

Table 1
Summary of Soil Data for
Volatile Organic Compounds (VOCs)
EPA Method 5035/8260B
Greentree Centre
5055 & 5111-5141 Douglas Avenue, Racine, Wisconsin
concentrations in milligrams per kilogram (mg/kg)

Boring Number	TW-1	TW-3	EB-1 (ECS 2005)		EB-2 (ECS 2005)		Residual Contaminant Levels		
							Direct Contact		Soil to Groundwater
Sample Depth (feet bgs)	5	7	3	10	3	10	Non-Industrial	Industrial	
Acetone	—	—	—	—	—	—	63,400	100,000	1.8383
Benzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1.6	7.07	0.0026
Bromobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	342	679	NE
Bromochloromethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	216	906	NE
Bromodichloromethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.418	1.83	0.0002
Bromoform	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	25.4	113	0.0012
Bromomethane	<0.0699	<0.0699	<0.025	<0.025	<0.025	<0.026	9.6	43	0.0025
2-Butanone	—	—	—	—	—	—	28,400	28,400	0.833
n-Butylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	108	108	NE
sec-Butylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	145	145	NE
tert-Butylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	183	183	NE
Carbon disulfide	—	—	—	—	—	—	738	738	0.2959
Carbon tetrachloride	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.916	4.03	0.0019
Chlorobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	370	761	0.0679
Chloroethane	<0.0670	<0.0670	<0.025	<0.025	<0.025	<0.026	2,120	2,120	0.1133
2-Chloroethylvinyl ether	—	—	—	—	—	—	117	117	NE
Chloroform	<0.0464	<0.0464	<0.025	<0.025	<0.025	<0.026	0.454	1.98	0.0017
Chloromethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	159	669	0.0078
2-Chlorotoluene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	907	907	NE
4-Chlorotoluene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	253	235	NE
Dibromochloromethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	8.28	38.9	0.016
1,2-Dibromo-3-chloropropane	<0.0912	<0.0912	<0.025	<0.025	<0.025	<0.026	0.008	0.092	0.0000864
1,2-Dibromoethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.05	0.221	0.0000141
Dibromomethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	34	143	NE
1,2-Dichlorobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	376	376	0.584
1,3-Dichlorobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	297	297	0.5764
1,4-Dichlorobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	3.74	16.4	0.072
Dichlorodifluoromethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	126	530	1.5431
1,1-Dichloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	5.06	22.2	0.2417
1,2-Dichloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.652	2.87	0.0014
1,1-Dichloroethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	320	1,190	0.0025
cis-1,2-Dichloroethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	156	2,340	0.0206
trans-1,2-Dichloroethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	156	2,340	0.0313
1,2-Dichloropropane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.406	1.78	0.0017
1,3-Dichloropropane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1,490	1,490	NE
2,2-Dichloropropane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	191	191	NE
1,1-Dichloropropene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	NE	NE	NE
cis-1,3-Dichloropropene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	2.37	10.6	0.0001
trans-1,3-Dichloropropene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	2.37	10.6	0.0001
Diisopropyl ether	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	2,260	2,260	NE
Ethylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	8.02	35.4	0.785
Hexachloro-1,3-butadiene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1.63	7.19	NE
2-Hexanone	—	—	—	—	—	—	237	1,760	NE
Isopropylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	268	268	NE
p-Isopropyltoluene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	162	162	NE
4-Methyl-2-pentanone	—	—	—	—	—	—	3,360	3,360	0.1126
Methylene Chloride	0.512	0.371	<0.025	<0.025	<0.025	<0.026	61.8	1,150	0.0013
Methyl tertiary-butyl ether	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	63.8	282	0.0135
Naphthalene	<0.0400	<0.0400	0.34	<0.025	<0.025	<0.026	5.52	24.1	0.3291
n-Propylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	264	264	NE
Styrene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	867	867	0.11
1,1,1,2-Tetrachloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	2.78	12.3	0.0267
1,1,2,2-Tetrachloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.81	3.6	0.0000782
Tetrachloroethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	33	145	0.0023
Toluene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	818	818	0.5536
1,2,3-Trichlorobenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	62.6	934	NE
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.025	<0.025	<0.025	<0.026	24	113	0.204
1,1,1-Trichloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	640	640	0.0701
1,1,2-Trichloroethane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1.59	7.01	0.0016
Trichloroethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1.3	8.41	0.0018
Trichlorofluoromethene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	1,230	1,230	NE
1,2,3-Trichloropropane	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.005	0.109	0.026
1,2,4-Trimethylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	219	219	0.691
1,3,5-Trimethylbenzene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	2,250	32,400	0.691
Vinyl acetate	—	—	—	—	—	—	1,300	2,750	NE
Vinyl chloride	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	0.067	2.08	0.000069
m&p-Xylene	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.052	388	388	1.98
o-Xylene	<0.0250	<0.0250	<0.025	<0.025	<0.025	<0.026	434	434	1.98

