

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

Note: The non-residential screening level below or site specific screening concentrations (utilizing site specific attenuation and exposure factors) can be used. In either case the site's remedy must include land use restrictions approved by the Division. For some non-residential structures (such as buildings with basements, or where building characteristics are similar to residential buildings, and building use does not promote high air exchange), the Residential Vapor Vapor Intrusion Screening Level table should be used.

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A)	Tox Basis	IASL (B)	Tox Basis	IASL (C)	Tox Basis
					TCR = 1.0E-06 THQ = 0.2		TCR = 1.0E-05 THQ = 0.2		TCR = 1.0E-04 THQ = 0.2	
75-07-0	Acetaldehyde	2.89E+03	7.88E+02	NC	5.57E+00	C	7.88E+00	NC	7.88E+00	NC
67-64-1	Acetone	1.90E+07	2.72E+06	NC	2.72E+04	NC	2.72E+04	NC	2.72E+04	NC
75-86-5	Acetone Cyanohydrin	3.30E+03	1.75E+02	NC	1.75E+00	NC	1.75E+00	NC	1.75E+00	NC
75-05-8	Acetonitrile	3.73E+04	5.26E+03	NC	5.26E+01	NC	5.26E+01	NC	5.26E+01	NC
107-02-8	Acrolein	3.51E+00	1.75E+00	NC	1.75E-02	NC	1.75E-02	NC	1.75E-02	NC
79-10-7	Acrylic Acid	5.79E+04	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
107-13-1	Acrylonitrile	3.11E+02	1.75E+02	NC	1.80E-01	C	1.75E+00	NC	1.75E+00	NC
309-00-2	Aldrin	1.39E+01	2.50E+00	C	2.50E-03	C	2.50E-02	C	2.50E-01	C
107-18-6	Allyl Alcohol	4.29E+02	8.76E+00	NC	8.76E-02	NC	8.76E-02	NC	8.76E-02	NC
107-05-1	Allyl Chloride	1.95E+00	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
7664-41-7	Ammonia	1.33E+05	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
75-85-4	Amyl Alcohol, tert-	4.66E+03	2.63E+02	NC	2.63E+00	NC	2.63E+00	NC	2.63E+00	NC
12674-11-2	Aroclor 1016	Not sufficiently toxic or volatile	6.13E+02	C	6.13E-01	C	6.13E+00	C	6.13E+01	C
11104-28-2	Aroclor 1221	7.15E+00	2.15E+01	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
11141-16-5	Aroclor 1232	7.15E+00	2.15E+01	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
53469-21-9	Aroclor 1242	2.77E+01	2.15E+01	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
12672-29-6	Aroclor 1248	1.20E+01	2.15E+01	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
