

REGION 6		LAND BAN HEALTH BASED LIMITS GUIDELINE - Revised 12-10-18	2/25/1998 Original	3/14/2001 RfD's revised	7/22/2002 K174-K178 added		
			7/21/2004 K064-K066, K090, K091, & K140 deleted, codes no longer applicable				
			4/25/2005 K181 added				
			12/10/2018 Removed U202 Saccharin which was removed from the hazardous waste list effective 1/18/11. Revised the MCL for Arsenic which changed 1/23/06. MCLs for Aldicarb & Aldicarb Sulfone were stayed 5/27/92 so RfDs are now used. All other MCLs unchanged for March 2018 list.				
CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
30558-43-1	U394	A2213 (2-(Dimethylamino)-N-hydroxy-2-oxo-ethanimidothioic acid methyl ester)				1.0E-02	8270
208-96-8	F039, K001, K035, K087	Acenaphthalene (Acenaphthylene)				1.0E-02	8270
83-32-9	F032, F034, F037, F039, K035, K051, K088	Acenaphthene		2.1E+00	RfD		
75-07-0	U001	Acetaldehyde (Ethanal)				1.1E-01	8315
67-64-1	F001, F002, F003, F004, F005, F039, K086, U002	Acetone (2-Propanone)		3.5E+00	RfD		
75-05-8	F039, K011, K013, K014, K156, U003	Acetonitrile (Methyl cyanide)		2.1E-01	RfD		
98-86-2	F039, K022, K086, K156, U004	Acetophenone (1-Phenylethanone)		3.5E+00	RfD		
53-96-3	F039, U005	2-Acetylaminofluorene (N-2-Fluorenylacetamide) (N-9H-Fluoren-2-yl-acetamide) (misspelled "acetylaminefluorone" in 261 App. VIII)				2.0E-02	8270
75-36-5	U006	Acetyl chloride	Vinyl chloride			2.0E-04	8021
591-08-2	P002	1-Acetyl-2-thiourea (N-aminothioxomethyl) acetamide)				1.0E+00	8270
107-02-8	F039, P003	Acrolein (2-Propenal)				5.0E-03	8260
79-06-1	K011, K013, K014, U007	Acrylamide (2-Propenamide)		8.0E-06	RSD		
79-10-7	U008	Acrylic acid (2-Propenoic acid)		1.8E+01	RfD		
107-13-1	F039, K011, K013, K014, U009	Acrylonitrile (2-Propenenitrile) (Vinyl cyanide)		6.0E-05	RSD		
116-06-3	P070	Aldicarb			RfD	3.5E-02	
1646-88-4	P203	Aldicarb sulfone (2-Methyl-2-(methylsulfonyl)-propanal-O-[(methylamino)carbonyl]oxime)			RfD	3.5E-02	
309-00-02	F039, P004	Aldrin		2.0E-07	RSD		
107-18-6	P005	Allyl alcohol (2-Propen-1-ol)		1.8E-01	RfD		
107-05-1	F024, F025, F039	Allyl chloride (3-Chloropropene) (3-Chloropropylene)				3.0E-05	8021
20859-73-8	P006	Aluminum phosphide		1.4E-02	RfD		
92-67-1	F039	4-Aminobiphenyl (p-Biphenylamine)				2.0E-02	8270
2763-96-4	P007	5-Aminomethyl 3-isoxazolol (Muscimol) (5-(Aminomethyl)-3(2H)-isoxazolone)	N-Nitrosopyrrolidine			4.0E-02	8270
504-24-5	P008	4-Aminopyridine (4-Pyridinamine)	Pyridine			5.0E-03	8260

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61-82-5	U011	Amitrole (1H-1,2,4-Triazol-3-amine)	p-dimethylaminoazobenzene			1.0E-02	8270
131-74-8	P009	Ammonium picrate (2,4,6-Trinitrophenol ammonium salt)	2,4-Dinitrophenol			5.0E-02	8270
7803-55-6	P119	Ammonium vanadate	Vanadium			4.0E-03	7911
62-53-3	F039, U012, K083, K103, K104, K112, K113, K156, K181	Aniline (Benzenamine)		6.0E-03	RSD		
90-04-0	F039, K181	o-Anisidine (2-methoxyaniline)				1.0E-02	8270
120-12-7	F032, F034, F037, F039, K015, K035, K049, K051, K088	Anthracene		1.1E+01	RfD		
7440-36-0	F039, K021, K061, K088, K161, K172, K176, K177	Antimony		6.0E-03	MCL		
140-57-8	F039	Aramite		1.0E-03	RSD		
7440-38-2	D004, F032, F034, F035, F039, K031, K060, K061, K084, K088, K101, K102, K161, K171, K172, K174, K176, K177, P010, P011, P012, P036, P038, U136	Arsenic		1.0E-02	MCL		
7778-39-4	P010	Arsenic acid	Arsenic			1.0E-03	7060
1303-28-2	P011	Arsenic pentoxide	Arsenic			1.0E-03	7060
1327-53-3	P012	Arsenic trioxide	Arsenic			1.0E-03	7060
492-80-8	U014	Auramine	4,4-Oxydianiline			2.0E-02	8270
115-02-6	U015	Azaserine (L-Serine diazoacetate(ester))	Dimethylaminoazobenzene			1.0E-02	8270
101-27-9	U280	Barban ((3-Chlorophenyl)carbamic acid 4-chloro-2-butynyl ester)				2.4E-03	8321
7440-39-3	D005, F039, K061, K088, P013	Barium		2.0E+00	MCL		
542-62-1	P013	Barium cyanide	Cyanide			2.0E-01	9010
22781-23-3	U278	Bendiocarb (2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate)				3.0E-04	8321
22961-82-6	U364	Bendiocarb phenol (2,2-Dimethyl-1,3-benzodioxol-4-ol)				1.0E-02	8270
17804-35-2	K156, K158, U271	Benomyl ([1-[(Butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamic acid methyl ester)		1.8E+00	RfD		
225-51-4	U016	Benz[c]acridine	Dibenz[a,j]acridine			1.0E-02	8270
98-87-3	K015, U017	Benzal chloride				2.0E-05	8121
56-55-3	F032, F034, F037, F039, K001, K035, K051, K088, K141, K142, K143, K144, K145, K147, K148, K169, K170, K171, U018	Benz[a]anthracene (1,2-Benzanthracene)				1.3E-04	8310

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71-43-2	D018, F001, F002, F003, F004, F005, F024, F025, F037, F038, F039, K011, K013, K014, K048, K049, K051, K052, K060, K083, K085, K087, K103, K104, K105, K141, K142, K143, K144, K145, K147, K151, K156, K158, K159, K169, K170, K171, K172, U019	Benzene		5.0E-03	MCL		
98-09-9	U020	Benzenesulfonyl chloride	Benzene thiol			2.0E-02	8270
92-87-5	U021	Benzidine		2.0E-07	RSD		
205-99-2	F032, F034, F039, K001, K015, K035, K088, K141, K142, K143, K144, K147, K148	Benzo[b]fluoranthene				1.8E-04	8310
207-08-9	F032, F034, F039, K015, K088, K141, K142, K143, K144, K147, K148	Benzo[k]fluoranthene				1.7E-04	8310
191-24-2	F039, K088, K169, K170	Benzo[g, h, i]-perylene				7.6E-04	8310
50-32-8	F032, F034, F037, F038, F039, K001, K035, K048, K049, K050, K051, K052, K088, K060, K141, K142, K143, K144, K145, K147, K148, U022	Benzo[a]pyrene (PAHs)		2.0E-04	MCL		
106-51-4	U197	p-Benzoquinone (Quinone) (2,5-Cyclohexadiene-1,4-dione)				1.0E-02	8270
98-07-7	U023, K015, K149	Benzotrichloride		3.0E-06	RSD		
100-44-7	P028, K015, K085, K149	Benzyl chloride ((Chloromethyl)benzene)		2.0E-04	RSD		
7440-41-7	F039, K061, K088, P015	Beryllium		4.0E-03	MCL		
319-84-6	D013, F024, F039, U129	alpha BHC (see lindane) (alpha-Hexachlorocyclohexane)		6.0E-06	RSD		
319-85-7	D013, F024, F039, U129	beta BHC (see lindane) (beta-Hexachlorocyclohexane)		2.0E-05	RSD		
319-86-8	D013, F024, F039, U129	delta BHC (see lindane) (delta - Hexachlorocyclohexane)				2.0E-04	8121
598-31-2	P017	Bromoacetone (1-Bromo-2-propanone)				3.0E-05	8021
75-27-4	F039	Bromodichloromethane (Trihalomethane)		6.0E-04	RSD		
75-25-2	F039, U225	Bromoform (Trihalomethane) (Tribromomethane)		4.0E-03	RSD		
101-55-3	F039, U030	4-Bromophenyl phenyl ether				1.0E-02	8270
357-57-3	P018	Brucine (2,3-Dimethoxystrychnidin-10-one)	Strychnine			3.0E-04	8321