Table 1 (Continued)
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Volatile Organic Compounds (VOCs)
EPA Method 5035/8260B
Greentree Centre
5055 & 5111-5141 Douglas Avenue, Racine, Wisconsin
concentrations in milligrams per kilogram (mg/kg)

Boring Number	EB-3 (ECS 2005)		EB-4 (ECS 2005)	EB-4A (ECS 2005)	EB-5 (ECS 2005)		Residual Contaminant Levels		
							Direct Contact		Soil to Groundwater
Sample Depth (feet bgs)	3	10	3	10	3	10	Non-Industrial	Industrial	
Acetone	—	—	—	—	—	—	63,400	100,000	1.8383
Benzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1.6	7.07	0.0026
Bromobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	342	679	NE
Bromochloromethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	216	906	NE
Bromodichloromethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.418	1.83	0.0002
Bromoform	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	25.4	113	0.0012
Bromomethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	9.6	43	0.0025
2-Butanone	—	—	—	—	—	—	28,400	28,400	0.833
n-Butylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	108	108	NE
sec-Butylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	145	145	NE
tert-Butylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	183	183	NE
Carbon disulfide	—	—	—	—	—	—	738	738	0.2959
Carbon tetrachloride	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.916	4.03	0.0019
Chlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	370	761	0.0679
Chloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2,120	2,120	0.1133
2-Chloroethylvinyl ether	—	—	—	—	—	—	117	117	NE
Chloroform	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.454	1.98	0.0017
Chloromethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	159	669	0.0078
2-Chlorotoluene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	907	907	NE
4-Chlorotoluene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	253	235	NE
Dibromochloromethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	8.28	38.9	0.016
1,2-Dibromo-3-chloropropane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.008	0.092	0.0000864
1,2-Dibromoethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.05	0.221	0.0000141
Dibromomethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	34	143	NE
1,2-Dichlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	376	376	0.584
1,3-Dichlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	297	297	0.5764
1,4-Dichlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	3.74	16.4	0.072
Dichlorodifluoromethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	126	530	1.5431
1,1-Dichloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	5.06	22.2	0.2417
1,2-Dichloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.652	2.87	0.0014
1,1-Dichloroethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	320	1,190	0.0025
cis-1,2-Dichloroethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	156	2,340	0.0206
trans-1,2-Dichloroethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	156	2,340	0.0313
1,2-Dichloropropane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.406	1.78	0.0017
1,3-Dichloropropane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1,490	1,490	NE
2,2-Dichloropropane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	191	191	NE
1,1-Dichloropropene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	NE	NE	NE
cis-1,3-Dichloropropene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2.37	10.6	0.0001
trans-1,3-Dichloropropene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2.37	10.6	0.0001
Diisopropyl ether	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2,260	2,260	NE
Ethylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	8.02	35.4	0.785
Hexachloro-1,3-butadiene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1.63	7.19	NE
2-Hexanone	—	—	—	—	—	—	237	1,760	NE
Isopropylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	268	268	NE
p-Isopropyltoluene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	162	162	NE
4-Methyl-2-pentanone	—	—	—	—	—	—	3,360	3,360	0.1126
Methylene Chloride	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	61.8	1,150	0.0013
Methyl tertiary-butyl ether	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	63.8	282	0.0135
Naphthalene	<0.027	<0.026	0.71	<0.025	0.031	<0.025	5.52	24.1	0.3291
n-Propylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	264	264	NE
Styrene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	867	867	0.11
1,1,1,2-Tetrachloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2.78	12.3	0.0267
1,1,1,2,2-Tetrachloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.81	3.6	0.0000782
Tetrachloroethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	33	145	0.0023
Toluene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	818	818	0.5536
1,2,3-Trichlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	62.6	934	NE
1,2,4-Trichlorobenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	24	113	0.204
1,1,1-Trichloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	640	640	0.0701
1,1,1,2-Trichloroethane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1.59	7.01	0.0016
Trichloroethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1.3	8.41	0.0018
Trichlorofluoromethene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	1,230	1,230	NE
1,2,3-Trichloropropane	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.005	0.109	0.026
1,2,4-Trimethylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	219	219	0.691
1,3,5-Trimethylbenzene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	2,250	32,400	0.691
Vinyl acetate	—	—	—	—	—	—	1,300	2,750	NE
Vinyl chloride	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	0.067	2.08	0.000069
m&p-Xylene	<0.054	<0.052	<0.054	<0.050	<0.052	<0.050	388	388	1.98
o-Xylene	<0.027	<0.026	<0.027	<0.025	<0.026	<0.025	434	434	1.98

