

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Scientific notation is represented by E+ or E- a value, for example 2×10^6 is reported as 2.0E+6. Units are as indicated in each column heading. The dataset for each hazardous substance requires 22 columns. Review all 22 columns, on 2 pages, when evaluating data for a specific hazardous substance.

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day) ⁻¹	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Acenaphthene	83329	1.8E-1	NA	2.1E+2	NA	NA	0.2	1.0	0.1	1.0	3.92
Acenaphthylene	208968	7.1E-3	NA	3.5E+1	NA	NA	0.2	1.0	0.1	1.0	3.6
Acetaldehyde	75070	1.3E-1	NA	9.0E+0	2.2E-6	4.5E+4	0.2	1.0	0.1	1.0	-0.367
Acetic acid	64197	5.7E-1	NA	2.5E+2	NA	3.7E+4	0.2	1.0	0.1	1.0	-0.23
Acetone	67641	1.0E-1	NA	5.9E+3	NA	1.782E+6	0.2	1.0	0.1	1.0	-0.240
Acetonitrile	75058	1.9E-2	NA	6.0E+1	NA	1.01E+5	0.2	1.0	0.1	1.0	-0.337
Acetophenone	98862	2.1E-1	NA	4.9E+2	NA	NA	0.2	1.0	0.1	1.0	1.6
Acrolein	107028	1.6E-2	NA	2.0E-2	NA	6.9E+2	0.2	1.0	0.1	1.0	-0.01
Acrylamide	79061	2.0E-4	2.8E+0	NA	1.3E-3	NA	0.2	1.0	0.1	1.0	-0.96
Acrylic acid	79107	5.3E-1	NA	1.0E+0	NA	NA	0.2	1.0	0.1	1.0	0.35
Acrylonitrile	107131	NA	3.3E-1	2.0E+0	6.8E-5	NA	0.2	1.0	0.1	1.0	0.255
Alachlor	15972608	1.0E-2	9.6E-2	NA	NA	NA	0.2	0.5	0.1	1.0	3.52
Aldicarb	116063	1.0E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.1
Aldicarb sulfoxide	1646873	1.3E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-0.67
Aldicarb sulfone	1646884	1.1E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-0.57
Aldrin	309002	2.5E-5	8.7E+0	NA	4.9E-3	NA	0.2	0.5	0.1	1.0	6.5
Aluminum	7429905	3.3E-1	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Ammonia	7664417	NA	NA	1.0E+2	NA	2.4E+4	0.2	1.0	0.1	1.0	NA
t-Amyl methyl ether (TAME)	994058	1.3E-1	NA	6.2E+1	NA	NA	0.2	1.0	0.1	1.0	1.73
Aniline	62533	NA	1.6E-2	1.0E+0	NA	NA	0.2	1.0	0.1	1.0	0.978

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Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D _i or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Acenaphthene	83329	7,140	NR	NR	1.55E-4	0.0421	7.69E-6	NA	NA	4,240	Solid	154.2
Acenaphthylene	208968	3,460	NR	NR	1.48E-3	0.08	8.0E-6	NA	NA	3,930	Solid	152.271
Acetaldehyde	75070	0.613	NR	NR	7.95E-5	0.08	8.0E-6	0.04	-36	1.0E+9	Liquid	44.1
Acetic acid	64197	0.595	NR	NR	1.00E-7	0.08	8.0E-6	0.04	103	6.0E+9	Liquid	60.05
Acetone	67641	0.581	NR	NR	3.88E-5	0.124	1.14E-5	0.025	0.0	1.0E+9	Liquid	58.08
Acetonitrile	75058	0.648	NR	NR	2.40E-5	0.13	1.7E-5	0.03	42	2.00E+8	Liquid	41.05
Acetophenone	98862	37.4	NR	NR	1.1E-5	0.08	8.0E-6	NA	NA	6.1E+6	Liquid	120.2
Acrolein	107028	1.18	NR	NR	9.40E-5	0.11	1.2E-5	0.028	-15	2.10E+8	Liquid	56.06
Acrylamide	79061	0.114	NR	NR	3.22E-10	0.097	1.1E-4	NA	280	2.20E+9	Solid	71.08
Acrylic acid	79107	2.21	NR	NR	3.20E-7	0.08	8.0E-6	0.024	121	1.0E+9	Liquid	72.06
Acrylonitrile	107131	1.78	NR	NR	1.00E-4	0.12	1.3E-5	0.03	30	7.50E+7	Liquid	53.06
Alachlor	15972608	734	NR	NR	8.32E-9	0.08	8.0E-6	NA	NA	1.83E+5	Solid	269.77
Aldicarb	116063	12.1	NR	NR	4.17E-9	0.08	8.0E-6	NA	NA	6.00E+6	Solid	190.25
Aldicarb sulfoxide	1646873	0.22	NR	NR	9.69E-10	0.08	8.0E-6	NA	NA	2.80E+7	Solid	206.27
Aldicarb sulfone	1646884	0.275	NR	NR	3.37E-9	0.08	8.0E-6	NA	NA	7.80E+6	Solid	222.27
Aldrin	309002	2.45E+6	NR	NR	1.70E-4	0.0132	4.86E-6	NA	NA	180	Solid	364.9
Aluminum	7429905	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	26.982
Ammonia	7664417	NA	NR	NR	3.20E-4	0.08	8.0E-6	0.15	NA	5.30E+8	Liquid	17.04
t-Amyl methyl ether (TAME)	994058	28.1	NR	NR	2.68E-3	0.08	8.0E-6	NA	NA	2.64E+6	Liquid	102.18
Aniline	62533	9.15	NR	NR	2.30E-6	0.07	8.3E-6	0.013	158	3.60E+7	Liquid	93.13

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PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS**

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Anthracene	120127	1.0E+0	NA	1.0E+3	NA	NA	0.2	1.0	0.1	1.0	4.55
Antimony	7440360	3.5E-4	NA	2.0E-1	NA	NA	0.2	0.5	0.01	1.0	NR
Arsenic	7440382	2.7E-4	1.5E+0	NA	4.3E-3	NA	0.2	0.5	0.03	1.0	NR
Asbestos	1332214	NA	NA	NA	4.6E-2	NA	1.0	1.0	0	1.0	NR
Atrazine	1912249	3.5E-2	7.4E-2	NA	NA	NA	0.2	1.0	0.1	1.0	2.7
Azobenzene	103333	NA	3.7E-2	NA	3.1E-5	NA	0.2	1.0	0.1	1.0	3.82
Barium	7440393	7.0E-2	NA	5.0E+0	NA	NA	1.0	0.5	0.01	1.0	NR
Benzene	71432	NA	2.9E-2	NA	8.3E-6	8.0E+3	0.2	1.0	0.1	1.0	2.13
Benzidine	92875	2.7E-3	2.3E+2	NA	6.7E-2	NA	0.2	1.0	0.1	1.0	1.66
Benzo(a)anthracene	56553	NA	4.1E-1	NA	NA	NA	0.2	0.5	0.13	1.0	5.7
Benzo(b)fluoranthene	205992	NA	4.1E-1	NA	NA	NA	0.2	0.5	0.13	1.0	6.2
Benzo(k)fluoranthene	207089	NA	4.1E-2	NA	NA	NA	0.2	0.5	0.13	1.0	6.2
Benzo(g,h,i)perylene	191242	7.1E-3	NA	1.2E+1	NA	NA	0.2	0.5	0.13	1.0	6.7
Benzo(a)pyrene	50328	NA	4.1E+0	NA	2.1E-3	NA	0.2	0.5	0.13	1.0	6.11
Benzoic acid	65850	4.4E+0	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.86
Benzyl alcohol	100516	1.4E+0	NA	5.0E+3	NA	NA	0.2	1.0	0.1	1.0	1.11
Benzyl chloride	100447	NA	1.1E-1	NA	5.0E-5	NA	0.2	1.0	0.1	1.0	2.30
Beryllium	7440417	1.5E-3	NA	2.0E-2	2.4E-3	1.0E+1	0.2	1.0	0	1.0	NR
bis(2-Chloroethoxy)ethane	112265	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.28
bis(2-Chloroethyl)ether	111444	NA	4.2E-1	NA	3.3E-4	5.8E+4	0.2	1.0	0.1	1.0	1.21
bis(2-Ethylhexyl)phthalate	117817	1.9E-2	3.2E-3	NA	4.43E-6	1.0E+4	0.2	0.5	0.1	1.0	7.3
Boron	7440428	3.2E-1	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Bromobenzene	108861	2.4E-3	NA	8.0E+0	NA	NA	0.2	1.0	0.1	1.0	2.99
Bromodichloromethane	75274	1.8E-2	5.0E-2	NA	3.7E-5	NA	0.2	1.0	0.1	1.0	2.1