11097-69-1	Aroclor 1254	1.86E+01	2.15E+01	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
11096-82-5	Aroclor 1260	Not sufficiently toxic or volatile	Not sufficiently toxic or volatile	C	2.15E-02	C	2.15E-01	C	2.15E+00	C
103-33-3	Azobenzene	Not sufficiently toxic or volatile	3.96E+02	C	3.96E-01	C	3.96E+00	C	3.96E+01	C
56-55-3	Benz[a]anthracene	Not sufficiently toxic or volatile	Not sufficiently toxic or volatile	C	1.11E-01	C	1.11E+00	C	Not sufficiently toxic or volatile	C
71-43-2	Benzene	6.93E+01	1.57E+03	C	1.57E+00	C	1.57E+01	C	2.63E+01	NC
100-44-7	Benzyl Chloride	5.20E+01	8.76E+01	NC	2.50E-01	C	8.76E-01	NC	8.76E-01	NC
92-52-4	Biphenyl, 1,1'-	2.78E+01	3.50E+01	NC	3.50E-01	NC	3.50E-01	NC	3.50E-01	NC
108-60-1	Bis(2-chloro-1-methylethyl) ether	4.04E+03	1.23E+03	C	1.23E+00	C	1.23E+01	C	1.23E+02	C
111-44-4	Bis(2-chloroethyl)ether	5.35E+02	3.72E+01	C	3.72E-02	C	3.72E-01	C	3.72E+00	C
542-88-1	Bis(chloromethyl)ether	1.11E-02	1.98E-01	C	1.98E-04	C	1.98E-03	C	1.98E-02	C
10294-34-5	Boron Trichloride	No Solubility	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawlspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawlspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A)	Tox Basis	IASL (B)	Tox Basis	IASL (C)	Tox Basis
					TCR = 1.0E-06 THQ = 0.2		TCR = 1.0E-05 THQ = 0.2		TCR = 1.0E-04 THQ = 0.2	
7637-07-2	Boron Trifluoride	No Henrys Law Constant	1.14E+03	NC	1.14E+01	NC	1.14E+01	NC	1.14E+01	NC
107-04-0	Bromo-2-chloroethane, 1-	5.50E+00	2.04E+01	C	2.04E-02	C	2.04E-01	C	2.04E+00	C
108-86-1	Bromobenzene	5.21E+02	5.26E+03	NC	5.26E+01	NC	5.26E+01	NC	5.26E+01	NC
74-97-5	Bromochloromethane	5.87E+02	3.50E+03	NC	3.50E+01	NC	3.50E+01	NC	3.50E+01	NC
75-27-4	Bromodichloromethane	3.83E+01	3.31E+02	C	3.31E-01	C	3.31E+00	C	3.31E+01	C
75-25-2	Bromoform	5.10E+03	1.11E+04	C	1.11E+01	C	1.11E+02	C	1.11E+03	C
74-83-9	Bromomethane	1.46E+01	4.38E+02	NC	4.38E+00	NC	4.38E+00	NC	4.38E+00	NC
106-99-0	Butadiene, 1,3-	5.82E-01	1.75E+02	NC	4.09E-01	C	1.75E+00	NC	1.75E+00	NC
78-92-2	Butyl alcohol, sec-	7.10E+07	2.63E+06	NC	2.63E+04	NC	2.63E+04	NC	2.63E+04	NC
75-15-0	Carbon Disulfide	1.04E+03	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