Table 1 (Continued)
Summary of Soil Data for
Volatile Organic Compounds (VOCs)
EPA Method 5035/8260B
Greentree Centre
5055 & 5111-5141 Douglas Avenue, Racine, Wisconsin
concentrations in milligrams per kilogram (mg/kg)

Boring Number	B-1	B-2	B-3	B-4				Residual Contaminant Levels		
								Direct Contact		Soil to Groundwater
Date	4/1/2005	4/1/2005	4/1/2005	4/1/2005				Non-Industrial	Industrial	
Sample Depth (feet bgs)	2 to 4	3 to 5	3 to 5	2 to 4						
Acetone	<0.010	<0.010	<0.010	<0.010				63,400	100,000	1.8383
Benzene	<0.0015	<0.0015	<0.0015	0.0057				1.6	7.07	0.0026
Bromobenzene	—	—	—	—				342	679	NE
Bromochloromethane	—	—	—	—				216	906	NE
Bromodichloromethane	<0.0015	<0.0015	<0.0015	<0.0015				0.418	1.83	0.0002
Bromoform	<0.0012	<0.0012	<0.0012	<0.0012				25.4	113	0.0012
Bromomethane	<0.010	<0.010	<0.010	<0.010				9.6	43	0.0025
2-Butanone	<0.010	<0.010	<0.010	<0.010				28,400	28,400	0.833
n-Butylbenzene	—	—	—	—				108	108	NE
sec-Butylbenzene	—	—	—	—				145	145	NE
tert-Butylbenzene	—	—	—	—				183	183	NE
Carbon disulfide	<0.003	<0.003	<0.003	<0.003				738	738	0.2959
Carbon tetrachloride	<0.0023	<0.0023	<0.0023	<0.0023				0.916	4.03	0.0019
Chlorobenzene	<0.0015	<0.0015	<0.0015	<0.0015				370	761	0.0679
Chloroethane	<0.0015	<0.0015	<0.0015	<0.0015				2,120	2,120	0.1133
2-Chloroethylvinyl ether	<0.0074	<0.0074	<0.0074	<0.0074				117	117	NE
Chloroform	<0.0015	<0.0015	<0.0015	<0.0015				0.454	1.98	0.0017
Chloromethane	<0.010	<0.010	<0.010	<0.010				159	669	0.0078
2-Chlorotoluene	—	—	—	—				907	907	NE
4-Chlorotoluene	—	—	—	—				253	235	NE
Dibromochloromethane	<0.0015	<0.0015	<0.0015	<0.0015				8.28	38.9	0.016
1,2-Dibromo-3-chloropropane	—	—	—	—				0.008	0.092	8.64E-05
1,2-Dibromoethane	—	—	—	—				0.05	0.221	1.41E-05
Dibromomethane	—	—	—	—				34	143	NE
1,2-Dichlorobenzene	—	—	—	—				376	376	0.584
1,3-Dichlorobenzene	—	—	—	—				297	297	0.5764
1,4-Dichlorobenzene	—	—	—	—				3.74	16.4	0.072
Dichlorodifluoromethane	—	—	—	—				126	530	1.5431
1,1-Dichloroethane	<0.0015	<0.0015	<0.0015	<0.0015				5.06	22.2	0.2417
1,2-Dichloroethane	<0.0016	<0.0016	<0.0016	<0.0016				0.652	2.87	0.0014
1,1-Dichloroethene	<0.0027	<0.0027	<0.0027	<0.0027				320	1,190	0.0025
cis-1,2-Dichloroethene	<0.0015	<0.0015	<0.0015	<0.0015				156	2,340	0.0206
trans-1,2-Dichloroethene	<0.0016	<0.0016	<0.0016	<0.0016				156	2,340	0.0313
1,2-Dichloropropane	<0.0015	<0.0015	<0.0015	<0.0015				0.406	1.78	0.0017
1,3-Dichloropropane	—	—	—	—				1,490	1,490	NE
2,2-Dichloropropane	—	—	—	—				191	191	NE