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71-36-3	F001, F002, F003, F004, F005, F039, K086, U031	n-Butyl alcohol (1-Butanol)		3.5E+00	RfD		
2008-41-5	K159	Butylate (bis(2-Methylpropyl)carbamothioic acid S-ethyl ester)		1.8E+00	RfD		
85-68-7	F039, K086	Butyl benzyl phthalate		7.0E+00	RfD		
75-60-5	U136	Cacodylic acid (Dimethylarsenic acid)	Arsenic			1.0E-03	7060
7440-43-9	D006, F006, F007, F008, F009, F011, F012, F039, K028, K061, K069, K088, K100, K101, K102, K176	Cadmium		5.0E-03	MCL		
13765-19-0	U032	Calcium chromate	Chromium			1.0E-03	7191
592-01-8	P021	Calcium cyanide		1.4E+00	RfD		
63-25-2	K156, U279	Carbaryl (1-Naphthalenol methylcarbamate)		3.5E+00	RfD		
10605-21-7	K156, K158, U372	Carbendazim (1H-Benzimidazol-2-yl carbamic acid methyl ester)				4.0E-04	8321
1563-66-2	K156, K158, P127	Carbofuran (2,3-Dihydro-2,2-dimethyl-7-benzo-furanol methylcarbamate)		4.0E-02	MCL		
1563-38-8	U367	Carbofuran phenol (2,3-Dihydro-2,2-dimethyl-7-benzofuranol)				1.0E-02	8270
75-15-0	F001, F002, F003, F004, F005, F039, K049, K161, P022	Carbon disulfide		3.5E+00	RfD		
353-50-4	U033	Carbon oxyfluoride (Carbonyl fluoride)	Dichlorodifluoromethane			5.0E-04	8021
56-23-5	D019, F001, F002, F003, F004, F005, F024, F025, F039, K016, K019, K020, K021, K073, K116, K150, K151, K157, U211	Carbon tetrachloride (Tetrachloromethane)		5.0E-03	MCL		
55285-14-8	K156, K158, P189	Carbosulfan ([[Dibutylamino]thio] methyl-carbamic acid-2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester)		3.5E-01	RfD		
305-03-3	U035	Chlorambucil	5-Chloro-2-methylaniline			1.0E-02	8270
57-74-9	D020, F039, K032, K097	Chlordane		2.0E-03	MCL		
5103-71-9	D020, F039, K032, K097, U036	Chlordane - alpha isomer				1.5E-03	8081
5103-74-2	D020, F039, K032, K097, U036	Chlordane - gamma isomer				1.8E-03	8081
----	F001	Chlorinated fluorocarbons, N.O.S.	Dichlorodifluoromethane			5.0E-04	8021
494-03-1	U026	Chlornaphazine (N-N'-bis(2-Chloroethyl) naphthalenamine)	1-Naphthylamine			1.0E-02	8270

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107-20-0	P023, K010	Chloroacetaldehyde				5.9E-04	8315
106-47-8	F039, K181, P024	p-Chloroaniline (4-Chloroaniline) (4-chloro-Benzenamine)		1.4E-01	RfD		
108-90-7	D021, F001, F002, F003, F004, F005, F024, F025, F039, K015, K019, K085, K105, K149, K156, U037	Chlorobenzene (Monochlorobenzene)		1.0E-01	MCL		
510-15-6	F039, U038	Chlorobenzilate		7.0E-01	RfD		
124-48-1	F039	Chlorodibromomethane (Trihalomethane) (Dibromochloromethane)		4.0E-04	RSD		
----	K017	Chloroethers	2-Chloroethyl vinyl ether			3.0E-05	8021
111-91-1	F039, U024	bis (2 Chloroethoxy) methane (1,1'-[Methylenebis(oxy)]bis[2-chloroethane]) (Dichloromethoxy ethane)				1.0E-02	8270
110-75-8	U042	2-Chloroethyl vinyl ether (2-Chloroethoxy)ethene)				3.0E-05	8021
67-66-3	D022, F024, F025, F039, K009, K010, K019, K020, K021, K029, K073, K116, K117, K118, K136, K149, K150, K151, K156, K157, K158, U044	Chloroform (Trihalomethane) (Trichloromethane)		6.0E-03	RSD		
108-60-1 (39638-32-9)	F039, U027	bis-2-Chloroisopropyl ether (2,2'-oxybis[2-Chloropropane]) (Dichloroisopropyl ether) (bis(2-Chloro-1-methylethyl)ether)		1.4E+00	RfD		
59-50-7	F039, K001, U039	4-Chloro-m-cresol (4-Chloro-3-methylphenol) (p-Chloro-m-cresol)				2.0E-02	8270
74-87-3	F024, F025, F039, K009, K010, K018, K149, K150, K157, U045	Chloromethane (Methyl chloride)		5.0E-03	RSD		
107-30-2	U046	Chloromethyl methyl ether (Chloromethoxy-methane)				3.0E-05	8021
91-58-7	F039, U047	2-Chloronaphthalene (beta-Chloronaphthalene)		2.8E+00	RfD		
3165-93-3	U049	4-Chloro-o-toluidine, hydrochloride	5-Chloro-2-methylaniline			1.0E-02	8270
95-57-8	F039, K001, K105, U048	o-Chlorophenol (2 Chlorophenol)		1.8E-01	RfD		
5344-82-1	P026	1-(o-Chlorophenyl) thiourea (2-Chlorophenyl) thiourea)				7.4E-03	8325
126-99-8	F024, F025, F039	Chloroprene (2-Chloro-1,3-butadiene)				3.0E-05	8021
542-76-7	P027	beta-Chloropropionitrile (3-Chloropropanenitrile)				5.0E-03	8260

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218-01-9	F032, F034, F037, F038, F039, K001, K035, K048, K049, K051, K087, K088, K141, K142, K143, K144, K145, K147, K148, K169, K170, K171, U050	Chrysene				1.5E-03	8310
544-92-3	F006, F007, F008, F009, F010, F011, F012, F019, K007, P029	Copper cyanide (Cuprous cyanide)		1.8E-01	RfD		
8001-58-9	U051, K001, K035	Creosote, coal tar				1.0E-02	8270
8021-39-4	U051, K001, K035	Creosote, wood				1.0E-02	8270
120-71-8	F039, K181	p-Cresidine				1.0E-02	8270
1319-77-3	D026, F001, F002, F003, F004, F005, U052	Cresol, general (Cresylic acid) (Methyl phenol) (Tricresol)	p-Cresol			1.0E-02	8270
108-39-4	D024, F001, F002, F003, F004, F005, F039, K035, K052, U052	m-Cresol (3-Methylphenol)		1.8E+00	RfD		
95-48-7	D023, F001, F002, F003, F004, F005, F039, K035, K052, U052	o-Cresol (2-Methylphenol)		1.8E+00	RfD		
106-44-5	D025, F001, F002, F003, F004, F005, F039, K035, K052, U052	p-Cresol (4-Methylphenol)				1.0E-02	8270
123-73-9 (4170-30-3)	U053	Crotonaldehyde (2-Butenal) (beta-Methyl acrolein)				2.0E-03	8015
98-82-8	U055	Cumene (Isopropylbenzene)		3.5E+00	RfD		
64-00-6	P202	m-Cumenyl methylcarbamate (3-(Methylethyl)-phenol methyl carbamate) (Hercules AC-5727)				3.0E-04	8321