56-23-5	Carbon Tetrachloride	1.81E+01	2.04E+03	C	2.04E+00	C	2.04E+01	C	8.76E+01	NC
12789-03-6	Chlordane	Not sufficiently toxic or volatile	6.13E+01	NC	1.23E-01	C	6.13E-01	NC	6.13E-01	NC
7782-50-5	Chlorine	2.75E-01	1.31E+01	NC	1.31E-01	NC	1.31E-01	NC	1.31E-01	NC
10049-04-4	Chlorine Dioxide	No Henrys Law Constant	1.75E+01	NC	1.75E-01	NC	1.75E-01	NC	1.75E-01	NC
75-68-3	Chloro-1,1-difluoroethane, 1-	1.82E+04	4.38E+06	NC	4.38E+04	NC	4.38E+04	NC	4.38E+04	NC
126-99-8	Chloro-1,3-butadiene, 2-	1.78E-01	4.09E+01	C	4.09E-02	C	4.09E-01	C	4.09E+00	C
108-90-7	Chlorobenzene	3.45E+02	4.38E+03	NC	4.38E+01	NC	4.38E+01	NC	4.38E+01	NC
98-56-6	Chlorobenzotrifluoride, 4-	1.85E+02	2.63E+04	NC	2.63E+02	NC	2.63E+02	NC	2.63E+02	NC
75-45-6	Chlorodifluoromethane	2.64E+04	4.38E+06	NC	4.38E+04	NC	4.38E+04	NC	4.38E+04	NC
67-66-3	Chloroform	3.55E+01	5.33E+02	C	5.33E-01	C	5.33E+00	C	5.33E+01	C
74-87-3	Chloromethane	2.19E+02	7.88E+03	NC	7.88E+01	NC	7.88E+01	NC	7.88E+01	NC
107-30-2	Chloromethyl Methyl Ether	1.43E+01	1.78E+01	C	1.78E-02	C	1.78E-01	C	1.78E+00	C
88-73-3	Chloronitrobenzene, o-	2.30E+01	8.76E-01	NC	8.76E-03	NC	8.76E-03	NC	8.76E-03	NC
76-06-2	Chloropicrin	4.18E+00	3.50E+01	NC	3.50E-01	NC	3.50E-01	NC	3.50E-01	NC
98-82-8	Cumene	7.45E+02	3.50E+04	NC	3.50E+02	NC	3.50E+02	NC	3.50E+02	NC
57-12-5	Cyanide (CN-)	7.08E-01	7.01E+01	NC	7.01E-01	NC	7.01E-01	NC	7.01E-01	NC
110-82-7	Cyclohexane	8.57E+02	5.26E+05	NC	5.26E+03	NC	5.26E+03	NC	5.26E+03	NC
108-94-1	Cyclohexanone	1.67E+06	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
110-83-8	Cyclohexene	4.71E+02	8.76E+04	NC	8.76E+02	NC	8.76E+02	NC	8.76E+02	NC
72-55-9	DDE, p,p'-	Not sufficiently toxic or volatile	Not sufficiently toxic or volatile	C	1.26E-01	C	1.26E+00	C	1.26E+01	C
96-12-8	Dibromo-3-chloropropane, 1,2-	3.40E+00	2.04E+00	C	2.04E-03	C	2.04E-02	C	1.75E-01	NC
124-48-1	Dibromochloromethane	1.42E+02	4.54E+02	C	4.54E-01	C	4.54E+00	C	4.54E+01	C
106-93-4	Dibromoethane, 1,2-	7.69E+00	2.04E+01	C	2.04E-02	C	2.04E-01	C	2.04E+00	C
74-95-3	Dibromomethane (Methylene Bromide)	1.04E+02	3.50E+02	NC	3.50E+00	NC	3.50E+00	NC	3.50E+00	NC
764-41-0	Dichloro-2-butene, 1,4-	1.34E+00	2.92E+00	C	2.92E-03	C	2.92E-02	C	2.92E-01	C