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		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Anthracene	120127	29,700	NR	NR	6.50E-5	0.0324	7.74E-6	NA	NA	43.4	Solid	178.24
Antimony	7440360	NR	NR	45	NR	NR	NR	NA	NA	NA	Inorganic	121.760
Arsenic	7440382	NR	NR	29	NR	NR	NR	NA	NA	NA	Inorganic	74.922
Asbestos	1332214	NR	NR	NA	NR	NR	NR	NR	NR	NA	Inorganic	NA
Atrazine	1912249	451	NR	NR	2.63E-9	0.08	8.0E-6	NA	NA	70,000	Solid	215.72
Azobenzene	103333	5,690	NR	NR	1.35E-5	0.08	8.0E-6	NA	NA	6,400	Solid	182.23
Barium	7440393	NR	NR	41	NR	NR	NR	NA	NA	NA	Inorganic	137.327
Benzene	71432	58.2	NR	NR	5.55E-3	0.088	9.8E-6	0.012	12	1.75E+6	Liquid	78.11
Benzdine	92875	42.9	NR	NR	3.90E-11	0.08	1.5E-5	NA	NA	5.20E+5	Solid	184.24
Benzo(a)anthracene	56553	4.01E+5	NR	NR	3.35E-6	0.051	9.0E-6	NA	NA	9.4	Solid	228.3
Benzo(b)fluoranthene	205992	1.24E+6	NR	NR	1.11E-4	0.0226	5.56E-6	NA	NA	1.5	Solid	252.32
Benzo(k)fluoranthene	207089	1.24E+6	NR	NR	8.29E-7	0.0226	5.56E-6	NA	NA	0.8	Solid	252.32
Benzo(g,h,i)perylene	191242	3.86E+6	NR	NR	5.34E-8	0.08	8.0E-6	NA	NA	0.26	Solid	276.34
Benzo(a)pyrene	50328	1.01E+6	NR	NR	1.13E-6	0.043	9.0E-6	NA	NA	1.62	Solid	252.32
Benzoic acid	65850	Ionizing	0.6	NR	1.54E-6	0.0536	7.97E-6	NA	NA	3.50E+6	Solid	122.1
Benzyl alcohol	100516	12.3	NR	NR	3.90E-7	0.08	8.0E-6	NA	NA	4.40E+7	Liquid	108.13
Benzyl chloride	100447	182	NR	NR	4.00E-4	0.075	7.8E-6	0.011	153	4.90E+5	Liquid	126.58
Beryllium	7440417	NR	NR	790	NR	NR	NR	NA	NA	NA	Inorganic	9.012
bis(2-Chloroethoxy)ethane	112265	18.1	NR	NR	7.81E-7	0.08	8.0E-6	NA	NA	1.89E+7	Liquid	187.07
bis(2-Chloroethyl)ether	111444	10.9	NR	NR	1.80E-5	0.0692	7.53E-6	0.027	131	1.72E+7	Liquid	143.01
bis(2-Ethylhexyl)phthalate	117817	1.50E+7	NR	NR	1.02E-7	0.0351	3.66E-6	NA	420	340	Liquid	390.57
Boron	7440428	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	10.811
Bromobenzene	108861	870	NR	NR	4.74E-4	0.08	8.0E-6	NA	NA	4.13E+5	Liquid	157.015
Bromodichloromethane	75274	55.1	NR	NR	1.60E-3	0.0298	1.06E-5	NA	NA	6.74E+6	Liquid	163.8

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		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Bromoform	75252	1.8E-2	6.4E-3	NA	1.1E-6	NA	0.2	1.0	0.1	1.0	2.35
Bromomethane	74839	1.4E-3	NA	5.0E+0	NA	NA	0.2	1.0	0.1	1.0	1.18
n-Butanol	71363	1.3E-1	NA	3.5E+2	NA	1.52E+5	0.2	1.0	0.1	1.0	0.851
2-Butanone (MEK)	78933	1.8E+0	NA	1.0E+3	NA	8.85E+5	0.2	1.0	0.1	1.0	0.279
n-Butyl acetate	123864	7.6E-2	NA	7.1E+3	NA	9.5E+5	0.2	1.0	0.1	1.0	1.78
t-Butyl alcohol	75650	5.4E-1	NA	1.89E+3	NA	NA	0.2	1.0	0.1	1.0	0.35
Butyl benzyl phthalate	85687	1.6E-1	NA	7.0E+2	NA	NA	0.2	1.0	0.1	1.0	4.84
n-Butylbenzene	104518	1.1E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.38
sec-Butylbenzene	135988	1.1E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.57
t-Butylbenzene	98066	1.1E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.11
Cadmium	7440439	1.0E-3	NA	NA	1.8E-3	NA	0.2	0.5	0.001	1.0	NR
Camphene	79925	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.53
Caprolactam	105602	8.0E-1	NA	1.0E+1	NA	4.6E+4	0.2	1.0	0.1	1.0	-0.19
Carbaryl	63252	9.6E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.4
Carbazole	86748	NA	1.0E-2	NA	NA	NA	0.2	1.0	0.1	1.0	3.59
Carbofuran	1563662	5.0E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.6
Carbon disulfide	75150	1.1E-1	NA	7.0E+2	NA	NA	0.2	1.0	0.1	1.0	2
Carbon tetrachloride	56235	7.1E-4	5.5E-2	NA	2.36E-5	6.3E+4	0.2	1.0	0.1	1.0	2.73
Chlordane	57749	1.5E-3	3.5E-1	7.0E-1	1.0E-4	NA	0.2	0.5	0.04	1.0	6.32
Chloride	16887006	NA	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Chlorobenzene	108907	1.9E-2	NA	7.0E+1	NA	NA	0.2	1.0	0.1	1.0	2.86
1-Chloro-1,1-difluoroethane	75683	2.1E+0	NA	5.0E+4	NA	NA	0.2	1.0	0.1	1.0	1.81
Chloroethane	75003	1.8E+1	2.0E-3	1.0E+4	NA	NA	0.2	1.0	0.1	1.0	1.4
2-Chloroethyl vinyl ether	110758	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.07

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		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Bromoform	75252	87.0	NR	NR	5.35E-4	0.0149	1.03E-5	NA	NA	3.10E+6	Liquid	252.8
Bromomethane	74839	14.5	NR	NR	1.42E-2	0.08	8.0E-6	0.1	NA	1.45E+7	Liquid	94.94
n-Butanol	71363	5.65	NR	NR	8.81E-6	0.08	9.6E-6	0.014	84	7.40E+7	Liquid	74.14
2-Butanone (MEK)	78933	1.99	NR	NR	3.60E-5	0.081	9.8E-6	NA	16	2.40E+8	Liquid	72.1
n-Butyl acetate	123864	30.8	NR	NR	3.20E-4	0.08	8.0E-6	0.017	72	6.70E+6	Liquid	116.16
t-Butyl alcohol	75650	2.27	NR	NR	1.17E-5	0.08	8.0E-6	0.024	52	1.0E+9	Liquid	74.12
Butyl benzyl phthalate	85687	57,300	NR	NR	1.26E-6	0.0174	4.83E-6	NA	NA	2,690	Liquid	312.37
n-Butylbenzene	104518	20,200	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	134.22
sec-Butylbenzene	135988	31,100	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	134.22
t-Butylbenzene	98066	11,000	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	134.22
Cadmium	7440439	NR	NR	75	NR	NR	NR	NA	NA	NA	Inorganic	112.411
Camphene	79925	2,950	NR	NR	2.05E+0	0.08	8.0E-6	NA	NA	33,400	Solid	136.26
Caprolactam	105602	0.65	NR	NR	2.53E-8	0.08	8.0E-6	0.014	282	5.25E+9	Solid	113.2
Carbaryl	63252	229	NR	NR	6.80E-4	0.08	8.0E-6	NA	NA	1.26E+5	Solid	201.24
Carbazole	86748	3,380	NR	NR	1.53E-8	0.039	7.03E-6	NA	NA	7,480	Solid	167.21
Carbofuran	1563662	37.4	NR	NR	3.90E-10	0.08	8.0E-6	NA	NA	7.00E+5	Solid	221.3
Carbon disulfide	75150	45.9	NR	NR	3.03E-2	0.104	1.0E-5	0.013	-22	1.19E+6	Liquid	76.14
Carbon tetrachloride	56235	174	NR	NR	3.04E-2	0.078	8.8E-6	NA	NA	7.93E+5	Liquid	153.92
Chlordane	57749	1.21E+5	NR	NR	4.86E-5	0.0118	4.37E-6	NA	NA	56	Solid	409.8
Chloride	16887006	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	35.453
Chlorobenzene	108907	220	NR	NR	3.70E-3	0.073	8.7E-6	0.013	82	4.72E+5	Liquid	112.56
1-Chloro-1,1-difluoroethane	75683	32.5	NR	NR	6.16E-2	0.08	8.0E-06	0.06	NA	3.9E+06	Gas	100.5
Chloroethane	75003	23.8	NR	NR	8.80E-3	0.08	8.0E-6	0.038	-58	5.74E+6	Liquid	64.52
2-Chloroethyl vinyl ether	110758	8.43	NR	NR	6.25E-4	0.08	8.0E-6	NA	NA	1.50E+7	Liquid	106.55