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----	F006, F007, F008, F009, F010, F011, F012, F019, F039, K007, K088, P030	Cyanide (complexed)				2.0E-01	9010
----	F006, F007, F008, F009, F010, F011, F012, F019, F039, K007, P030	Cyanide (salts)				2.0E-01	9010
----	F039, P030	Cyanides (soluble salts & complexes), N.O.S.				2.0E-01	9010
460-19-5	P031	Cyanogen (Ethanedinitrile)		1.4E+00	RfD		
506-68-3	U246	Cyanogen bromide		3.2E+00	RfD		
506-77-4	P033	Cyanogen chloride (Chlorine cyanide)		1.8E+00	RfD		
110-82-7	U056	Cyclohexane	Benzene			9.0E-05	8021
108-94-1	F001, F002, F003, F004, F005, F039, K083, K086, U057	Cyclohexanone		1.8E+02	RfD		
131-89-5	P034	2-Cyclohexyl-4,6-dinitrophenol		7.0E-02	RfD		
50-18-0	U058	Cyclophosphamide	Octamethylpyrophosphoramidate			2.0E-01	8270
94-75-7	D016, F039, K099, U240	2,4-D (2,4-Dichlorophenoxyacetic acid)		7.0E-02	MCL		
----	U240	2,4-D, salts, esters	2,4-D			2.0E-04	8151
20830-81-3	U059	Daunomycin (Daunorubicin)	1,4-Naphthoquinone			1.0E-02	8270
53-19-0	F039, U060, U061	o, p' - DDD	p,p' - DDD			1.0E-02	8270
72-54-8	F039, U060, U061	p, p' - DDD (p, p'-Dichlorodiphenyl dichloroethane)		1.0E-04	RSD		
3424-82-6	F039, U061	o, p' - DDE	p,p' - DDE			1.0E-02	8081
72-55-9	F039, U061	p, p' - DDE (p, p'-Dichlorodiphenyldichloroethylene)		1.0E-04	RSD		
789-2-6	F039, U061	o, p' - DDT	p,p' - DDT			6.0E-03	8081
50-29-3	F039, U061	p, p' - DDT (p, p'-Dichlorodiphenyltrichloroethane)		1.0E-04	RSD		
2303-16-4	U062	Diallate				6.0E-03	8081
53-70-3	U063, F032, F034, F039, K001, K035, K088, K141, K142, K144, K145, K147, K148, K170	Dibenz[a,h]anthracene (1,2:5,6-Dibenzanthracene)				3.0E-04	8310

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
192-65-4	F039	Dibenzo(a,e)pyrene				1.0E-02	8270
189-55-9	U064	Dibenzo[a,i]pyrene	Dibenzo[a,e]pyrene			1.0E-02	8270
96-12-8	F039, U066	Dibromochloropropane (1,2-Dibromo-3-chloropropane) (DBCP)		2.0E-04	MCL		
126-72-7	F039, U235	2,3-Dibromo-1-propanol phosphate(3:1) (Tris(2,3-dibromopropyl)phosphate) (Tris-BP)				3.0E-04	8321
84-74-2	F037, F038, F039, K048, K051, K086, U069	Dibutyl phthalate (n-Butyl phthalate)		3.5E+00	RfD		
25321-22-6	F024, F025, K085, K105	Dichlorobenzene	o-Dichlorobenzene			2.0E-04	8021
541-73-1	F024, F039, K085, K096, K105, U071	m-Dichlorobenzene (1,3-Dichlorobenzene)		6.0E-01	MCL		
95-50-1	F001, F002, F003, F004, F005, F024, F039, K030, K042, K085, K086, K105, K156, U070	o-Dichlorobenzene (1,2-Dichlorobenzene)		6.0E-01	MCL		
106-46-7	D027, F024, F039, K019, K030, K042, K085, K105, K149, K150, U072	p-Dichlorobenzene (1,4-Dichlorobenzene)		7.5E-02	MCL		
91-94-1	U073	3,3'-Dichlorobenzidine		8.0E-05	RSD		
1476-11-5	U074	cis-1, 4-Dichloro-2 butene				5.0E-03	8260
764-41-0	U074	trans-1,4 - Dichloro -2- butene				5.0E-03	8260
75-71-8	F039, U075	Dichlorodifluoromethane		7.0E+00	RfD		
75-35-4	D029, U078, F024, F025, F039, K019, K020, K029	1,1-Dichloroethene (1,1-Dichloroethylene) (Vinylidene chloride)		7.0E-03	MCL		
156-59-2	F039, K073, U079	1,2-Dichloroethene (Dichloroethylene) (Acetylene dichloride) (1,2-Dichloroethylene) (cis-1,2-Dichloroethylene)		7.0E-02	MCL		
156-60-5	F024, F025, F039, K028, U079	trans-1,2-Dichloroethylene		1.0E-01	MCL		
111-44-4	F039, K017, K019, U025	sym-Dichloroethyl ether (1-1'-Oxybis[2-chloroethane]) (Bis(2-Chloroethyl) ether)		3.0E-05	RSD		
542-88-1	P016, K017	sym-Dichloromethyl ether (Oxybis[chloromethane] (bis(Chloromethyl) ether)		1.6E-07	RSD		
120-83-2	F039, K043, K099, U081	2,4-Dichlorophenol		1.1E-01	RfD		
87-65-0	F039, K043, U082	2,6-Dichlorophenol				1.0E-02	8270
696-28-6	P036	Dichlorophenylarsine (Phenylarsonous dichloride)	Arsenic			1.0E-03	7060
26638-19-7	F024, F025	Dichloropropane	1,2-Dichloropropane			6.0E-05	8021
26545-73-3	K017	Dichloropropanol	1,2-Dichloropropane			6.0E-05	8021
26952-23-8	F024, F025	Dichloropropene	1,3-Dichloropropene			3.0E-05	8021

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542-75-6	U084	1,3-Dichloropropene (1,3-Dichloro-1-propene)		1.1E-02	RfD		
10061-01-5	F024, F039, U084	cis - 1,3 - Dichloropropene				3.0E-05	8021
10061-02-6	F024, F039, U084	trans - 1, 3 - Dichloropropene				3.0E-05	8021
60-57-1	F039, P037	Dieldrin		2.0E-06	RSD		
1464-53-5	U085	1,2:3,4-Diepoxybutane				5.0E-03	8260
692-42-2	P038	Diethylarsine	Arsenic			1.0E-03	7060
123-91-1	F039, U108	1,4-Diethylenedioxiide (Dioxane) (1, 4-Dioxane)		3.0E-03	RSD		
5952-26-1	U395	Diethylene glycol, dicarbamate (2,2'-oxybis-Ethanol dicarbamate) (Reactacrese 4-DEG)				3.0E-04	8321
1615-80-1	U086	N,N'-Diethylhydrazine (1,2-Diethylhydrazine)	1,2 Diphenyl hydrazine			1.0E-02	8270
297-97-2	P040	O,O-Diethyl O-pyrazinyl phosphorothioate (Phosphorothioic acid O,O-diethyl O-pyrazinyl ester) (Thionazin)				4.0E-04	8141
84-66-2	F039, K086, U088	Diethyl phthalate		2.8E+01	RfD		
311-45-5	P041	Diethyl-p-nitrophenyl phosphate (Phosphoric acid diethyl 4-nitropheny ester) (Paraoxon)	Parathion			1.0E-02	8270
3288-58-2	U087	O,O-Diethyl S-methyl dithiophosphate (O,O-diethyl S-methyl ester phosphorodithioic acid)				1.0E-02	8270
56-53-1	U089	Diethylstilbesterol (DES) (4,4-(1,2-diethyl-1,2-ethenediyl)bis-phenol)				2.0E-02	8270
94-58-6	U090	Dihydrosafrole				1.0E-02	8270
55-91-4	P043	Diisopropylfluorophosphate (Phosphorofluoridic acid bis (1 - methylethyl)ester) (DFP) (Isofluorophate)	Tri-p-tolyl phospate			1.0E-02	8270
60-51-5	P044	Dimethoate (Phosphorodithioic acid O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester)		7.0E-03	RfD		
119-90-4	U091	3,3'-Dimethoxybenzidine (Dianisidine)				7.7E-03	8325
124-40-3	U092	Dimethylamine (N-Methylmethanamine)	N-propylamine			5.0E-03	8260
60-11-7	U093	p-Dimethylaminoazobenzene				1.0E-02	8270
95-68-1	F039, K181	2,4-Dimethylaniline (2,4-xylidine)				1.0E-02	8270
57-97-6	U094	7,12-Dimethylbenz[a] anthracene (9,10-Dimethyl-1,2-benzanthracene)				1.0E-02	8270
119-93-7	U095	3,3'-Dimethylbenzidine (o-Tolidine)				3.3E-03	8325
80-15-9	U096	alpha,alpha-Dimethylbenzylhydroperoxide (1-Methyl-1-phenylethylhydroperoxide)	Benzyl alcohol			2.0E-02	8270