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawlspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawlspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A)	Tox Basis	IASL (B)	Tox Basis	IASL (C)	Tox Basis
					TCR = 1.0E-06 THQ = 0.2		TCR = 1.0E-05 THQ = 0.2		TCR = 1.0E-04 THQ = 0.2	
1476-11-5	Dichloro-2-butene, cis-1,4-	1.08E+00	2.92E+00	C	2.92E-03	C	2.92E-02	C	2.92E-01	C
110-57-6	Dichloro-2-butene, trans-1,4-	1.08E+00	2.92E+00	C	2.92E-03	C	2.92E-02	C	2.92E-01	C
95-50-1	Dichlorobenzene, 1,2-	2.23E+03	1.75E+04	NC	1.75E+02	NC	1.75E+02	NC	1.75E+02	NC
106-46-7	Dichlorobenzene, 1,4-	1.13E+02	1.11E+03	C	1.11E+00	C	1.11E+01	C	1.11E+02	C
75-71-8	Dichlorodifluoromethane	6.25E+00	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
75-34-3	Dichloroethane, 1,1-	3.34E+02	7.67E+03	C	7.67E+00	C	7.67E+01	C	7.67E+02	C
107-06-2	Dichloroethane, 1,2-	9.78E+01	4.72E+02	C	4.72E-01	C	4.72E+00	C	6.13E+00	NC
75-35-4	Dichloroethylene, 1,1-	1.64E+02	1.75E+04	NC	1.75E+02	NC	1.75E+02	NC	1.75E+02	NC
78-87-5	Dichloropropane, 1,2-	3.04E+01	3.50E+02	NC	1.23E+00	C	3.50E+00	NC	3.50E+00	NC
542-75-6	Dichloropropene, 1,3-	1.21E+02	1.75E+03	NC	3.07E+00	C	1.75E+01	NC	1.75E+01	NC
77-73-6	Dicyclopentadiene	1.03E-01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
60-57-1	Dieldrin	6.52E+01	2.67E+00	C	2.67E-03	C	2.67E-02	C	2.67E-01	C
75-37-6	Difluoroethane, 1,1-	4.22E+04	3.50E+06	NC	3.50E+04	NC	3.50E+04	NC	3.50E+04	NC
94-58-6	Dihydrosafrole	1.40E+00	9.43E+02	C	9.43E-01	C	9.43E+00	C	9.43E+01	C
108-20-3	Diisopropyl Ether	5.86E+03	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
68-12-2	Dimethylformamide	8.70E+06	2.63E+03	NC	2.63E+01	NC	2.63E+01	NC	2.63E+01	NC
57-14-7	Dimethylhydrazine, 1,1-	6.17E+02	1.75E-01	NC	1.75E-03	NC	1.75E-03	NC	1.75E-03	NC
540-73-8	Dimethylhydrazine, 1,2-	2.70E+02	7.67E-02	C	7.67E-05	C	7.67E-04	C	7.67E-03	C
513-37-1	Dimethylvinylchloride	2.85E+00	9.43E+02	C	9.43E-01	C	9.43E+00	C	9.43E+01	C
123-91-1	Dioxane, 1,4-	1.25E+05	2.45E+03	C	2.45E+00	C	2.45E+01	C	2.63E+01	NC
106-89-8	Epichlorohydrin	7.05E+02	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
106-88-7	Epoxybutane, 1,2-	2.38E+03	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC
111-15-9	Ethoxyethanol Acetate, 2-	4.02E+05	5.26E+03	NC	5.26E+01	NC	5.26E+01	NC	5.26E+01	NC
110-80-5	Ethoxyethanol, 2-	9.12E+06	1.75E+04	NC	1.75E+02	NC	1.75E+02	NC	1.75E+02	NC
141-78-6	Ethyl Acetate	1.12E+04	6.13E+03	NC	6.13E+01	NC	6.13E+01	NC	6.13E+01	NC
75-00-3	Ethyl Chloride (Chloroethane)	1.93E+04	8.76E+05	NC	8.76E+03	NC	8.76E+03	NC	8.76E+03	NC
97-63-2	Ethyl Methacrylate	1.12E+04	2.63E+04	NC	2.63E+02	NC	2.63E+02	NC	2.63E+02	NC
100-41-4	Ethylbenzene	1.52E+02	4.91E+03	C	4.91E+00	C	4.91E+01	C	4.91E+02	C
75-21-8	Ethylene Oxide	2.30E+02	1.39E+02	C	1.39E-01	C	1.39E+00	C	1.39E+01	C
151-56-4	Ethyleneimine	1.31E+01	6.45E-01	C	6.45E-04	C	6.45E-03	C	6.45E-02	C
50-00-0	Formaldehyde	6.23E+05	8.58E+02	NC	9.43E-01	C	8.58E+00	NC	8.58E+00	NC
64-18-6	Formic Acid	3.85E+04	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
98-01-1	Furfural	2.84E+05	4.38E+03	NC	4.38E+01	NC	4.38E+01	NC	4.38E+01	NC
765-34-4	Glycidyl	2.73E+04	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
76-44-8	Heptachlor	7.85E+00	9.43E+00	C	9.43E-03	C	9.43E-02	C	9.43E-01	C