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Chloroform	67663	1.3E-2	4.4E-3	NA	2.4E-6	NA	0.2	1.0	0.1	1.0	1.92
Chloromethane	74873	NA	3.3E-3	9.0E+1	6.39E-7	2.07E+5	0.2	1.0	0.1	1.0	0.91
4-Chloro-3-methylphenol	59507	2.0E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.1
beta-Chloronaphthalene	91587	2.5E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.1
2-Chlorophenol	95578	6.2E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.15
o-Chlorotoluene	95498	2.0E-2	NA	7.0E+1	NA	NA	0.2	1.0	0.1	1.0	3.42
Chlorpyrifos	2921882	3.0E-2	NA	2.0E+0	NA	NA	0.2	0.5	0.1	1.0	5.3
Chromium (III)	16065831	1.5E+0	NA	5.0E+0	NA	NA	0.7	0.5	0.01	1.0	NR
Chromium (VI)	18540299	4.8E-3	NA	8.0E-3	1.2E-2	NA	0.7	0.5	0.01	1.0	NR
Chrysene	218019	NA	4.1E-3	NA	NA	NA	0.2	0.5	0.13	1.0	5.7
Cobalt	7440484	5.0E-3	NA	2.0E-1	NA	NA	0.2	0.5	0.01	1.0	NR
Copper	7440508	3.8E-2	NA	2.0E+0	NA	NA	1.0	0.5	0.01	1.0	NR
Cyanazine	21725462	3.0E-3	3.7E-1	NA	NA	NA	0.2	1.0	0.1	1.0	2.2
Cyanide	57125	5.4E-3	NA	5.0E+1	NA	NA	0.2	1.0	0	1.0	NA
Cyclohexanone	108941	4.5E+0	NA	1.0E+3	NA	NA	0.2	1.0	0.1	1.0	0.81
Dacthal	1861321	1.0E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.4
Dalapon	75990	8.5E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	0.77
4-4'-DDD	72548	3.0E-3	9.4E-2	NA	7.0E-5	NA	0.2	0.5	0.1	1.0	6.1
4-4'-DDE	72559	7.0E-4	2.0E-1	NA	9.7E-5	NA	0.2	0.5	0.1	1.0	6.76
4-4'-DDT	50293	5.0E-4	2.0E-1	NA	9.7E-5	NA	0.2	0.5	0.03	1.0	6.53
Decabromodiphenyl ether	1163195	1.0E-2	NA	3.5E+1	4.0E-7	NA	0.2	0.5	0.1	1.0	5.24
Di-n-butyl phthalate	84742	1.2E-1	NA	5.0E+1	NA	NA	0.2	1.0	0.1	1.0	4.61
Di(2-ethylhexyl) adipate	103231	1.7E+0	5.9E-4	NA	3.4E-7	NA	0.2	0.5	0.1	1.0	6.11
Di-n-octyl phthalate	117840	1.8E-2	NA	NA	NA	NA	0.2	0.5	0.1	1.0	7.51

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Chloroform	67663	39.7	NR	NR	3.67E-3	0.104	1.0E-5	NA	NA	7.92E+6	Liquid	119.38
Chloromethane	74873	6.30	NR	NR	4.52E-2	0.13	6.5E-6	0.081	-60.8	6.34E+6	Liquid	50.49
4-Chloro-3-methylphenol	59507	1,120	NR	NR	4.00E-7	0.08	8.0E-6	NA	NA	3.90E+6	Solid	142.6
beta-Chloronaphthalene	91587	10,700	NR	NR	3.10E-4	0.08	8.0E-6	NA	NA	6,740	Solid	162.62
2-Chlorophenol	95578	Ionizing	388	NR	3.91E-4	0.0501	9.46E-6	NA	NA	2.20E+7	Liquid	128.56
o-Chlorotoluene	95498	612	NR	NR	3.57E-3	0.08	8.0E-6	NA	96	3.73E+5	Liquid	126.58
Chlorpyrifos	2921882	18,900	NR	NR	7.80E+0	0.08	8.0E-6	NA	NA	1,120	Solid	350.59
Chromium (III)	16065831	NR	NR	1.8E+6	NR	NR	NR	NA	NA	NA	Inorganic	51.996
Chromium (VI)	18540299	NR	NR	19	NR	NR	NR	NA	NA	NA	Inorganic	51.996
Chrysene	218019	4.01E+5	NR	NR	9.46E-5	0.0248	6.21E-6	NA	NA	1.6	Solid	228.3
Cobalt	7440484	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	58.933
Copper	7440508	NR	NR	360	NR	NR	NR	NA	NA	NA	Inorganic	63.546
Cyanazine	21725462	146	NR	NR	1.00E-10	0.08	8.0E-6	NA	NA	1.70E+5	Solid	241
Cyanide	57125	NA	NR	NR	NR	0.08	8.0E-6	NA	NA	NA	Inorganic	26.02
Cyclohexanone	108941	6.26	NR	NR	7.80E+0	0.08	8.0E-6	NA	146	2.30E+7	Liquid	98.14
Dacthal	1861321	21,200	NR	NR	2.18E-6	0.08	8.0E-6	NA	NA	500	Solid	331
Dalapon	75990	5.72	NR	NR	6.43E-8	0.08	8.0E-6	NA	NA	5.02E+8	Liquid	142.97
4-4'-DDD	72548	81,100	NR	NR	4.00E-6	0.0169	4.76E-6	NA	NA	90	Solid	320.05
4-4'-DDE	72559	2.70E+5	NR	NR	2.10E-5	0.0144	5.87E-6	NA	NA	120	Solid	518.03
4-4'-DDT	50293	1.78E+5	NR	NR	8.10E-6	0.0137	4.95E-6	NA	162	25	Solid	354.49
Decabromodiphenyl ether	1163195	1.42E+5	NR	NR	4.02E-5	0.08	8.0E-6	NA	NA	30	Solid	959.22
Di-n-butyl phthalate	84742	34,000	NR	NR	9.38E-10	0.0438	7.86E-6	NA	315	11,200	Liquid	278.34
Di(2-ethylhexyl) adipate	103231	1.01E+6	NR	NR	4.34E-7	0.08	8.0E-6	NA	NA	471	Liquid	370
Di-n-octyl phthalate	117840	2.41E+7	NR	NR	7.66E-7	0.0151	3.58E-6	NA	NA	3,000	Liquid	390.62

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Diacetone alcohol	123422	NA	NA	2.4E+3	NA	NA	0.2	1.0	0.1	1.0	-0.34
Diazinon	333415	1.8E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.4
Dibenzo(a,h)anthracene	53703	NA	4.1E+0	NA	NA	NA	0.2	0.5	0.13	1.0	6.69
Dibenzofuran	132649	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.2
Dibromochloromethane	124481	2.1E-2	4.9E-2	NA	2.45E-5	NA	0.2	1.0	0.1	1.0	2.17
Dibromochloropropane	96128	NA	1.2E+0	2.0E-1	NA	NA	0.2	1.0	0.1	1.0	2.68
Dibromomethane	74953	1.1E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.62
1,2-Dichlorobenzene	95501	8.6E-2	NA	1.5E+3	NA	3.01E+5	0.2	1.0	0.1	1.0	3.43
1,3-Dichlorobenzene	541731	9.0E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.5
1,4-Dichlorobenzene	106467	NA	1.3E-2	NA	6.9E-6	NA	0.2	1.0	0.1	1.0	3.42
3,3'-Dichlorobenzidine	91941	NA	8.0E-1	NA	4.8E-4	NA	0.2	1.0	0.1	1.0	3.51
Dichlorodifluoromethane	75718	2.3E-1	NA	4.95E+4	NA	NA	0.2	1.0	0.1	1.0	2.15
1,1-Dichloroethane	75343	1.2E-1	NA	5.0E+2	NA	NA	0.2	1.0	0.1	1.0	1.79
1,2-Dichloroethane	107062	NA	5.8E-2	NA	2.6E-5	NA	0.2	1.0	0.1	1.0	1.47
1,1-Dichloroethylene	75354	9.0E-4	NA	NA	5.0E-05	7.9E+4	0.2	1.0	0.1	1.0	2.13
cis-1,2-Dichloroethylene	156592	1.1E-2	NA	3.4E+1	NA	NA	0.2	1.0	0.1	1.0	1.86
trans-1,2-Dichloroethylene	156605	1.7E-2	NA	7.0E+1	NA	NA	0.2	1.0	0.1	1.0	2.07
2,6-Dichloro-4-nitroaniline	99309	3.0E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.76
2,4-Dichlorophenol	120832	1.0E-2	NA	7.7E+1	NA	NA	0.2	1.0	0.1	1.0	3.08
2,4-Dichlorophenoxyacetic acid	94757	1.0E-2	NA	1.0E+2	NA	NA	0.2	1.0	0.05	1.0	2.7
1,2-Dichloropropane	78875	4.4E-1	3.7E-2	4.0E+0	NA	5.08E+5	0.2	1.0	0.1	1.0	1.97
1,3-Dichloropropene	542756	3.4E-2	1.0E-1	2.0E+1	4.0E-6	NA	0.2	1.0	0.1	1.0	2.0
Dichlorovos	62737	4.0E-4	5.2E-1	5.0E-1	NA	NA	0.2	1.0	0.1	1.0	1.4
Dicyclohexyl phthalate	84617	NA	NA	NA	NA	NA	0.2	0.5	0.1	1.0	6.2