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
79-44-7	U097	Dimethylcarbamoyl chloride	Diallate			1.0E-02	8270
57-14-7	K107, K108, K109, K110, U098	1,1-Dimethylhydrazine (UDMH)	1,2 Diphenyl hydrazine			1.0E-02	8270
540-73-8	U099	1,2-Dimethylhydrazine	1,2 Diphenyl hydrazine			1.0E-02	8270
122-09-8	P046	alpha, alpha-Dimethylphenethylamine (alpha, alpha-Dimethylbenzeneethanamine) (Phentermine)				1.0E-02	8270
105-67-9	F032, F039, K001, K049, K052, U101	2,4-Dimethylphenol		7.0E-01	RfD		
131-11-3	F039, K086, U102	Dimethyl phthalate				6.4E-03	8061
77-78-1	U103, K131	Dimethyl sulfate (Sulfuric acid dimethyl ester)				1.0E-02	8270
644-64-4	P191	Dimetilan (Dimethylcarbamic acid 1-[(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester)				3.0E-04	8321
100-25-4	F039	1,4 - Dinitrobenzene (p-Dinitrobenzene)				4.0E-02	8270
99-65-0	K025	m-Dinitrobenzene		3.5E-03	RfD		
534-52-1	F039, P047	4,6-Dinitro-o-cresol and salts (Dinitrocresol and salts) (2-Methyl-4, 6-dinitrophenol) (4, 6-Dinitro-2-methylphenol)				5.0E-02	8270
51-28-5	F039, K001, K103, K104, P048	2,4-Dinitrophenol		7.0E-02	RfD		
121-14-2	D030, F039, U105, K025, K111	2,4-Dinitrotoluene		2.0E-03	RSD		
606-20-2	F039, K111, U106	2,6-Dinitrotoluene				3.1E-04	8330
117-84-0	F039, K086, U107	Di-n-octyl phthalate				4.9E-04	8061
88-85-7	F039, P020	Dinoseb (2-(1-Methylpropyl)-4,6-dinitrophenol) (2-sec-butyl-4, 6-dinitrophenol)		7.0E-03	MCL		
621-64-7	F039, U111	Di-n-propylnitrosamine (N-nitroso-N-propyl-1-propanamine)		5.0E-06	RSD		
122-39-4	F039, K022, K083, K104	Diphenylamine		8.8E-01	RfD		
122-66-7	F039, U109	1,2-Diphenylhydrazine		5.0E-05	RSD		
86-30-6	F039, K022, K083	Diphenylnitrosoamine (N-Nitrosodiphenylamine)		7.0E-03	RSD		
142-84-7	U110	Dipropylamine (n-Dipropylamine) (N-Propyl-1-propanamine)	n-Propylamine			5.0E-03	8260
298-04-4	F039, K036, K037, P039	Disulfoton (Phosphorodithioic acid O,O-diethyl S-[2-ethylthio]ethyl] ester)		1.4E-03	RfD		
----	P196, P205, K161	Dithiocarbamates (total)				9.0E-04	630.1
115-29-7	P050	Endosulfan		2.1E-01	RfD		
939-98-8	F039, P050	Endosulfan I				1.0E-02	8270
33213-6-5	F039, P050	Endosulfan II				9.0E-03	8081

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1031-7-8	F039, P050	Endosulfan sulfate				6.0E-03	8081
145-73-3	P088	Endothall (7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid)		1.0E-01	MCL		
72-20-8	D012, F039, P051	Endrin		2.0E-03	MCL		
7421-93-4	D012, F039, P051	Endrin aldehyde				8.0E-03	8081
----	P051	Endrin metabolites	Endrin			1.0E-02	8270
106-89-8	U041, K017	Epichlorohydrin (Chloromethyloxirane) (n-Chloro-2, 3-epoxypropane)		3.0E-03	RSD		
51-43-4	P042	Epinephrine (4-[1-Hydroxy-2-(methylamino)ethyl]-1-2-benzenediol)	o-Cresol			1.0E-02	8270
759-94-4	K159	EPTC (Dipropylcarbamothioic acid S-ethyl ester) (Eptam) (S-Ethyl dipropylthiocarbamate)		8.8E-01	RfD		
110-80-5	F001, F002, F003, F004, F005, U359	2-Ethoxyethanol (Ethylene glycol monoethyl ether)				5.0E-03	8260
141-78-6	F001, F002, F003, F004, F005, F039, K086, U112	Ethyl acetate (Acetic acid ethyl ester)		3.2E+01	RfD		
140-88-5	U113	Ethyl acrylate (2-Propenoic acid ethyl ester)	Vinyl acetate			5.0E-02	8260
100-41-4	F001, F002, F003, F004, F005, F037, F038, F039, K048, K049, K051, K052, K086, K169, K170, K171, K172	Ethyl benzene		7.0E-01	MCL		
51-79-6	U238	Ethyl carbamate (Urethan)				5.0E-02	8270
75-00-3	F039, K018	Ethyl chloride (Chloroethane)				1.0E-03	8021
111-54-6	U114	Ethylenebisdithiocarbamic acid	Diallate			6.0E-03	8081
----	U114	Ethylenebisdithiocarbamic acids salts & esters	Ethyl carbamate			5.0E-02	8270
106-93-4	F039, K117, K118, K136 U067	Ethylene dibromide (1,2-dibromoethane)		5.0E-05	MCL		
107-06-2	D028, F024, F025, F039, K018, K019, K020, K029, K030, K096, U077	Ethylene dichloride (1,2-Dichloroethane) (Ethylene chloride)		5.0E-03	MCL		
151-56-4	P054	Ethyleneimine (Aziridine)	N-Propylamine			5.0E-03	8260
75-21-8	F039, U115	Ethylene oxide (Oxirane)				5.0E-03	8260
96-45-7	U116, K123, K124, K125, K126	Ethylene thiourea (2-Imidazolidinethione)		2.8E-03	RfD		
60-29-7	F001, F002, F003, F004, F005, F039, U117	Ethyl ether (1,1'-Oxybis-ethane) (Diethyl ether)		7.0E+00	RfD		

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117-81-7	F024, F037, F038, F039, K048, K049, K051, K086, U028	bis(2-Ethylhexyl)phthalate (bis(2-Ethylhexyl) ester 1,2-benzenedicarboxylic acid) (Di (2-ethylhexyl) phthalate)		6.0E-03	MCL		
75-34-3	F024, F025, F039, K018, K028, U076	Ethylidene chloride (Ethylidene dichloride) (1,1 Dichloroethane)				7.0E-04	8021
97-63-2	F039, U118	Ethyl methacrylate (Ethyl ester 2-propenoic acid)				5.0E-03	8260
62-50-0	U119	Ethyl methanesulfonate (Methanesulfonic acid ethyl ester)				2.0E-02	8270
52-85-7	F039, P097	Famphur (Phosphorothioic acid O-[4-[(dimethylamino) sulfonyl] phenyl] O,O-dimethyl ester)				3.0E-04	8321
206-44-0	F039, K001, K035, K087, K088, U120	Fluoranthene		1.4E+00	RfD		
86-73-7	F032, F034, F037, F038, F039, K019, K035, K048, K051, K169, K170	9H-Flourene		1.4E+00	RfD		
16984-48-8	F039, K088, P056, U134	Fluoride		4.0E+00	MCL		
7782-41-4	P056	Fluorine		2.1E+00	RfD		
640-19-7	P057	Fluoroacetamide (2-fluoro-acetamide)	1,4-Difluorobenzene			5.0E-03	8260
62-74-8	P058	Fluoroacetic acid, sodium salt		7.0E-04	RfD		
50-00-0	U122, K009, K010, K038, K040, K156, K157	Formaldehyde		7.0E+00	RfD		
23422-53-9	P198	Formetanate hydrochloride (N,N-dimethyl-N'-[3-[[[(methylamino)carbonyl]oxy]phenyl]-methanimidamide monohydrochloride)				3.0E-04	8321
64-18-6	U123, K009, K010	Formic acid				1.0E-02	8270
17702-57-7	P197	Formparanate (N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]-methanimidamide)				3.0E-04	8321
110-00-9	U124	Furan (Furfuran)		3.5E-02	RfD		
98-01-1	U125	Furfural (2-Furancarboxaldehyde)		1.1E-01	RfD		
765-34-4	U126	Glycidylaldehyde (Oxiranecarboxyaldehyde)		1.4E-02	RfD		
76-44-8	D031, F039, K032, K097, P059	Heptachlor		4.0E-04	MCL		
1024-57-3	D031, F039, K032, K097, P059	Heptachlor epoxide		2.0E-04	MCL		
----	D031	Heptachlor epoxide (alpha, beta & gamma isomers)				1.0E-02	8270
67562-39-4	F039, K174, K178	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)				2.5E-05	8280
55673-89-7	F039, K174, K178	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)				2.5E-05	8280