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawlspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawlspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A)	Tox Basis	IASL (B)	Tox Basis	IASL (C)	Tox Basis
					TCR = 1.0E-06 THQ = 0.2		TCR = 1.0E-05 THQ = 0.2		TCR = 1.0E-04 THQ = 0.2	
1024-57-3	Heptachlor Epoxide	5.50E+01	4.72E+00	C	4.72E-03	C	4.72E-02	C	4.72E-01	C
39635-31-9	Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Not sufficiently toxic or volatile	Not sufficiently toxic or volatile	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
118-74-1	Hexachlorobenzene	3.84E+00	2.67E+01	C	2.67E-02	C	2.67E-01	C	2.67E+00	C
38380-08-4	Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Not sufficiently toxic or volatile	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
69782-90-7	Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 157)	Not sufficiently toxic or volatile	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
52663-72-6	Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Not sufficiently toxic or volatile	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
32774-16-6	Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	1.68E-02	1.11E-02	C	1.11E-05	C	1.11E-04	C	1.11E-03	C
87-68-3	Hexachlorobutadiene	1.32E+01	5.57E+02	C	5.57E-01	C	5.57E+00	C	5.57E+01	C
77-47-4	Hexachlorocyclopentadiene	1.59E-01	1.75E+01	NC	1.75E-01	NC	1.75E-01	NC	1.75E-01	NC
67-72-1	Hexachloroethane	7.01E+01	1.11E+03	C	1.11E+00	C	1.11E+01	C	2.63E+01	NC
822-06-0	Hexamethylene Diisocyanate, 1,6-	4.46E+00	8.76E-01	NC	8.76E-03	NC	8.76E-03	NC	8.76E-03	NC
110-54-3	Hexane, N-	8.33E+00	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
591-78-6	Hexanone, 2-	6.90E+03	2.63E+03	NC	2.63E+01	NC	2.63E+01	NC	2.63E+01	NC
302-01-2	Hydrazine	1.00E+03	2.50E+00	C	2.50E-03	C	2.50E-02	C	2.63E-02	NC
7647-01-0	Hydrogen Chloride	2.10E-07	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC
74-90-8	Hydrogen Cyanide	1.29E+02	7.01E+01	NC	7.01E-01	NC	7.01E-01	NC	7.01E-01	NC
7664-39-3	Hydrogen Fluoride	2.89E+03	1.23E+03	NC	1.23E+01	NC	1.23E+01	NC	1.23E+01	NC
7783-06-4	Hydrogen Sulfide	5.01E+00	1.75E+02	NC	1.75E+00	NC	1.75E+00	NC	1.75E+00	NC
67-63-0	Isopropanol	5.29E+05	1.75E+04	NC	1.75E+02	NC	1.75E+02	NC	1.75E+02	NC
7439-97-6	Mercury (elemental)	5.63E-01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
126-98-7	Methacrylonitrile	2.60E+03	2.63E+03	NC	2.63E+01	NC	2.63E+01	NC	2.63E+01	NC
67-56-1	Methanol	9.42E+07	1.75E+06	NC	1.75E+04	NC	1.75E+04	NC	1.75E+04	NC
110-49-6	Methoxyethanol Acetate, 2-	6.89E+04	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
109-86-4	Methoxyethanol, 2-	1.30E+06	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC
96-33-3	Methyl Acrylate	2.15E+03	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.88E+06	4.38E+05	NC	4.38E+03	NC	4.38E+03	NC	4.38E+03	NC
60-34-4	Methyl Hydrazine	1.36E+04	1.75E+00	NC	1.23E-02	C	1.75E-02	NC	1.75E-02	NC
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	4.66E+05	2.63E+05	NC	2.63E+03	NC	2.63E+03	NC	2.63E+03	NC
624-83-9	Methyl Isocyanate	2.31E+01	8.76E+01	NC	8.76E-01	NC	8.76E-01	NC	8.76E-01	NC
80-62-6	Methyl Methacrylate	4.70E+04	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
25013-15-4	Methyl Styrene (Mixed Isomers)	2.85E+02	3.50E+03	NC	3.50E+01	NC	3.50E+01	NC	3.50E+01	NC
1634-04-4	Methyl tert-Butyl Ether (MTBE)	1.97E+04	4.72E+04	C	4.72E+01	C	4.72E+02	C	2.63E+03	NC
75-09-2	Methylene Chloride	3.96E+03	5.26E+04	NC	5.26E+02	NC	5.26E+02	NC	5.26E+02	NC
2385-85-5	Mirex	7.25E-01	2.40E+00	C	2.40E-03	C	2.40E-02	C	2.40E-01	C
91-20-3	Naphthalene	1.46E+02	2.63E+02	NC	3.61E-01	C	2.63E+00	NC	2.63E+00	NC