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Diacetone alcohol	123422	0.464	NR	NR	2.61E-7	0.08	8.0E-6	0.018	125	1.0E+9	Liquid	116.2
Diazinon	333415	2,200	NR	NR	1.13E-7	0.08	8.0E-6	NA	180	68,800	Liquid	304.3
Dibenzo(a,h)anthracene	53703	3.77E+6	NR	NR	1.47E-8	0.0202	5.18E-6	NA	NA	2.49	Solid	278.36
Dibenzofuran	132649	13,500	NR	NR	1.30E-5	0.08	8.0E-6	NA	NA	10,000	Solid	168.21
Dibromochloromethane	124481	62.6	NR	NR	7.83E-4	0.0229	1.05E-5	NA	NA	2.60E+6	Liquid	208.29
Dibromochloropropane	96128	431	NR	NR	1.90E-4	0.08	8.0E-6	NA	170	1,230	Liquid	236.34
Dibromomethane	74953	39.2	NR	NR	9.00E-4	0.08	8.6E-6	NA	NA	1.10E+7	Liquid	173.85
1,2-Dichlorobenzene	95501	623	NR	NR	1.9E-3	0.069	7.9E-6	0.022	151	1.56E+5	Liquid	147.01
1,3-Dichlorobenzene	541731	708	NR	NR	1.8E-3	0.08	8.0E-6	NA	NA	1.11E+5	Liquid	147.01
1,4-Dichlorobenzene	106467	612	NR	NR	2.43E-3	0.069	7.9E-6	0.025	150	73,800	Solid	147
3,3'-Dichlorobenzidine	91941	721	NR	NR	4.00E-9	0.0194	6.74E-6	NA	NA	3,110	Solid	253.1
Dichlorodifluoromethane	75718	60.4	NR	NR	2.6E+0	0.08	8.0E-6	NA	NA	3.00E+5	Liquid	120.91
1,1-Dichloroethane	75343	31.3	NR	NR	5.62E-3	0.0742	1.05E-5	0.054	2.0	5.06E+6	Liquid	98.96
1,2-Dichloroethane	107062	17.5	NR	NR	9.79E-4	0.104	9.9E-6	0.062	56	8.52E+6	Liquid	98.97
1,1-Dichloroethylene	75354	58.2	NR	NR	2.61E-2	0.09	1.04E-5	0.065	-2	2.25E+6	Liquid	96.94
cis-1,2-Dichloroethylene	156592	35.6	NR	NR	4.08E-3	0.0736	1.13E-5	NA	36	3.50E+6	Liquid	96.94
trans-1,2-Dichloroethylene	156605	52.2	NR	NR	9.38E-3	0.0707	1.19E-5	NA	36	6.30E+6	Liquid	96.94
2,6-Dichloro-4-nitroaniline	99309	517	NR	NR	4.67E-8	0.08	8.0E-6	NA	NA	7,000	Solid	207.02
2,4-Dichlorophenol	120832	Ionizing	147	NR	3.16E-6	0.0346	8.77E-6	NA	NA	4.50E+6	Liquid	163
2,4-Dichlorophenoxyacetic acid	94757	451	NR	NR	4.50E-6	0.059	6.5E-6	NA	NA	6.80E+5	Solid	221.04
1,2-Dichloropropane	78875	43.5	NR	NR	2.80E-3	0.0782	8.73E-6	0.034	60	2.80E+6	Liquid	112.99
1,3-Dichloropropene	542756	45.9	NR	NR	1.77E-2	0.0626	1.0E-5	0.053	77	2.80E+6	Liquid	110.97
Dichlorovos	62737	15.4	NR	NR	9.58E-7	0.08	8.0E-6	NA	175	1.60E+7	Liquid	220.98
Dicyclohexyl phthalate	84617	1.24E+6	NR	NR	7.61E-5	0.08	8.0E-6	NA	NA	4,000	Solid	330.43

**TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR
PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS**

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Dieldrin	60571	7.6E-5	8.0E+0	NA	4.6E-3	NA	0.2	0.5	0.1	1.0	5.37
Diethyl ether	60297	5.0E-1	NA	1.2E+4	NA	1.52E+6	0.2	1.0	0.1	1.0	0.83
Diethyl phthalate	84662	7.5E-1	NA	5.0E+1	NA	NA	0.2	1.0	0.1	1.0	2.5
Diethylene glycol monobutyl ether	112345	1.2E-2	NA	2.0E+1	NA	NA	0.2	1.0	0.1	1.0	0.32
Diisopropyl ether	108203	4.1E-3	NA	3.58E+2	NA	NA	0.2	1.0	0.1	1.0	1.67
Diisopropylamine	108189	7.7E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.6
Dimethyl phthalate	131113	1.0E+1	NA	5.0E+1	NA	NA	0.2	1.0	0.1	1.0	1.64
N,N-Dimethylacetamide	127195	2.5E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-0.77
N,N-Dimethylaniline	121697	2.2E-3	NA	NA	1.18E-5	5.0E+4	0.2	1.0	0.1	1.0	2.46
Dimethylformamide	68122	9.6E-2	NA	3.0E+1	NA	NA	0.2	1.0	0.1	1.0	-1.01
2,4-Dimethylphenol	105679	5.0E-2	NA	7.0E+1	NA	NA	0.2	1.0	0.1	1.0	2.36
2,6-Dimethylphenol	576261	6.0E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.36
3,4-Dimethylphenol	95658	1.4E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.23
Dimethylsulfoxide	67685	3.0E+1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-1.66
2,4-Dinitrotoluene	121142	2.0E-3	1.1E-1	2.0E+0	2.0E-4	NA	0.2	1.0	0.1	1.0	2.01
Dinoseb	88857	1.0E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.15
1,4-Dioxane	123911	NA	1.0E-2	NA	5.5E-6	NA	0.2	1.0	0.1	1.0	-0.39
Diquat	85007	2.2E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-2.82
Diuron	330541	4.3E-3	NA	7.0E+0	NA	NA	0.2	1.0	0.1	1.0	2.77
Endosulfan	115297	6.0E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.1
Endothall	145733	1.7E-2	NA	3.5E+1	NA	NA	0.2	1.0	0.1	1.0	-0.55
Endrin	72208	1.7E-4	NA	NA	NA	NA	0.2	0.5	0.1	1.0	5.06
Epichlorohydrin	106898	1.0E-3	5.9E-1	1.0E+0	1.2E-6	NA	0.2	1.0	0.1	1.0	0.26
Ethanol	64175	6.2E+1	NA	1.9E+4	NA	NA	1.0	1.0	0.1	1.0	-0.31

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D _i or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Dieldrin	60571	21,400	NR	NR	1.51E-5	0.0125	4.74E-6	NA	NA	195	Solid	380.9
Diethyl ether	60297	6.55	NR	NR	8.70E-4	0.074	9.3E-6	0.019	-49	6.10E+7	Liquid	74.12
Diethyl phthalate	84662	287	NR	NR	4.50E-7	0.0256	6.35E-6	NA	322	1.08E+6	Liquid	222.23
Diethylene glycol monobutyl ether	112345	2.06	NR	NR	1.52E-9	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	162.23
Diisopropyl ether	108203	25.2	NR	NR	1.3E-3	0.08	8.0E-6	0.014	-18	8,041	Liquid	102.18
Diisopropylamine	108189	37.4	NR	NR	9.60E-5	0.08	8.0E-6	0.011	20	3.69E+7	Liquid	101.22
Dimethyl phthalate	131113	41.0	NR	NR	5.78E-7	0.067	6.3E-6	NA	295	4.19E+6	Liquid	194.19
N,N-Dimethylacetamide	127195	0.175	NR	NR	1.31E-8	0.08	8.0E-6	NA	158	1.0E+9	Liquid	87.14
N,N-Dimethylaniline	121697	262	NR	NR	8.12E-5	0.08	8.0E-6	NA	142	1.27E+6	Liquid	121.18
Dimethylformamide	68122	0.102	NR	NR	7.39E-8	0.08	8.0E-6	NA	136	1.0E+9	Liquid	73.1
2,4-Dimethylphenol	105679	209	NR	NR	2.0E-6	0.0584	8.69E-6	NA	NA	7.87E+6	Solid	122.16
2,6-Dimethylphenol	576261	209	NR	NR	5.02E-6	0.08	8.0E-6	NA	NA	6.14E+6	Solid	122.16
3,4-Dimethylphenol	95658	156	NR	NR	3.78E-7	0.08	8.0E-6	NA	NA	4.93E+6	Solid	122.16
Dimethylsulfoxide	67685	0.0234	NR	NR	5.80E-8	0.08	8.0E-6	NA	NA	1.66E+8	Liquid	78.14
2,4-Dinitrotoluene	121142	94.6	NR	NR	9.26E-8	0.203	7.06E-6	NA	NA	2.70E+5	Solid	183.15
Dinoseb	88857	1,250	NR	NR	4.60E-7	0.08	8.0E-6	NA	NA	52,000	Liquid	240.2
1,4-Dioxane	123911	0.588	NR	NR	4.90E-6	0.23	1.0E-5	0.02	55	9.00E+8	Liquid	88.11
Diquat	85007	0.00169	NR	NR	1.42E-13	0.08	8.0E-6	NA	NA	7.00E+5	Solid	344.08
Diuron	330541	187	NR	NR	2.70E-6	0.08	8.0E-6	NA	NA	37,300	Solid	233.1
Endosulfan	115297	2,110	NR	NR	1.12E-5	0.0115	4.55E-6	NA	NA	510	Solid	406.9
Endothall	145733	0.288	NR	NR	2.60E-10	0.08	8.0E-6	NA	NA	1.00E+8	Solid	186.18
Endrin	72208	12,200	NR	NR	7.52E-6	0.0125	4.74E-6	NA	NA	250	Solid	380.9
Epichlorohydrin	106898	1.92	NR	NR	3.00E-5	0.086	9.8E-6	0.038	93	6.60E+7	Liquid	92.53
Ethanol	64175	0.496	NR	NR	6.29E-6	0.08	8.0E-6	0.033	55	1.0E+9	Liquid	46.07

