E-04	X				1			Trichloroaniline, 2,4,6-	634-93-5	1.9E+00	n	2.5E+01	n					4.0E-01	n			3.6E-03	n					
								V	1			Trichlorobenzene, 1,2,3-	87-61-6	6.3E+01	n	9.3E+02	n					7.0E+00	n			2.1E-02	n					
				1.0E-02	I	2.0E-03	P	V	1		4.0E+02	Trichlorobenzene, 1,2,4-	120-82-1	2																		

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100X c SL; ** = where n SL < 10X c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																												
Toxicity and Chemical-specific Information												Contaminant		Screening Levels										Protection of Ground Water SSLs				
SFO (mg/kg-day) ¹	k _e (ug/m ³) ⁻¹	IUR (ug/m ³) ⁻¹	k _e (mg/kg-day)	RfD _o (mg/kg-day)	k _e (mg/m ³) ⁻¹	RfC _i (mg/m ³) ⁻¹	k _e (mg/m ³) ⁻¹	v _o mutagen	GIABS	ABS _g	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)	key	MCL-based SSL (mg/kg)	
7.2E-01	I	4.4E-06	I	1.0E-03	I			V		1		Vernolate	1929-77-7	7.8E+01	n	1.2E+03	n					1.1E+01	n		8.9E-03	n		
				1.2E-03	O					1	0.1	Vinclozolin	50471-44-8	7.6E+01	n	9.8E+02	n					2.1E+01	n		1.6E-02	n		
				1.0E+00	H	2.0E-01	I	V		1		2.8E+03	Vinyl Acetate	108-05-4	9.1E+02	n	3.8E+03	ns	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.7E-02	n	
										1		2.5E+03	Vinyl Bromide	593-60-2	1.2E-01	c*	5.2E-01	c*	8.8E-02	c*	3.8E-01	c*	1.8E-01	c*		5.1E-05	c*	
										1		3.9E+03	Vinyl Chloride	75-01-4	5.9E-02	c	1.7E+00	c	1.7E-01	c	2.8E+00	c	1.9E-02	c	2.0E+00	6.5E-06	c	6.9E-04
											1	0.1		Warfarin	81-81-2	1.9E+01	n	2.5E+02	n					5.6E+00	n		5.9E-03	n
				2.0E-01	G	1.0E-01	G	V		1	3.9E+02	Xylene, m-	108-38-3	5.5E+02	ns	2.4E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n		
				2.0E-01	G	1.0E-01	G	V		1	4.3E+02	Xylene, o-	95-47-6	6.5E+02	ns	2.8E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n		
				2.0E-01	G	1.0E-01	G	V		1	3.9E+02	Xylene, p-	106-42-3	5.6E+02	ns	2.4E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n		1.9E-01	n		
				2.0E-01	I	1.0E-01	I	V		1	2.6E+02	Xylenes	1330-20-7	5.8E+02	ns	2.5E+03	ns	1.0E+02	n	4.4E+02	n	1.9E+02	n	1.0E+04	1.9E-01	n	9.9E+00	
				3.0E-04	I					1		Zinc Phosphide	1314-84-7	2.3E+01	n	3.5E+02	n					6.0E+00	n					
				3.0E-01	I					1		Zinc and Compounds	7440-66-6	2.3E+04	n	3.5E+05	nm					6.0E+03	n		3.7E+02	n		
				5.0E-02	I					1	0.1		Zineb	12122-67-7	3.2E+03	n	4.1E+04	n					9.9E+02	n		2.9E+00	n	
				8.0E-05	X					1		Zirconium	7440-67-7	6.3E+00	n	9.3E+01	n					1.6E+00	n		4.8E+00	n		