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35822-46-9	F039, K174, K178	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)				2.5E-05	8280
118-74-1	D032, F024, F025, F039, K016, K018, K030, K042, K085, K149, K150, K151, U127	Hexachlorobenzene		1.0E-03	MCL		
87-68-3	D033, F024, F025, F039, K016, K018, K028, K030, U128	Hexachlorobutadiene (1,1,2,3,4,4-Hexachloro-1,3-butadiene) (Hexachloro-1,3-butadiene)		5.0E-04	RSD		
77-47-4	F024, F025, K032, F039, K016, K033, K034, K097, U130	Hexachlorocyclopentadiene (1,2,3,4,5,5-hexachloro-1,3-Cyclopentadiene)		5.0E-02	MCL		
55684-94-1	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Hexachlorodibenzofurans, total (HxCDF)				2.5E-05	8280
34465-46-8	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Hexachlorodibenzo-p-dioxins (HxCDD)				2.5E-05	8280
67-72-1	D034, F024, F025, F039, K016, K018, K019, K028, K030, K073, K095, U131	Hexachloroethane		3.5E-02	RfD		
70-30-4	U132	Hexachlorophene (2,2'-Methylenebis[3,4,6-trichlorophenol])		1.1E-02	RfD		
1888-71-7	F039, K030, U243	Hexachloropropene (1,1,2,3,3,3-Hexachloro-1-propene)				1.0E-02	8270
757-58-4	P062	Hexaethyl tetraphosphate (Hexaethyl ester tetraphosphoric acid)	Hexamethyl phosphoramidate			4.0E-04	8141
18540-29-9	F006, F019, K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K061, K062, K069, K086, K100	Hexavalent chromium		1.8E-01	RfD		
302-01-2	U133	Hydrazine (Hydrazine sulfate (CAS=10034-93-2))		1.0E-05	RSD		
74-90-8	K011, K013, K014, P063	Hydrogen cyanide (Hydrocyanic acid)		7.0E-01	RfD		
7664-39-3	U134	Hydrogen fluoride (Hydrofluoric acid)		4.0E+00	MCL (2)		
7783-06-4	U135	Hydrogen sulfide (Sulfide)		1.1E-01	RfD		
193-39-5	F032, F034, F039, K001, K035, K087, K088, K141, K142, K147, K148, U137	Indeno[1,2,3-cd] pyrene				4.3E-04	8310
78-83-1	F001, F002, F003, F004, F005, F039, U140	Isobutanol (Isobutyl alcohol) (2-Methyl-1-propanol)		1.1E+01	RfD		

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
465-73-6	F039, P060	Isodrin				6.0E-03	8081
119-38-0	P192	Isolan (Dimethylcarbamic acid 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester)				3.0E-04	8321
120-58-1	F039, U141	Isosafrole				1.0E-02	8270
143-50-0	F039, U142	Kepone				2.0E-02	8270
303-34-4	U143	Lasiocarpine	N-Nitrosopyrrolidine			4.0E-02	8270
7439-92-1	D008, F006, F007, F008, F009, F011, F012, F035, F037, F038, F039, K001, K002, K003, K004, K005, K006, K007, K008, K028, K046, K048, K049, K050, K051, K052, K061, K062, K069, K086, K087, K088, K100, K101, K102, K161, K176, K177, P110, U051, U144, U145, U146	Lead				1.0E-03	7421
301-04-2	U144	Lead acetate (Lead (2+) salt acetic acid)	Lead			1.0E-03	7421
7446-27-7	U145	Lead phosphate	Lead			1.0E-03	7421
1335-32-6	U146	Lead subacetate (Bis(acetato-O) tetrahydroxytrilead)	Lead			1.0E-03	7421
58-89-9	D013, F024, F039, U129	Lindane (gamma Hexachlorocyclohexane) (gamma-BHC)		2.0E-04	MCL		
108-31-6	U147, K023, K093	Maleic anhydride (2,5-Furandione)		3.5E+00	RfD		
123-33-1	U148	Maleic hydrazide (1,2-Dihydro-3,6-Pyridizinedione)		1.8E+01	RfD		
109-77-3	U149	Malononitrile (Propanedinitrile)				5.0E-03	8260
15339-36-3	K161, P196	Manganese dimethyldithiocarbamate (bis(Dimethylcarbamo-dithioato-S,S')-manganese)				9.0E-04	630.1
148-82-3	U150	Melphalan (4-[bis(2-Chloroethyl)amino]-L-phenylalanine)	p-Phenylenediamine			1.0E-02	8270
7439-97-6	D009, F039, K061, K071, K088, K101, K102, K106, K175, K176, P065, P092, U151	Mercury		2.0E-03	MCL		
628-86-4	P065	Mercury fulminate	Mercury			1.0E-04	7472
126-98-7	F039, U152	Methacrylonitrile (2-Methyl-2-propenitrile)		3.5E-03	RfD		
137-42-8	K161	Metham sodium (Methylcarbamo-dithioic acid monosodium salt)				3.1E-03	630.1
67-56-1	F001, F002, F003, F004, F005, F039, K086, U154	Methanol (Methyl Alcohol)		1.8E+01	RfD		
91-80-5	F039, U155	Methapyrilene				1.0E-01	8270

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2032-65-7	P199	Methiocarb (3,5-Dimethyl-4-(methylthio)phenol methylcarbamate) (Mesurool)				5.0E-04	8321
16752-77-5	K156, K157, P066	Methomyl		8.8E-01	RfD		
72-43-5	D014, F039, U247	Methoxychlor		4.0E-02	MCL		
74-83-9	F039, K117, K118, K131, K132, K136, U029	Methyl bromide (Bromomethane)		4.9E-02	RfD		
79-22-1	U156	Methyl chlorocarbonate	Chloroacetaldehyde			5.9E-04	8315
56-49-5	F039, U157	3-Methylcholanthrene (1,2-Dihydro-3-methyl-benz [j] aceanthrylene)				1.0E-02	8270
101-14-4	F039, U158	4,4'-Methylenebis(2-chloroaniline)				1.0E-02	8270
74-95-3	F039, U068	Methylene bromide (Dibromomethane)				5.0E-03	8260
75-09-2	F001, F002, F003, F004, F005, F024, F025, F039, K009, K101, K086, K156, K157, K158, U080	Methylene chloride (Dichloromethane)		5.0E-03	MCL		
78-93-3	D035, F001, F002, F003, F004, F005, F039, K086, K156, K157, U159	Methyl ethyl ketone (MEK) (2-Butanone)		2.1E+01	RfD		
1338-23-4	U160	Methyl ethyl ketone peroxide	MEK			5.0E-03	8260
60-34-4	P068	Methylhydrazine	1,2-Diphenylhydrazine			1.0E-02	8270
74-88-4	F039, U138	Methyl iodide (Iodomethane)				5.0E-03	8260
108-10-1	F001, F002, F003, F004, F005, F039, K086, U161	Methyl isobutyl ketone (4-Methyl-2-pentanone)				2.0E-03	8015
624-83-9	P064	Methyl isocyanate (Isocyanatomethane)	Toluene diisocyanates			1.0E-02	8270
75-86-5	P069	2-Methylactonitrile (2-Hydroxy-2-methylpropanetrile) (Acetone cyanohydrin)	Propionitrile			5.0E-03	8260
80-62-6	F039, U162	Methyl methacrylate (Methyl ester 2-propanoic acid)				5.0E-03	8260
66-27-3	F039	Methyl methanesulfonate				1.0E-02	8270
298-00-0	F039, P071	Methyl parathion (0,0-Dimethyl-(4-nitrophenyl)ester phosphorothioic acid)		8.8E-03	RfD		
56-04-2	U164	Methylthiouracil (2,3-Dihydro-6-methyl 2-thioxo-4(1H)-pyrimidinone)	Propylthiouracil			1.0E-01	8270
1129-41-5	P190	Metolcarb (Methylcarbamic acid 3-methylphenyl ester)				3.0E-04	8321
315-18-4	P128	Mexacarbate (4-(Dimethylamino)-3,5-dimethyl phenol methylcarbamate (ester))				4.2E-03	8321
50-07-7	U010	Mitomycin C	1,4-Napthoquinone			1.0E-02	8270
70-25-7	U163	MNNG (N-methyl-N'-nitro-N-nitroso-guanidine)	N-Nitrosodimethylamine			1.5E-04	8070
2212-67-1	K159	Molinate (Hexahydro-1H-azepine-1-carbothioic acid S-ethyl ester)		7.0E-02	RfD		