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Ethyl acetate	141786	9.0E-1	NA	3.2E+3	NA	NA	0.2	1.0	0.1	1.0	0.69
Ethyl-tert-butyl ether (ETBE)	637923	NA	NA	3.73E+2	NA	NA	0.2	1.0	0.1	1.0	1.92
Ethylbenzene	100414	9.7E-2	NA	1.0E+3	3.1E-7	5.43E+5	0.2	1.0	0.1	1.0	3.14
Ethylene dibromide	106934	NA	5.7E+1	NA	2.2E-4	NA	0.2	1.0	0.1	1.0	1.75
Ethylene glycol	107211	2.0E+0	NA	1.0E+3	NA	1.0E+5	0.2	1.0	0.1	1.0	-1.4
Ethylene glycol monobutyl ether	111762	5.0E-1	NA	1.3E+4	NA	NA	0.2	1.0	0.1	1.0	0.83
Fluoranthene	206440	1.2E-1	NA	1.4E+2	NA	NA	0.2	0.5	0.1	1.0	5.12
Fluorene	86737	1.2E-1	NA	1.4E+2	NA	NA	0.2	1.0	0.1	1.0	4.21
Fluorine (soluble fluoride)	7782414	6.0E-2	NA	NA	NA	3.1E+3	1.0	0.5	0.01	1.0	NR
Formaldehyde	50000	1.8E-1	NA	NA	1.3E-5	3.7E+2	0.2	1.0	0.1	1.0	-0.051
Formic acid	64186	1.4E+0	NA	2.0E+0	NA	1.9E+4	0.2	1.0	0.1	1.0	-0.538
1-Formylpiperidine	2591868	1.1E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	NA
Gentian violet	548629	1.4E-1	5.5E-2	NA	NA	NA	0.2	1.0	0.1	1.0	0.51
Glyphosate	1071836	1.0E-1	NA	NA	NA	NA	0.2	0.5	0.1	1.0	-4.47
Heptachlor	76448	2.3E-3	1.6E+0	NA	1.3E-3	NA	0.2	0.5	0.1	1.0	6.26
Heptachlor epoxide	1024573	8.5E-6	2.9E+0	NA	2.6E-3	NA	0.2	0.5	0.1	1.0	5.0
n-Heptane	142825	4.4E+0	NA	3.5E+3	NA	2.05E+6	0.2	1.0	0.1	1.0	4.72
Hexabromobenzene	87821	2.8E-3	NA	NA	NA	NA	0.2	0.5	0.1	1.0	6.1
Hexachlorobenzene (C-66)	118741	8.0E-4	1.0E+0	NA	4.6E-4	NA	0.2	0.5	0.1	1.0	5.89
Hexachlorobutadiene (C-46)	87683	2.0E-3	5.2E-2	NA	2.2E-5	NA	0.2	1.0	0.1	1.0	4.81
alpha-Hexachlorocyclohexane	319846	NA	2.0E+0	NA	1.83E-3	NA	0.2	1.0	0.1	1.0	3.8
beta-Hexachlorocyclohexane	319857	NA	9.7E-1	NA	5.3E-4	NA	0.2	1.0	0.1	1.0	3.81
Hexachlorocyclopentadiene (C-56)	77474	6.0E-3	NA	2.0E-1	NA	NA	0.2	0.5	0.1	1.0	5.39
Hexachloroethane	67721	1.0E-3	8.5E-3	3.5E+0	4.0E-6	NA	0.2	1.0	0.1	1.0	4.0

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Ethyl acetate	141786	4.77	NR	NR	1.70E-4	0.073	9.7E-6	0.02	24	6.40E+7	Liquid	88.12
Ethyl-tert-butyl ether (ETBE)	637923	3.97	NR	NR	1.39E-3	0.08	8.0E-6	NA	NA	5.63E+6	Liquid	102.18
Ethylbenzene	100414	367	NR	NR	7.88E-3	0.075	7.8E-6	0.008	55	1.69E+5	Liquid	106.17
Ethylene dibromide	106934	52.5	NR	NR	4.60E-4	0.08	8.0E-6	NA	NA	4.20E+6	Liquid	187.9
Ethylene glycol	107211	0.0421	NR	NR	6.00E-8	0.08	8.0E-6	0.032	232	1.0E+9	Liquid	62.07
Ethylene glycol monobutyl ether	111762	6.55	NR	NR	5.13E-2	0.08	8.0E-6	NA	143	2.24E+8	Liquid	118.2
Fluoranthene	206440	1.08E+5	NR	NR	1.61E-5	0.0302	6.35E-6	NA	NA	206	Solid	202.24
Fluorene	86737	13,800	NR	NR	6.36E-5	0.0363	7.88E-6	NA	NA	1,980	Solid	166.23
Fluorine (soluble fluoride)	7782414	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	38
Formaldehyde	50000	1.09	NR	NR	2.80E-4	0.18	2.0E-5	0.07	NA	5.50E+8	Liquid	30.03
Formic acid	64186	0.449	NR	NR	2.50E-6	0.079	1.4E-6	0.18	122	1.0E+9	Liquid	46.03
1-Formylpiperidine	2591868	NA	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	113.2
Gentian violet	548629	3.17	NR	NR	3.06E-16	0.08	8.0E-6	NA	NA	1.00E+6	Solid	408
Glyphosate	1071836	4.04E-5	NR	NR	1.50E-9	0.08	8.0E-6	NA	NA	1.16E+7	Solid	169.09
Heptachlor	76448	1.43E+6	NR	NR	1.48E-3	0.0112	5.69E-6	NA	NA	180	Solid	373.4
Heptachlor epoxide	1024573	82,300	NR	NR	9.50E-6	0.0132	4.23E-6	NA	NA	200	Solid	389.32
n-Heptane	142825	43,700	NR	NR	2.11E+0	0.08	8.0E-6	0.0105	25	2,690	Liquid	100.2
Hexabromobenzene	87821	9.92E+5	NR	NR	1.30E-5	0.08	8.0E-6	NA	NA	0.17	Solid	551
Hexachlorobenzene (C-66)	118741	55,300	NR	NR	1.32E-3	0.0542	5.91E-6	NA	NA	6,200	Solid	284.78
Hexachlorobutadiene (C-46)	87683	53,500	NR	NR	8.15E-3	0.0561	6.16E-6	NA	NA	3,230	Liquid	260.76
alpha-Hexachlorocyclohexane	319846	1,220	NR	NR	1.06E-5	0.0142	7.34E-6	NA	NA	2,000	Solid	290.82
beta-Hexachlorocyclohexane	319857	1,250	NR	NR	7.43E-7	0.0142	7.34E-6	NA	NA	240	Solid	290.82
Hexachlorocyclopentadiene (C-56)	77474	1.99E+5	NR	NR	2.70E-2	0.0161	7.21E-6	NA	NA	1,800	Liquid	272.77
Hexachloroethane	67721	1,760	NR	NR	3.89E-3	0.0025	6.8E-6	NA	NA	50,000	Solid	236.74

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
n-Hexane	110543	4.1E-1	NA	2.0E+2	NA	NA	0.2	1.0	0.1	1.0	4.0
2-Hexanone	591786	1.4E-1	NA	4.0E+1	NA	NA	0.2	1.0	0.1	1.0	1.4
Indeno(1,2,3-cd)pyrene	193395	NA	4.1E-1	NA	NA	NA	0.2	0.5	0.13	1.0	6.65
Iron	7439896	3.0E-1	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Isobutyl alcohol	78831	3.2E-1	NA	1.5E+3	NA	NA	0.2	1.0	0.1	1.0	0.75
Isophorone	78591	1.5E-1	1.1E-3	2.8E+2	2.7E-7	2.8E+4	0.2	1.0	0.1	1.0	1.699
Isopropyl alcohol	67630	6.4E-2	NA	2.2E+2	NA	1.23E+6	0.2	1.0	0.1	1.0	0.05
Isopropyl benzene	98828	1.1E-1	NA	8.7E+1	NA	NA	0.2	1.0	0.1	1.0	3.6
Lead	7439921	NR	NR	1.5E+0	NA	NA	NR	0.3	NR	NR	NR
Lindane	58899	3.3E-4	7.1E-1	NA	NA	NA	0.2	1.0	0.04	1.0	3.73
Lithium	7439932	2.8E-2	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Magnesium	7439954	1.1E+1	NA	1.0E+2	NA	NA	1.0	0.5	0.01	1.0	NR
Manganese	7439965	4.7E-2	NA	5.0E-2	NA	NA	0.5	0.5	0.01	1.0	NR
Mercury (Total)	Varies	3.0E-4	NA	3.0E-1	NA	NA	0.2	0.5	0.01	1.0	NR
Methane	74828	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.09
Methanol	67561	5.0E-1	NA	3.25E+3	NA	3.28E+6	0.2	1.0	0.1	1.0	-0.72
Methoxychlor	72435	5.0E-3	NA	NA	NA	NA	0.2	0.5	0.1	1.0	5.08
2-Methoxyethanol	109864	1.0E-3	NA	2.0E+1	NA	NA	0.2	1.0	0.1	1.0	-0.77
2-Methyl-4-chlorophenoxyacetic acid	94746	1.0E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.25
2-Methyl-4,6-dinitrophenol	534521	3.5E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.1
N-Methyl-morpholine	109024	2.7E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-0.33
Methyl parathion	298000	2.5E-4	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.9
4-Methyl-2-pentanone (MIBK)	108101	2.5E-1	NA	2.05E+3	NA	3.07E+6	0.2	1.0	0.1	1.0	1.18
Methyl-tert-butyl ether (MTBE)	1634044	3.3E-2	3.4E-3	3.0E+3	NA	NA	0.2	1.0	0.1	1.0	0.99