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawlspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawlspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A)	Tox Basis	IASL (B)	Tox Basis	IASL (C)	Tox Basis
					TCR = 1.0E-06 THQ = 0.2		TCR = 1.0E-05 THQ = 0.2		TCR = 1.0E-04 THQ = 0.2	
13463-39-3	Nickel Carbonyl	No Henrys Law Constant	1.23E+00	NC	1.23E-02	NC	1.23E-02	NC	1.23E-02	NC
98-95-3	Nitrobenzene	3.13E+03	3.07E+02	C	3.07E-01	C	3.07E+00	C	7.88E+00	NC
75-52-5	Nitromethane	3.75E+03	4.38E+02	NC	1.39E+00	C	4.38E+00	NC	4.38E+00	NC
79-46-9	Nitropropane, 2-	9.34E+00	4.54E+00	C	4.54E-03	C	4.54E-02	C	4.54E-01	C
62-75-9	Nitrosodimethylamine, N-	1.18E+02	8.76E-01	C	8.76E-04	C	8.76E-03	C	3.50E-02	NC
924-16-3	Nitroso-di-N-butylamine, N-	1.42E+02	7.67E+00	C	7.67E-03	C	7.67E-02	C	7.67E-01	C
10595-95-6	Nitrosomethylethylamine, N-	3.31E+02	1.95E+00	C	1.95E-03	C	1.95E-02	C	1.95E-01	C
111-84-2	Nonane, n-	1.26E-01	1.75E+03	NC	1.75E+01	NC	1.75E+01	NC	1.75E+01	NC
32598-14-4	Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Not sufficiently toxic or volatile	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
74472-37-0	Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	1.44E+01	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
31508-00-6	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	9.47E+00	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
65510-44-3	Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	1.44E+01	1.11E+01	C	1.11E-02	C	1.11E-01	C	1.11E+00	C
57465-28-8	Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	4.16E-03	3.23E-03	C	3.23E-06	C	3.23E-05	C	3.23E-04	C
109-66-0	Pentane, n-	1.71E+01	8.76E+04	NC	8.76E+02	NC	8.76E+02	NC	8.76E+02	NC
75-44-5	Phosgene	3.85E-01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
7803-51-2	Phosphine	2.64E-01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
123-38-6	Propionaldehyde	2.34E+03	7.01E+02	NC	7.01E+00	NC	7.01E+00	NC	7.01E+00	NC
103-65-1	Propyl benzene	2.04E+03	8.76E+04	NC	8.76E+02	NC	8.76E+02	NC	8.76E+02	NC
115-07-1	Propylene	3.28E+02	2.63E+05	NC	2.63E+03	NC	2.63E+03	NC	2.63E+03	NC
107-98-2	Propylene Glycol Monomethyl Ether	4.66E+07	1.75E+05	NC	1.75E+03	NC	1.75E+03	NC	1.75E+03	NC
75-56-9	Propylene Oxide	9.24E+03	2.63E+03	NC	3.31E+00	C	2.63E+01	NC	2.63E+01	NC
94-59-7	Safrole	5.25E+03	1.95E+02	C	1.95E-01	C	1.95E+00	C	1.95E+01	C
100-42-5	Styrene	7.79E+03	8.76E+04	NC	8.76E+02	NC	8.76E+02	NC	8.76E+02	NC
1746-01-6	TCDD, 2,3,7,8-	1.58E-03	3.23E-04	C	3.23E-07	C	3.23E-06	C	3.23E-05	C
70362-50-4	Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	1.22E+00	1.11E+00	C	1.11E-03	C	1.11E-02	C	1.11E-01	C
630-20-6	Tetrachloroethane, 1,1,1,2-	1.62E+02	1.66E+03	C	1.66E+00	C	1.66E+01	C	1.66E+02	C
79-34-5	Tetrachloroethane, 1,1,2,2-	1.41E+02	2.11E+02	C	2.11E-01	C	2.11E+00	C	2.11E+01	C
127-18-4	Tetrachloroethylene	4.84E+01	3.50E+03	NC	3.50E+01	NC	3.50E+01	NC	3.50E+01	NC
811-97-2	Tetrafluoroethane, 1,1,1,2-	3.43E+04	7.01E+06	NC	7.01E+04	NC	7.01E+04	NC	7.01E+04	NC
109-99-9	Tetrahydrofuran	6.08E+05	1.75E+05	NC	1.75E+03	NC	1.75E+03	NC	1.75E+03	NC
7550-45-0	Titanium Tetrachloride	No Henrys Law Constant	8.76E+00	NC	8.76E-02	NC	8.76E-02	NC	8.76E-02	NC
108-88-3	Toluene	1.61E+04	4.38E+05	NC	4.38E+03	NC	4.38E+03	NC	4.38E+03	NC
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.22E+03	2.63E+06	NC	2.63E+04	NC	2.63E+04	NC	2.63E+04	NC
120-82-1	Trichlorobenzene, 1,2,4-	3.02E+01	1.75E+02	NC	1.75E+00	NC	1.75E+00	NC	1.75E+00	NC
71-55-6	Trichloroethane, 1,1,1-	6.23E+03	4.38E+05	NC	4.38E+03	NC	4.38E+03	NC	4.38E+03	NC