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91-20-3	F024, F025, F032, F034, F037, F038, F039, K001, K019, K035, K048, K049, K051, K052, K060, K086, K087, K145, K156, U051, U165	Naphthalene				6.0E-04	8021
130-15-4	U166, K024	1,4-Naphthoquinone (1,4-Naphthalenedione)				1.0E-02	8270
134-32-7	U167	alpha-Naphthylamine (1-Naphthalenamine)				1.0E-02	8270
91-59-8	F039, U168	beta-Naphthylamine (2-Naphthalenamine)				1.0E-02	8270
86-88-4	P072	alpha-Naphthylthiourea (1-Naphthalenylthiourea)	Ethylene thiourea			1.0E-02	8270
7440-02-0	F006, F007, F008, F009, F011, F012, F024, F037, F038, F039, K015, K022, K028, K048, K049, K050, K051, K052, K061, K062, K083, K088, K115, K161, P073, P074	Nickel				1.0E-03	7521
13463-39-3	P073	Nickel carbonyl (((T-4)-Nickel carbonyl Ni(CO)4 Nickel cyanide)	Nickel			1.0E-03	7521
557-19-7	P074	Nickel cyanide (Nickel cyanide Ni(CN)2)	Nickel			1.0E-03	7521
54-11-5	P075	Nicotine (3-(1-Methyl-2-pyrrolidinyl)pyridine)				2.0E-02	8270
----	P075	Nicotine salts (3-(1-Methyl-2-pyrrolidinyl)pyridine salts)				2.0E-02	8270
10102-43-9	P076	Nitric oxide	Nitrites	3.5E+00	RfD		
88-74-4	K101	o-Nitroaniline (2-Nitroaniline)				1.0E-02	8131
100-01-6	F039, P077	p-Nitroaniline (4-Nitroaniline)				2.0E-02	8270
98-95-3	D036, F001, F002, F003, F004, F005, F039, K083, K086, K103, K104, U169	Nitrobenzene		1.8E-02	RfD		
10102-44-0	P078	Nitrogen dioxide	Nitrites	3.5E+00	RfD		
55-63-0	P081	Nitroglycerin (1,2,3-Propanetriol trinitrate)	2-Nitropropane			5.0E-03	8260
99-55-8	F039, U181	5-Nitro-o-toluidine				1.0E-02	8270
88-75-5	K102	o-Nitrophenol (2-Nitrophenol)				1.0E-02	8270
100-02-7	F039, U170	p-Nitrophenol (4-Nitrophenol)				1.3E-04	8151
79-46-9	F001, F002, F003, F004, F005, U171	2-Nitropropane				5.0E-03	8260

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1116-54-7	U173	N-Nitrosodiethanolamine (2,2'-Nitrosoimino) bis ethanol		1.0E-05	RSD		
55-18-5	F039, U174	N-Nitrosodiethylamine (Diethyl nitrosamine) (N-Ethyl-N-nitrosoethanamine)		2.0E-07	RSD		
62-75-9	F039, P082	N-Nitrosodimethylamine (N-Methyl-N-nitroso-methanamine)		7.0E-07	RSD		
924-16-3	F039, U172	N-Nitrosodi-n-butylamine (Dibutylnitrosamine)		6.0E-06	RSD		
10595-95-6	F039	N-Nitrosomethylethylamine		2.0E-06	RSD		
4549-40-0	P084	N-Nitrosomethylvinylamine (N-Methyl-N-nitroso-vinylamine)	N-Nitrosodimethylamine			1.5E-04	8070
59-89-2	F039	N-Nitrosomorpholine				1.0E-02	8270
759-73-9	U176	N-Nitroso-N-ethylurea (N-Ethyl-N-Nitrosoourea)	N-Nitrosodiethylamine			2.0E-02	8270
684-93-5	U177	N-Nitroso-N-methylurea (N-Methyl-N-nitrosoourea)	N-Nitrosodimethylamine			1.5E-04	8070
615-53-2	U178	N-Nitroso-N-methylurethane	N-Nitrosodimethylamine			1.5E-04	8070
100-75-4	F039, U179	N-Nitrosopiperidine (1-Nitroso-piperidine)				2.0E-02	8270
930-55-2	F039, U180	N-Nitrosopyrrolidine		2.0E-05	RSD		
39001-02-0	F039, K174, K178	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)				5.0E-05	8280
3268-87-9	F039, K174, K178	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)				5.0E-05	8280
152-16-9	P085	Octamethyldiphosphoramidate (Octamethylpyrophosphoramidate) (Schradan)				2.0E-01	8270
20816-12-0	P087	Osmium oxide OsO4 (Osmium tetroxide)	Osmium			3.0E-01	7550
23135-22-0	P194	Oxamyl (2-(Dimethylamino)-N-[(methylamino)carbonyloxy]-2-oxoethanimidothioic acid methyl ester)		2.0E-01	MCL		
123-63-7	U182, K009, K010, K026	Paraldehyde (2,4,6-trimethyl-1,3,5-trioxane)				2.0E-03	8015
56-38-2	F039, P089	Parathion (Phosphorothioic acid O,O-diethyl O-(4-nitrophenyl) ester)				6.0E-04	8141
1114-71-2	K159	Pebulate (Butylethyl carbamothioic acid S-propyl ester)				8.0E-04	634
608-93-5	F024, F025, F039, K030, K042, K085, K149, K150, K151, U183	Pentachlorobenzene		2.8E-02	RfD		
30402-15-4	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Pentachlorodibenzofurans, total (PeCDF)				2.5E-05	8280

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36088-22-9	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Pentachlorodibenzo-p-dioxins, total (PeCDD)				2.5E-05	8280
76-01-7	F024, F025, K018, K028, K030, K095, K096, U184	Pentachloroethane				5.0E-03	8260
82-68-8	F039, U185	Pentachloronitrobenzene (PCNB)		1.1E-01	RfD		
87-86-5	D037, F021, F022, F023, F026, F027, F028, F032, F039, K001, K043, U051	Pentachlorophenol		1.0E-03	MCL		
----	F021, F027, F028	Pentachlorophenols and their chlorophenoxy derivative acids, esters, amines and salts	Pentachlorophenol			7.6E-05	8151
504-60-9	U186	1,3-Pentadiene (1-Methylbutadiene)	Chloroprene			3.0E-05	8021
62-44-2	F039, U187	Phenacetin (N-(4-Ethoxyphenyl) acetamide)				2.0E-02	8270
85-01-8	F032, F034, F037, F038, F039, K001, K015, K019, K035, K048, K049, K051, K052, K087, K088, U051	Phenanthrene				6.4E-03	8310
108-95-2	F032, F037, F038, F039, K001, K022, K035, K048, K049, K050, K051, K052, K060, K083, K087, K103, K104, K105, K156, K158, U188	Phenol		2.1E+01	RfD		
----	K060,	Phenolic compounds	Phenol			1.0E-02	8270
25265-76-3	K083, K103, K104	Phenylenediamine (Benzenediamine)	p-Phenylenediamine			1.0E-02	8270
95-54-5	K157, K181	o-Phenylenediamine	p-phenylenediamine			1.0E-02	8270
108-45-2	F039, K181	1,2-Phenylenediamine		2.1E-01	RfD		
62-38-4	P092	Phenylmercury acetate ((Aceto-O)phenylmercury)		2.8E-03	RfD		
103-85-5	P093	Phenylthiourea	Ethylene thiourea			1.0E-02	8270
298-02-2	F039, P094, K036, K037, K038, K039, K040	Phorate (Phosphorodithioic acid O,O-diethyl S-[(ethylthio)methyl] ester)				3.0E-04	8321
75-44-5	P095, K116	Phosgene (Carbonic dichloride)	Methylene chloride			2.0E-04	8021
7803-51-2	P096	Phosphine (Hydrogen phosphide)		1.1E-02	RfD		
----	K036, K037, K038, K039, K040	Phosphorothioic and phosphordithioic acid esters	Phorate			3.0E-04	8321
85-44-9 (100-21-0)	F039, K023, K024, K093, K094, U190	Phthalic anhydride (1,3-Isobenzofurandione) (Terephthalic acid)		7.0E+01	RfD		