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
n-Hexane	110543	1,760	NR	NR	1.40E-2	0.08	8.0E-6	0.011	-7	12,000	Liquid	86.18
2-Hexanone	591786	23.8	NR	NR	9.57E-5	0.08	8.0E-6	NA	77	1.60E+7	Liquid	100.16
Indeno(1,2,3-cd)pyrene	193395	3.45E+6	NR	NR	1.60E-6	0.019	5.66E-6	NA	NA	0.022	Solid	276.34
Iron {B}	7439896	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	55.845
Isobutyl alcohol	78831	5.46	NR	NR	1.30E-5	0.08	8.0E-6	NA	82	7.60E+7	Liquid	74.14
Isophorone	78591	46.8	NR	NR	6.20E-6	0.0623	6.76E-6	0.008	184	1.20E+7	Liquid	138.23
Isopropyl alcohol	67630	1.31	NR	NR	8.07E-6	0.08	8.0E-6	0.02	53	1.0E+9	Liquid	60.09
Isopropyl benzene	98828	3,460	NR	NR	1.50E-2	0.086	7.1E-6	0.009	96	56,000	Liquid	122.16
Lead	7439921	NR	NR	11,000	NR	NR	NR	NA	NA	NA	Inorganic	207.2
Lindane	58899	1,080	NR	NR	1.40E-5	0.0176	7.34E-6	NA	NA	6,800	Solid	290.9
Lithium	7439932	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	6.941
Magnesium	7439954	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	24.305
Manganese	7439965	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	54.938
Mercury (Total)	Varies	NR	NR	58,000	7.1E-3	0.0037	6.3E-6	NA	NA	56	Varies	200.59
Methane	74828	11.8	NR	NR	6.58E-1	0.08	8.0E-6	0.053	-306	NA	Gas	16.04
Methanol	67561	0.196	NR	NR	1.70E-4	0.15	1.3E-5	0.06	52	2.90E+7	Liquid	32.05
Methoxychlor	72435	12,600	NR	NR	1.58E-5	0.0156	4.46E-6	NA	NA	45	Solid	345.7
2-Methoxyethanol	109864	0.175	NR	NR	9.51E-7	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	76.1
2-Methyl-4-chlorophenoxyacetic acid	94746	1,570	NR	NR	1.33E-9	0.08	8.0E-6	NA	NA	9.24E+5	Solid	305.79
2-Methyl-4,6-dinitrophenol	534521	116	NR	NR	4.30E-7	0.08	8.0E-6	NA	NA	2.00E+5	Solid	198.13
N-Methyl-morpholine	109024	0.474	NR	NR	2.50E-7	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	101.17
Methyl parathion	298000	710	NR	NR	1.10E-7	0.08	8.0E-6	NA	NA	50,000	Solid	263.23
4-Methyl-2-pentanone (MIBK)	108101	14.5	NR	NR	1.20E-4	0.075	7.8E-6	NA	64	2.00E+7	Liquid	100.2
Methyl-tert-butyl ether (MTBE)	1634044	9.41	NR	NR	6.39E-4	0.08	8.0E-6	NA	NA	4.68E+7	Liquid	88.15

**TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR
PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS**

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Methylcyclopentane	96377	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.37
4,4'-Methylene-bis-2-chloroaniline (MBOCA)	101144	7.3E-4	7.7E-1	NA	3.7E-5	NA	0.2	1.0	0.1	1.0	3.92
Methylene chloride	75092	5.8E-2	4.2E-3	NA	4.7E-7	NA	0.2	1.0	0.1	1.0	1.26
2-Methylnaphthalene	91576	3.6E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.9
Methylphenols	1319773	5.0E-2	NA	1.0E+2	NA	NA	0.2	1.0	0.1	1.0	1.99
Metolachlor	51218452	2.3E-1	3.5E-3	NA	NA	NA	0.2	1.0	0.1	1.0	3.13
Mirex	2385855	2.3E-4	9.3E-1	NA	NA	NA	0.2	0.5	0.1	1.0	6.70
Molybdenum	7439987	5.0E-3	NA	NA	NA	NA	0.4	0.5	0.01	1.0	NR
Naphthalene	91203	7.1E-2	NA	3.0E+0	3.1E-6	7.9E+4	0.2	1.0	0.1	1.0	3.36
Nickel	7440020	7.6E-2	NA	NA	2.4E-4	NA	0.2	0.5	0.01	1.0	NR
Nitrate	14797558	1.6E+0	NA	NA	NA	NA	1.0	0.5	0.01	1.0	NR
Nitrite	14797650	1.0E-1	NA	NA	NA	NA	1.0	0.5	0.01	1.0	NR
Nitrobenzene	98953	4.6E-4	NA	7.0E-1	2.0E-5	NA	0.2	1.0	0.1	1.0	1.84
2-Nitrophenol	88755	2.8E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.8
n-Nitroso-di-n-propylamine	621647	2.5E-1	4.5	NA	2.0E-3	NA	0.2	1.0	0.1	1.0	1.4
N-Nitrosodiphenylamine	86306	2.5E-1	3.1E-3	NA	NA	NA	0.2	1.0	0.1	1.0	3.16
Oxamyl	23135220	3.8E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-0.47
Oxo-hexyl acetate	88230357	1.0E-2	NA	3.1E+1	NA	NA	0.2	1.0	0.1	1.0	NA
Pendimethalin	40487421	1.2E-1	NA	NA	NA	NA	0.2	0.5	0.1	1.0	5.18
Pentachlorobenzene	608935	8.3E-4	NA	NA	NA	NA	0.2	0.5	0.1	1.0	5.26
Pentachloronitrobenzene	82688	7.5E-3	NA	5.0E+0	NA	NA	0.2	1.0	0.1	1.0	4.64
Pentachlorophenol	87865	3.0E-2	6.8E-2	1.0E+2	3.0E-5	NA	0.2	0.5	0.25	1.0	5.09
Pentane	109660	NA	NA	1.8E+4	NA	2.21E+6	0.2	1.0	0.1	1.0	3.42

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Methylcyclopentane	96377	2,060	NR	NR	3.63E-1	0.08	8.0E-6	NA	NA	73,890	Liquid	84.16
4,4'-Methylene-bis-2-chloroaniline (MBOCA)	101144	7,140	NR	NR	4.10E-11	0.08	8.0E-6	NA	NA	14,000	Solid	267.17
Methylene chloride	75092	11.9	NR	NR	2.40E-3	0.101	1.17E-5	0.13	NA	1.70E+7	Liquid	50.5
2-Methylnaphthalene	91576	6,820	NR	NR	4.99E-4	0.08	8.0E-6	NA	NA	24,600	Solid	142.2
Methylphenols	1319773	45.1	NR	NR	1.60E-6	0.074	8.3E-6	NA	178	2.80E+7	Solid	108.13
Metolachlor	51218452	361	NR	NR	9.90E-9	0.08	8.0E-6	NA	NA	5.30E+5	Liquid	283.83
Mirex	2385855	3.86E+6	NR	NR	5.16E-4	0.08	8.0E-6	NA	NA	6.8E-6	Solid	545.54
Molybdenum	7439987	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	95.94
Naphthalene	91203	2,010	NR	NR	4.83E-4	0.059	7.5E-6	0.009	174	31,000	Solid	128.17
Nickel	7440020	NR	NR	65	NR	NR	NR	NA	NA	NA	Inorganic	58.7
Nitrate	14797558	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	62
Nitrite	14797650	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	46
Nitrobenzene	98953	64.4	NR	NR	2.40E-5	0.076	8.6E-6	NA	190	2.09E+6	Liquid	123.11
2-Nitrophenol	88755	58.8	NR	NR	3.50E-6	0.08	8.0E-6	NA	NA	2.50E+6	Solid	139.11
n-Nitroso-di-n-propylamine	621647	23.8	NR	NR	2.25E-6	0.0545	8.17E-6	NA	NA	9.89E+6	Liquid	130.22
N-Nitrosodiphenylamine	86306	381	NR	NR	5.00E-6	0.0312	6.35E-6	NA	NA	35,100	Solid	198.22
Oxamyl	23135220	0.508	NR	NR	2.37E-10	0.08	8.0E-6	NA	NA	2.80E+8	Solid	219.29
Oxo-hexyl acetate	88230357	NA	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	144.2
Pendimethalin	40487421	1.24E+5	NR	NR	8.56E-7	0.08	8.0E-6	NA	NA	275	Solid	281.31
Pentachlorobenzene	608935	1.48E+5	NR	NR	8.40E-4	0.067	6.3E-6	NA	NA	650	Liquid	250.3
Pentachloronitrobenzene	82688	36,400	NR	NR	2.90E-2	0.08	8.0E-6	NA	NA	32	Solid	295.32
Pentachlorophenol	87865	Ionizing	592	NR	2.44E-8	0.056	6.1E-6	NA	NA	1.85E+6	Solid	266.32
Pentane	109660	2,300	NR	NR	1.26E+0	0.08	8.0E-6	0.015	-57	38,200	Liquid	72.15