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

CAS No.	Contaminant	Ground Water Screening Level (GWSL) ^{1,2} ug/L	Sub-slab and Exterior Soil Gas Screening Level (SGSL) ^{1,2} ug/m3	Cgw&Csg Tox Basis	Indoor Air and Crawlspace Screening Concentration (IASL) ^{1,2} ug/m3					
		Attenuation Factor (AF) = 0.001	Attenuation Factor (AF)= 0.010		Indoor Air/Crawlspace Screening Levels at Target Risk 1.0E-04 (IASL C) to be Used if only One Carcinogen is Present					
		GWSL=IASL (B) x 1/Henry's Constant x 1/AF	SGSL =IASL (B) x 1/AF		IASL (A) TCR = 1.0E-06 THQ = 0.2	Tox Basis	IASL (B) TCR = 1.0E-05 THQ = 0.2	Tox Basis	IASL (C) TCR = 1.0E-04 THQ = 0.2	Tox Basis
79-00-5	Trichloroethane, 1,1,2-	5.20E+00	1.75E+01	NC	1.75E-01	NC	1.75E-01	NC	1.75E-01	NC
79-01-6	Trichloroethylene	4.35E+00	1.75E+02	NC	1.75E+00	NC	1.75E+00	NC	1.75E+00	NC
75-69-4	Trichlorofluoromethane	1.55E+02	6.13E+04	NC	6.13E+02	NC	6.13E+02	NC	6.13E+02	NC
96-18-4	Trichloropropane, 1,2,3-	1.87E+01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
96-19-5	Trichloropropene, 1,2,3-	3.65E-01	2.63E+01	NC	2.63E-01	NC	2.63E-01	NC	2.63E-01	NC
121-44-8	Triethylamine	1.01E+03	6.13E+02	NC	6.13E+00	NC	6.13E+00	NC	6.13E+00	NC
526-73-8	Trimethylbenzene, 1,2,3-	2.46E+01	4.38E+02	NC	4.38E+00	NC	4.38E+00	NC	4.38E+00	NC
95-63-6	Trimethylbenzene, 1,2,4-	2.44E+01	6.13E+02	NC	6.13E+00	NC	6.13E+00	NC	6.13E+00	NC
108-05-4	Vinyl Acetate	8.39E+03	1.75E+04	NC	1.75E+02	NC	1.75E+02	NC	1.75E+02	NC
593-60-2	Vinyl Bromide	5.23E+00	2.63E+02	NC	3.83E-01	C	2.63E+00	NC	2.63E+00	NC
75-01-4	Vinyl Chloride	2.45E+01	2.79E+03	C	2.79E+00	C	2.79E+01	C	8.76E+01	NC
108-38-3	Xylene, m-	2.98E+02	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
95-47-6	Xylene, o-	4.14E+02	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
106-42-3	Xylene, P-	3.11E+02	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
1330-20-7	Xylenes	4.14E+02	8.76E+03	NC	8.76E+01	NC	8.76E+01	NC	8.76E+01	NC
140-88-5	Ethyl Acrylate	5.06E+02	7.01E+02	NC	7.01E+00	NC	7.01E+00	NC	7.01E+00	NC

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic

DIVISION OF WASTE MANAGEMENT NON-RESIDENTIAL VAPOR INTRUSION SCREENING CONCENTRATIONS

Not To Be Used for Structures Frequented or Occupied By Children

1. Based on June 2015 USEPA Regional Screening Level Target Air Concentrations and the USEPA VI Screening Level Calculator.

2. TCR = Target Cancer Risk; THQ=Target Hazard Quotient; C= Carcinogenic; N = Non-Carcinogenic