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57-47-6	P204	Physostigmine ((3aS-cis)-1,2,3,3a,8,8a-Hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate (ester))				3.0E-04	8321
57-64-7	P188	Physostigmine salicylate (2-Hydroxy-benzoic acid compd. with (3aS-cis)-1,2,3,3a,8,8a-haxahydro-1-3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1))				3.0E-04	8321
109-06-8	U191, K026	2-Picoline (2-Methylpyridine) (alpha-Picoline)				2.0E-03	8015
1336-36-3 (12674-11-2) (11104-28-2) (11141-16-5) (53469-21-9) (12672-29-6) (11097-69-1) (11096-82-5)	F039, K085	Polychlorinated Biphenyls (PCBs) (Aroclor 1016) (Aroclor 1221) (Aroclor 1232) (Aroclor 1242) (Aroclor 1248) (Aroclor 1254) (Aroclor 1260)		5.0E-04	MCL		
151-50-8	P098	Potassium cyanide		1.8E+00	RfD		
506-61-6	P099	Potassium silver cyanide (Potassium Bis(cyano-C-)argentate(1-))		7.0E+00	RfD		
2631-37-0	P201	Promecarb (3-Methyl-5-(1-methylethyl)phenol methyl carbamate)				2.5E-03	8318
23950-58-5	F039, U192	Pronamide (Kerb) (Propyzamide) (3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzimidazole)		2.6E+00	RfD		
107-12-0	F039, P101	Propanenitrile (Propionitrile) (Ethyl cyanide)				5.0E-03	8260
1120-71-4	U193	1,3-Propane sultone (2,2-Dioxide 1,2-oxathiolane)	Ethylene thiourea			1.0E-02	8270
107-19-7	P102	Propargyl alcohol (2-Propyn-1-ol)		7.0E-02	RfD		
122-42-9	U373	Propham (Phenylcarbamic acid 1-methylethyl ester)		7.0E-01	RfD		
114-26-1	U411	Propoxur (2-(1-Methylethoxy)phenol methylcarbamate) (Baygon)		1.4E-01	RfD		
107-10-8	U194	n-Propylamine (1-Propanimide)				5.0E-03	8260
78-87-5	F024, F039, K017, U083	Propylene dichloride (1,2-dichloropropane)		5.0E-03	MCL		
75-55-8	P067	1,2-Propylenimine (2-methyl-aziridine)	n-Propylamine			5.0E-03	8260
52888-80-9	U387	Prosulfocarb (Dipropyl-carbamothioic acid S-(phenylmethyl) ester)				6.0E-04	634

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129-00-0	F032, F034, F037, F038, F039, K001, K035, K048, K049, K051, K088, U051	Pyrene		1.1E+00	RfD		
110-86-1	D038, F001, F002, F003, F004, F005, F039, K026, K156, K157, U196	Pyridine		3.5E-02	RfD		
50-55-5	U200	Reserpine				3.0E-04	8321
108-46-3	U201	Resorcinol				1.0E-01	8270
94-59-7	F039, U203	Safrole				1.0E-02	8270
7782-49-2	D010, F039, K061, K088, K161, P103, P114, U204, U205	Selenium		5.0E-02	MCL		
7746-08-4	U204	Selenium oxide (Selenium dioxide)	Selenium			2.0E-03	7741
7488-56-4	U205	Selenium sulfide	Selenium			2.0E-03	7741
7783-00-8	U204	Selenious acid (Monohydrated selenium dioxide)		1.8E-01	RfD		
630-10-4	P103	Selenourea	Selenium			2.0E-03	7741
7440-22-4	D011, F006, F007, F008, F009, F011, F012, F039, K061, K088, P099, P104	Silver		1.8E-01	RfD		
506-64-9	P104	Silver cyanide		3.5E+00	RfD		
93-72-1	F027, F039, D017	Silvex (listed as 2,4,5-TP in 261; 2,4,5-TC in MERCK) (2-(2,4,5-trichlorophenoxy)-propanoic acid)		5.0E-02	MCL		
26628-22-8	P105	Sodium azide		1.4E-01	RfD		
143-33-9	F006, F007, F008, F009, F010, F011, F012, P106	Sodium cyanide		1.4E+00	RfD		
18883-66-4	U206	Streptozotocin	N-Nitrosodi-methylamine			1.5E-04	8070
57-24-9	P108	Strychnine and strychnine salts (Strychnidin-10-one and strychnine-10-one salts)		1.1E-02	RfD		
8496-25-8	F039	Sulfide, total				1.0E+00	9215
1314-80-3	U189	Sulfur phosphide (Phosphorous sulfide (R))	Phorate			3.0E-04	8321
93-76-5	F039	2,4,5-T ((2,4,5-Trichlorophenoxy)acetic acid)		3.5E-01	RfD		
----	K022	Tars (Polycyclic aromatic hydrocarbons)	Dibenz (a,h)anthracene			3.0E-04	8310
----	F024, F025, K085	Tetrachlorobenzene	1,2,4,5-Tetrachlorobenzene	1.1E-02	RfD(3)		
95-94-3	F039, K019, K030, K042, K085, K149, K150, K151, U207	1,2,4,5-Tetrachlorobenzene		1.1E-02	RfD		
51207-31-9	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Tetrachlorodibenzofurans (TCDF)				1.0E-05	8280

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
1746-01-6	F020, F021, F022, F023, F026, F027, F028, F032, F039, K043, K099, K174, K178	Tetrachlorodibenzo-p-dioxins (TCDD)		3.0E-08	MCL		
630-20-6	F024, F025, F039, K019, K020, K028, K030, K095, K096, U208	1,1,1,2-Tetrachloroethane		1.0E-03	RSD		
79-34-5	F024, F025, F039, K019, K020, K028, K030, K073, K095, K096, K150, U209	1,1,2,2-Tetrachloroethane		2.0E-04	RSD		
127-18-4	D039, F001, F002, F003, F004, F005, F024, F025, F039, K016, K019, K020, K028, K030, K043, K073, K095, K096, K116, K150, K151, U210	Tetrachloroethylene (Tetrachloroethene) (Perchloroethylene)		5.0E-03	MCL		
58-90-2	F020, F021, F022, F023, F026, F027, F028, F032, F039, K001, K043	2,3,4,6-Tetrachlorophenol		1.1E+00	RfD		
----	F020, F023, F027, F028, K001	Tetrachlorophenols and their chlorophenoxy derivative acids, esters, amines and salts	2,4,6 Trichlorophenol			1.0E-02	8270
3689-24-5	P109	Tetraethyldithiopyrophosphate (Tetraethyl ester thiodiphosphoric acid)		1.8E-02	RfD		
78-00-2	P110	Tetraethyl lead (Tetraethyl-plumbane)		3.5E-06	RfD		
107-49-3	P111	Tetraethyl pyrophosphate (Tetra ester diphosphoric acid)				4.0E-02	8270
109-99-9	U213	Tetrahydrofuran	4-Methyl-2-pentanone			2.0E-03	8015
509-14-8	P112	Tetranitromethane	2-Nitropropane			5.0E-03	8260
1314-32-5	P113	Thallic oxide	Thallium			1.0E-03	7841
7440-28-0	F039, K061, K178, P113, P115, U214, U215, U216, U217	Thallium		2.0E-03	MCL		
563-68-8	U214	Thallium(I) acetate		3.2E-03	RfD		
6533-73-9	U215	Thallium(I) carbonate		2.8E-03	RfD		
7791-12-0	U216	Thallium(I) chloride		2.8E-03	RfD		
10102-45-1	U217	Thallium(I) nitrate		3.2E-03	RfD		
12039-52-0	P114	Thallium selenite (Dithallium(1+)salt selenious acid)	Thallium			1.0E-03	7841
7446-18-6	P115	Thallium(I) sulfate (Dithallium(1+)salt sulfuric acid)		2.8E-03	RfD		
62-55-5	U218	Thioacetamide (Ethanethionamide)	Ethylene thiourea			1.0E-02	8270
59669-26-0	U410	Thiodicarb (N,N'-[Thiobis[(methylimino)carbonyloxy]]bisethanimidothioic acid dimethyl ester)				3.0E-04	8321
39196-18-4	P045	Thiofanox				3.0E-04	8321
74-93-1	U153	Thiomethanol (Methanethiol)	Ethylene thiourea			1.0E-02	8270