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
2-Pentene	109682	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.58
Phenanthrene	85018	7.1E-3	NA	1.0E-1	NA	NA	0.2	1.0	0.1	1.0	4.6
Phenol	108952	6.0E-1	NA	6.0E+2	NA	NA	0.2	1.0	0.1	1.0	1.48
Phosphorus (Total)	7723140	1.1E+1	NA	NA	NA	NA	0.2	0.5	0.1	1.0	NR
Phthalic acid	88993	1.9E+0	NA	NA	NA	NA	0.2	1.0	0.1	1.0	0.73
Phthalic anhydride	85449	2.1E+0	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.6
Picloram	1918021	7.0E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	0.3
Piperidine	110894	4.4E-4	NA	1.4E+2	NA	NA	0.2	1.0	0.1	1.0	0.84
Polybrominated biphenyls	67774327	4.3E-6	7.2E+0	NA	NA	NA	0.2	0.5	0.1	1.0	7.07
Polychlorinated biphenyls (PCBs)	1336363	NA	2.0E+0	NA	6.0E-4	NA	0.2	0.5	0.14	1.0	5.58
Prometon	1610180	2.2E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.99
Propachlor	1918167	1.3E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.01
Propazine	139402	2.7E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.75
Propionic acid	79094	1.7E+0	NA	3.0E+2	NA	NA	0.2	1.0	0.1	1.0	0.28
Propyl alcohol	71238	1.9E-1	NA	7.3E+2	NA	6.14E+5	0.2	1.0	0.1	1.0	0.25
n-Propylbenzene	103651	1.1E-2	NA	2.0E+1	NA	NA	0.2	1.0	0.1	1.0	3.69
Propylene glycol	57556	2.0E+1	NA	6.0E+3	NA	NA	0.2	1.0	0.1	1.0	-0.92
Pyrene	129000	7.5E-2	NA	1.0E+2	NA	NA	0.2	0.5	0.1	1.0	5.11
Pyridine	110861	1.0E-3	NA	3.5E+0	NA	NA	0.2	1.0	0.1	1.0	0.67
Selenium	7782492	5.0E-3	NA	2.0E+0	NA	NA	0.2	0.5	0.01	1.0	NR
Silver	7440224	4.7E-3	NA	1.0E-1	NA	NA	0.2	0.5	0.01	1.0	NR
Silvex (2,4,5-TP)	93721	7.5E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	3.4
Simazine	122349	5.2E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.93

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
2-Pentene	109682	344	NR	NR	2.3E-1	0.08	8.0E-6	NA	NA	2.03E+5	Liquid	70.13
Phenanthrene	85018	33,300	NR	NR	2.3E-5	0.08	8.0E-6	NA	NA	1,000	Solid	178.24
Phenol	108952	17.8	NR	NR	3.97E-7	0.082	9.1E-6	0.018	175	8.28E+7	Liquid	147.01
Phosphorus (Total)	7723140	NA	NR	NR	NR	0.08	8.0E-6	NA	NA	NA	solid	30.974
Phthalic acid	88993	5.22	NR	NR	2.18E-12	0.08	8.0E-6	NA	NA	1.42E+7	Liquid	166.13
Phthalic anhydride	85449	37.4	NR	NR	1.63E-8	0.08	8.0E-6	1.7E+7	305	6.2E+6	Liquid	148.1
Picloram	1918021	1.97	NR	NR	4.05E-11	0.08	8.0E-6	NA	NA	4.30E+5	Solid	241.48
Piperidine	110894	6.7	NR	NR	4.45E-6	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	85.15
Polybrominated biphenyls	67774327	8.91E+6	NR	NR	3.90E-6	0.08	8.0E-6	NA	NA	1.66E+7	Solid	NA
Polychlorinated biphenyls (PCBs)	1336363	3.06E+5	NR	NR	4.20E-4	0.08	8.0E-6	NA	NA	44.7	Solid	268.4
Prometon	1610180	870	NR	NR	1.98E-9	0.08	8.0E-6	NA	NA	7.50E+5	Solid	225.29
Propachlor	1918167	94.6	NR	NR	1.09E-7	0.08	8.0E-6	NA	NA	6.55E+5	Solid	211.69
Propazine	139402	505	NR	NR	4.60E-9	0.08	8.0E-6	NA	NA	8,600	Solid	229.75
Propionic acid	79094	1.89	NR	NR	4.45E-7	0.08	8.0E-6	0.029	126	1.0E+9	Liquid	74.09
Propyl alcohol	71238	1.89	NR	NR	7.41E-6	0.08	8.0E-6	0.022	72	1.0E+9	Liquid	60.11
n-Propylbenzene	103651	4,240	NR	NR	NA	0.08	8.0E-6	NA	NA	NA	Liquid	120.19
Propylene glycol	57556	0.125	NR	NR	1.24E-8	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	76.1
Pyrene	129000	1.06E+5	NR	NR	1.10E-5	0.0272	7.24E-6	NA	NA	135	Solid	202.26
Pyridine	110861	4.56	NR	NR	7.00E-3	0.091	7.6E-6	0.018	68	3.00E+5	Liquid	79.11
Selenium	7782492	NR	NR	5	NR	NR	NR	NA	NA	NA	Inorganic	78.96
Silver	7440224	NR	NR	8.3	NR	NR	NR	NA	NA	NA	Inorganic	107.868
Silvex (2,4,5-TP)	93721	2,200	NR	NR	1.30E-8	0.08	8.0E-6	NA	NA	1.40E+5	Solid	269.51
Simazine	122349	79.0	NR	NR	3.37E-9	0.08	8.0E-6	NA	NA	4,470	Solid	201.67

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Sodium	17341252	3.4E+1	NA	NA	NA	NA	0.1	0.5	0.01	1.0	NR
Strontium	7440246	6.3E-1	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Styrene	100425	2.0E-1	1.3E-2	1.0E+3	5.7E-7	1.7E+5	0.2	1.0	0.1	1.0	2.94
Sulfate	14808798	NA	NA	NA	NA	NA	NA	0.5	0.1	1.0	NR
Tebuthiuron	34014181	7.0E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	1.78
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585416	NA	NA	NA	NA	NA	0.2	0.5	0.03	1.0	7.24
1,2,4,5-Tetrachlorobenzene	95943	3.4E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.64
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	NA	NA	NA	NA	NA	0.2	0.5	0.03	0.2	7.04
1,1,1,2-Tetrachloroethane	630206	8.9E-2	1.1E-2	NA	7.4E-6	NA	0.2	1.0	0.1	1.0	2.63
1,1,2,2-Tetrachloroethane	79345	NA	1.0E-1	NA	5.8E-5	NA	0.2	1.0	0.1	1.0	2.39
Tetrachloroethylene	127184	1.0E-2	2.6E-2	NA	5.8E-7	6.85E+5	0.2	1.0	0.1	1.0	2.67
Tetrahydrofuran	109999	1.3E-2	NA	5.9E+3	NA	7.37E+5	0.2	1.0	0.1	1.0	0.46
Tetranitromethane	509148	NA	NA	NA	1.5E-2	NA	0.2	1.0	0.1	1.0	-2.05
Thallium	7440280	6.7E-5	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Toluene	108883	2.2E-1	NA	4.0E+2	NA	NA	0.2	1.0	0.1	1.0	2.75
p-Toluidine	106490	NA	5.6E-2	NA	3.1E-5	NA	0.2	1.0	0.1	1.0	1.39
Toxaphene	8001352	NA	4.4E-1	NA	3.2E-4	1.0E+3	0.2	0.5	0.1	1.0	5.5
Triallate	2303175	1.3E-2	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.57
Tributylamine	102829	3.5E-3	NA	7.0E+0	NA	NA	0.2	1.0	0.1	1.0	4.46
1,2,4-Trichlorobenzene	120821	1.5E-2	NA	3.7E+2	NA	3.7E+4	0.2	1.0	0.1	1.0	4.01
1,1,1-Trichloroethane	71556	2.2E+0	NA	1.0E+3	NA	2.46E+6	0.2	1.0	0.1	1.0	2.48
1,1,2-Trichloroethane	79005	3.9E-3	2.9E-2	NA	1.6E-5	NA	0.2	1.0	0.1	1.0	2.05

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D, or D _a or D ^{alt})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Sodium	17341252	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	23
Strontium	7440246	NR	NR	NA	NR	NA	NA	NA	NA	NA	Inorganic	87.62
Styrene	100425	777	NR	NR	2.75E-3	0.071	8.0E-6	0.009	88	3.10E+5	Liquid	104.15
Sulfate	14808798	NR	NR	NA	NR	0.08	8.0E-6	NA	NA	NA	Inorganic	96.066
Tebuthiuron	34014181	56.2	NR	NR	2.40E-10	0.08	8.0E-6	NA	NA	2.50E+6	Solid	228.31
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585416	1.31E+7	NR	NR	2.95E-7	0.08	8.0E-6	NA	NA	0.00996	Solid	499.6
1,2,4,5-Tetrachlorobenzene	95943	36,400	NR	NR	1.20E-3	0.08	8.0E-6	NA	NA	1,300	Solid	215.28
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	8.33E+6	NR	NR	9.20E-6	0.047	8.0E-6	NA	NA	0.019	Solid	322
1,1,1,2-Tetrachloroethane	630206	145	NR	NR	2.40E-3	0.071	7.9E-6	NA	NA	1.10E+6	Liquid	167.85
1,1,1,2-Tetrachloroethane	79345	93.5	NR	NR	3.45E-4	0.071	7.9E-6	NA	NA	2.97E+6	Liquid	167.85
Tetrachloroethylene	127184	156	NR	NR	1.84E-2	0.072	8.2E-6	NA	NA	2.0E+5	Liquid	165.83
Tetrahydrofuran	109999	2.83	NR	NR	9.63E-3	0.08	8.0E-6	0.02	6.0	1.0E+9	Liquid	72.12
Tetranitromethane	509148	9.66E-3	NR	NR	2.6E-05	0.08	8.0E-6	NA	NA	85,000	Liquid	196.03
Thallium	7440280	NR	NR	71	NR	NR	NR	NA	NA	NA	Inorganic	204.383
Toluene	108883	180	NR	NR	6.64E-3	0.087	8.6E-6	0.011	40	5.26E+5	Liquid	92.14
p-Toluidine	106490	23.3	NR	NR	6.10E-6	0.08	8.0E-6	NA	188	7.60E+6	Liquid	107.17
Toxaphene	8001352	2.55E+5	NR	NR	6.00E-6	0.0116	4.34E-6	NA	NA	740	Solid	414
Triallate	2303175	31,100	NR	NR	1.93E-5	0.08	8.0E-6	NA	NA	4,000	Liquid	304.66
Tributylamine	102829	24,200	NR	NR	5.60E-3	0.08	8.0E-6	NA	NA	75,400	Liquid	185.4
1,2,4-Trichlorobenzene	120821	1,790	NR	NR	1.42E-3	0.03	8.23E-6	NA	222	3.00E+5	Liquid	181.45
1,1,1-Trichloroethane	71556	110	NR	NR	1.72E-2	0.078	8.8E-6	0.075	NA	1.33E+6	Liquid	133.4
1,1,2-Trichloroethane	79005	50.3	NR	NR	9.13E-4	0.078	8.8E-6	0.06	NA	4.42E+6	Liquid	133.4

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Oral Reference Dose (RfD)	Oral Slope Factor (SF)	Initial Threshold Screening Level (ITSL)	Inhalation Unit Risk Factor (IURF)	Occupational Short Term Exposure Level (STEL)	Relative Source Contribution for Drinking Water (RSC)	Ingestion Absorption Efficiency (AEi)	Dermal Absorption Efficiency (AEd)	Relative Source Contribution for Soil (RSC)	Log Octanol-Water Partition Coefficient (Log Kow)
		mg/kg-day	(mg/kg-day)	ug/m ³	(ug/m ³) ⁻¹	ug/m ³	unitless	unitless	unitless	unitless	unitless
Trichloroethylene	79016	1.7E-3	1.0E-2	NA	1.7E-6	5.37E+5	0.2	1.0	0.1	1.0	2.71
Trichlorofluoromethane	75694	3.5E-1	NA	5.62E+4	NA	5.62E+6	0.2	1.0	0.1	1.0	2.53
2,4,5-Trichlorophenol	95954	1.0E-1	NA	3.5E+2	NA	NA	0.2	1.0	0.1	1.0	3.9
2,4,6-Trichlorophenol	88062	NA	7.4E-3	NA	3.1E-6	NA	0.2	1.0	0.1	1.0	3.7
1,2,3-Trichloropropane	96184	5.7E-3	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.26
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.7E+1	NA	7.67E+4	NA	9.59E+6	0.2	1.0	0.1	1.0	3.15
Triethanolamine	102716	5.0E-1	NA	5.0E+1	NA	NA	0.2	1.0	0.1	1.0	-1.38
Triethylene glycol	112276	5.9E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-1.69
3-Trifluoromethyl-4-nitrophenol	88302	6.2E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	2.87
Trifluralin	1582098	5.1E-3	4.5E-3	NA	NA	NA	0.2	0.5	0.1	1.0	5.3
2,2,4-Trimethyl pentane	540841	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.09
2,4,4-Trimethyl-2-pentene	107404	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.0
1,2,4-Trimethylbenzene	95636	1.4E-1	NA	1.23E+3	NA	NA	0.2	1.0	0.1	1.0	3.67
1,3,5-Trimethylbenzene	108678	1.4E-1	NA	1.23E+3	NA	NA	0.2	1.0	0.1	1.0	3.5
Triphenyl phosphate	115866	1.6E-1	NA	NA	NA	NA	0.2	1.0	0.1	1.0	4.67
tris(2,3-Dibromopropyl)phosphate	126727	NA	1.2E+0	NA	5.3E-4	NA	0.2	1.0	0.1	1.0	3.51
Urea	57136	NA	NA	NA	NA	NA	0.2	1.0	0.1	1.0	-2.11
Vanadium	7440622	5.0E-3	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Vinyl acetate	108054	8.8E-2	NA	2.0E+2	NA	5.3E+4	0.2	1.0	0.1	1.0	0.73
Vinyl chloride	75014	3.0E-3	1.4E+0	1.0E+2	8.8E-6	NA	0.2	1.0	0.1	1.0	1.5
White phosphorus	12185103	1.5E-5	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR
Xylenes	1330207	1.8E+0	NA	4.4E+3	NA	6.51E+5	0.2	1.0	0.1	1.0	3.11
Zinc	7440666	3.3E-1	NA	NA	NA	NA	0.2	0.5	0.01	1.0	NR

TABLE 4. TOXICOLOGICAL AND CHEMICAL-PHYSICAL DATA FOR PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

Hazardous Substance	Chemical Abstract Service Number (CAS#)	Soil Organic Carbon-Water Partition Coefficients for Organic Compounds (Koc)	Soil K _{oc} for Ionizing Organic Compounds at pH=6.8	Soil-Water Distribution Coefficients for Inorganic Compounds at pH=6.8 (Kd)	Henry's Law Constant at 25°C (HLC)	Air Diffusivity (D _i or D _a or D ^{air})	Water Diffusivity (D _w)	Lower Explosive Limit in Air (LEL)	Flash Point (FP)	Water Solubility (S)	Physical State Identifier	Molecular Weight (MW)
		L/kg	L/kg	L/kg	atm-m ³ /mol	cm ² /s	cm ² /s	unitless	°F	ug/L		g/mol
Trichloroethylene	79016	168	NR	NR	1.03E-2	0.079	9.1E-6	0.08	NA	1.10E+6	Liquid	131.39
Trichlorofluoromethane	75694	121	NR	NR	1.3E-1	0.087	9.7E-6	NA	NA	1.10E+6	Liquid	137.38
2,4,5-Trichlorophenol	95954	Ionizing	1,597	NR	4.33E-6	0.0291	7.03E-6	NA	NA	1.20E+6	Solid	197.5
2,4,6-Trichlorophenol	88062	Ionizing	381	NR	7.79E-6	0.0318	6.25E-6	NA	NA	8.00E+5	Solid	197.5
1,2,3-Trichloropropane	96184	167	NR	NR	3.80E-4	0.071	7.9E-6	NA	160	1.90E+6	Liquid	147.43
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	1,250	NR	NR	5.3E-1	0.078	8.2E-6	NA	NA	1.70E+5	Liquid	187.38
Triethanolamine	102716	0.0440	NR	NR	3.38E-19	0.08	8.0E-6	NA	NA	1.0E+9	Liquid	149.19
Triethylene glycol	112276	0.0218	NR	NR	2.61E-10	0.0427	8.06E-6	NA	NA	1.00E+6	Liquid	150.17
3-Trifluoromethyl-4-nitrophenol	88302	663	NR	NR	1.92E-8	0.08	8.0E-6	NA	NA	5.00E+6	Solid	207
Trifluralin	1582098	1.62E+5	NR	NR	2.60E-5	0.08	8.0E-6	NA	NA	8,100	Solid	335.29
2,2,4-Trimethyl pentane	540841	2,080	NR	NR	3.13E+0	0.08	8.0E-6	0.011	10	2,330	Liquid	114.23
2,4,4-Trimethyl-2-pentene	107404	1,760	NR	NR	8.81E-1	0.08	8.0E-6	NA	NA	11,900	Liquid	112.2
1,2,4-Trimethylbenzene	95636	965	NR	NR	5.87E-3	0.08	8.0E-6	0.009	112	55,890	Liquid	120.2
1,3,5-Trimethylbenzene	108678	708	NR	NR	7.38E-3	0.08	8.0E-6	NA	122	61,150	Liquid	120.2
Triphenyl phosphate	115866	39,000	NR	NR	3.60E-7	0.08	8.0E-6	NA	NA	1,430	Liquid	326.3
tris(2,3-Dibromopropyl)phosphate	126727	2,820	NR	NR	3.00E-5	0.08	8.0E-6	NA	NA	4,700	Liquid	697.67
Urea	57136	0.0256	NR	NR	NR	0.08	8.0E-6	NA	NA	NA	Solid	60.07
Vanadium	7440622	NR	NR	1000	NR	NR	NR	NA	NA	NA	Inorganic	50.942
Vinyl acetate	108054	5.22	NR	NR	5.11E-4	0.085	9.2E-6	0.026	18	2.00E+7	Liquid	86.09
Vinyl chloride	75014	18.5	NR	NR	2.70E-2	0.106	1.23E-5	0.036	-110	2.76E+6	Liquid	62.5
White phosphorus	12185103	NR	NR	NA	NR	NR	NR	NA	NA	NA	Inorganic	123.9
Xylenes	1330207	348	NR	NR	6.04E-3	0.078	3.21E-5	NA	82	1.86E+5	Liquid	106.17
Zinc	7440666	NR	NR	62	NR	NR	NR	NA	NA	NA	Inorganic	65.39