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
541-53-7	P049	Thiomidodicarbonic dimide (2,4-Dithiobiuret)	Ethylene thiourea			1.0E-02	8270
23564-05-8	U409	Thiophanate-methyl ([1,2-Phenylenebis(iminocarbonothioyl)] biscarbamic acid dimethyl ester)		2.8E+00	RfD		
108-98-5	P014	Thiophenol (Benzenethiol)				2.0E-02	8270
79-19-6	P116	Thiosemicarbazide (Hydrazinecarbothioamide)	1,2-diphenylhydrazine			1.0E-02	8270
62-56-6	U219	Thiourea				1.0E-02	8270
137-26-8	U244	Thiram (Tetramethylthioperoxydicarbonic diamide)		1.8E-01	RfD		
26419-73-8	P185	Tirpate (2,4-Dimethyl-1,3-dithiolane-2-carboxaldehyde O-[(methylamino)carbonyl]oxime)				3.0E-04	8321
108-88-3	F001, F002, F003, F004, F005, F024, F025, F037, F038, F039, K001, K015, K022, K036, K037, K048, K049, K051, K052, K086, K087, K149, K151, K156, U051, U220	Toluene (Methyl benzene)		1.0E+00	MCL		
25376-45-8	U221	Toluenediamine (all isomers)	Toluene-2,4-diamine			2.0E-02	8270
95-80-7	K112, K113, K114, K115, K027, U221	Toluene-2,4-diamine (2,4-Diaminotoluene)				2.0E-02	8270
26471-62-5 (584-84-9)	U223, K027	Toluene diisocyanate				1.0E-02	8270
95-53-4	U328, K112, K113, K114	o-Toluidine				2.0E-03	8015
636-21-5	U222	o-Toluidine hydrochloride	o-Toluidine			2.0E-03	8015
106-49-0	U353, K112, K113, K114	p-Toluidine	o-Toluidine			2.0E-03	8015
8001-35-2	D015, F039, P123, K041, K098	Toxaphene		3.0E-03	MCL		
2303-17-5	U389	Triallate (bis(1-Methylethyl)carbamoithioic acid S-(2,3,3-trichloro-2-propenyl) ester)		4.6E-01	RfD		
75-87-6	U034	Trichloroacetaldehyde (Chloral)		7.0E-02	RfD		
108-70-3	K085	Trichlorobenzene (1,3,5-Trichlorobenzene)				1.2E-04	8121
120-82-1	F024, F025, F039, K019, K030, K042, K085, K096, K150	1,2,4-Trichlorobenzene		7.0E-02	MCL		
71-55-6	F001, F002, F003, F004, F005, F024, F025, F039, K018, K019, K020, K028, K029, K073, K086, K096, U226	1,1,1-Trichloroethane (Methyl chloroform)		2.0E-01	MCL		

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CAS No.	Possible Waste Codes	Chemical Name	Reference Molecule	Land Ban HBL (mg/L)	Source	Detection Limit (1) (mg/L)	SW-846 Test Method
79-00-5	F001, F002, F003, F004, F005, F024, F025, F039, K019, K020, K028, K073, K095, K096, U227	1,1,2-Trichloroethane		5.0E-03	MCL		
79-01-6	D040, F001, F002, F003, F004, F005, F024, F025, F039, K018, K019, K020, K086, K095, K096, U228	Trichloroethylene (Trichloroethene)		5.0E-03	MCL		
75-69-4	F001, F002, F003, F004, F005, F039, U121	Trichlorofluoromethane (Trichloromonofluoromethane)		1.1E+01	RfD		
75-70-7	P118	Trichloromethanethiol	Chloroform			2.0E-04	8021
95-95-4	D041, F020, F021, F022, F023, F026, F027, F028, F039, K001, K043, K105	2,4,5-Trichlorophenol		3.5E+00	RfD		
88-06-2	D042, F020, F021, F022, F023, F026, F027, F028, F032, F039, K001, K043, K099, K105	2,4,6-Trichlorophenol		3.0E-03	RSD		
----	F020, F023, F027, F028, K001	Trichlorophenols and their chlorophenoxy derivative acids, esters, amines and salts	2,4,6-Trichlorophenol			1.0E-02	8270
598-77-6	K017	1,1,2 Trichloropropane		1.8E-01	RfD		
96-18-4	F039, K017	1,2,3-Trichloropropane		2.1E-01	RfD		
76-13-1	F001, F002, F003, F004, F005, F039,	1,1,2-Trichloro-1,2,2-trifluoroethane		1.1E+03	RfD		
121-44-8	K156, K157, U404	Triethylamine (N,N-Diethylethanamine)				5.0E-04	8260
99-35-4	U234	1,3,5-Trinitrobenzene		1.1E+00	RfD		
72-57-1	U236	Trypan blue	Aminoazobenzene			1.0E-02	8270
66-75-1	U237	Uracil mustard (5-[Bis(2-chloroethyl)amino]-2,4-(1H,3H)-pyrimidinedione)	Propylthiouracil			1.0E-01	8270
7440-62-2	F039, P119, P120	Vanadium				4.0E-03	7911
1314-62-1	P120	Vanadium pentoxide (Vanadium oxide V2O5)		3.2E-01	RfD		
1929-77-7	K159	Vernolate (Dipropylcarbamothioic acid S-propyl ester) (Vernam)		3.5E-02	RfD		
75-01-4	D043, U043, F024, F025, F039, K019, K020, K028, K029	Vinyl chloride (Chloroethylene) (Chloroethene)		2.0E-03	MCL		
81-81-2	U248	Warfarin and salts when present at concentrations <= 0.3%		1.1E-02	RfD		
81-81-2	P001	Warfarin and salts when present at concentrations > 0.3%		1.1E-02	RfD		
1330-20-7	F001, F002, F003, F004, F005, F037, F038, F039, K001, K048, K049, K051, K052, K086, K087, U051, U239	Xylene (Dimethylbenzene)		1.0E+01	MCL		

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7440-66-6	K061	Zinc		1.1E+01	RfD		
557-21-1	P121	Zinc cyanide (Zinc cyanide Zn(CN) ₂)		1.8E+00	RfD		
1314-84-7	U249	Zinc phosphide when present at concentrations <= 10%.		1.1E-02	RfD		
1314-84-7	P122	Zinc phosphide when present at concentrations > 10%.		1.1E-02	RfD		
137-30-4	K161, P205	Ziram (bis(Dimethylcarbamodithioato-S,S')zinc (T-4))				1.9E-03	630

<p>Footnotes: (1) The Practical Quantitation Limit (PQL) was employed when available, using a ground water matrix.</p> <p>(2) Used MCL for fluoride.</p> <p>(3) Based on toxicological information that 1,2,4,5- tetrachlorobenzene is the most toxic of the three isomers, its RfD is assumed to be applicable to all isomers.</p>	<p>Notes: HBL taken from MCL, lower of RfD/RSD, detection, or surrogate detection limit in this order of preference.</p> <p>MCL - Maximum Contaminant Level RfD - Reference Dose RSD - Risk Specific Dose</p> <p>MCLs taken from National Drinking Water Regulations last updated March 2018</p> <p>RfD and RSD taken from IRIS, 3/97. $\text{RfD (mg/L)} = \frac{\text{RfD (mg/kg/day)} \times 70\text{kg}}{2 \text{ L/day}}$</p>
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