1,1-Dichloropropene	—	—	—	—				NE	NE	NE
cis-1,3-Dichloropropene	<0.0013	<0.0013	<0.0013	<0.0013				2.37	10.6	0.0001
trans-1,3-Dichloropropene	<0.0013	<0.0013	<0.0013	<0.0013				2.37	10.6	0.0001
Diisopropyl ether	—	—	—	—				2,260	2,260	NE
Ethylbenzene	<0.0015	<0.0015	<0.0015	0.0017				8.02	35.4	0.785
Hexachloro-1,3-butadiene	—	—	—	—				1.63	7.19	NE
2-Hexanone	<0.010	<0.010	<0.010	<0.010				237	1,760	NE
Isopropylbenzene	—	—	—	—				268	268	NE
p-Isopropyltoluene	—	—	—	—				162	162	NE
4-Methyl-2-pentanone	<0.010	<0.010	<0.010	<0.010				3,360	3,360	0.1126
Methylene Chloride	<0.005	<0.005	<0.005	<0.005				61.8	1,150	0.0013
Methyl tertiary-butyl ether	—	—	—	—				63.8	282	0.0135
Naphthalene	—	—	—	—				5.52	24.1	0.3291
n-Propylbenzene	—	—	—	—				264	264	NE
Styrene	<0.001	<0.001	<0.001	<0.001				867	867	0.11
1,1,1,2-Tetrachloroethane	—	—	—	—				2.78	12.3	0.0267
1,1,1,2,2-Tetrachloroethane	<0.0023	<0.0023	<0.0023	<0.0023				0.81	3.6	7.82E-05
Tetrachloroethene	0.067	0.0082	0.0030	1.4				33	145	0.0023
Toluene	<0.0015	<0.0015	<0.0015	0.0065				818	818	0.5536
1,2,3-Trichlorobenzene	—	—	—	—				62.6	934	NE
1,2,4-Trichlorobenzene	—	—	—	—				24	113	0.204
1,1,1-Trichloroethane	<0.002	<0.002	<0.002	<0.002				640	640	0.0701
1,1,2-Trichloroethane	<0.0015	<0.0015	<0.0015	<0.0015				1.59	7.01	0.0016
Trichloroethene	<0.0015	<0.0015	<0.0015	0.0021				1.3	8.41	0.0018
Trichlorofluoromethene	—	—	—	—				1,230	1,230	NE
1,2,3-Trichloropropane	—	—	—	—				0.005	0.109	0.026
1,2,4-Trimethylbenzene	—	—	—	—				219	219	0.691
1,3,5-Trimethylbenzene	—	—	—	—				2,250	32,400	0.691
Vinyl acetate	<0.010	<0.010	<0.010	<0.010				1,300	2,750	NE
Vinyl chloride	<0.003	<0.003	<0.003	<0.003				0.067	2.08	0.000069
m&p-Xylene	—	—	—	—				388	388	1.98
o-Xylene	—	—	—	—				434	434	1.98
Xylenes (Total)	<0.0032	<0.0032	<0.0032	<0.0032				434	434	1.98

Table 1 (Continued)

Summary of Soil Data for
Volatile Organic Compounds (VOCs)
EPA Method 5035/8260B
Greentree Centre
5055 & 5111-5141 Douglas Avenue, Racine, Wisconsin

concentrations in milligrams per kilogram (mg/kg)

Boring Number	MW-1		MW-2	MW-5	MW-6	HA-2	HA-3	HA-4	Residual Contaminant Levels		
	Date	8/9/2017	8/9/2017	8/9/2017	8/10/2017	8-6-2019*	8-6-2019*	8-6-2019*	Direct Contact		Soil to Groundwater
									Non-Industrial	Industrial	
Sample Depth (feet bgs)	4	10	4	3	5	1 to 1.5	1 to 1.5	1 to 1.5			
Acetone	—	—	—	—	—	—	—	—	63,400	100,000	1.8383
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0024	<0.0038	<0.0024	1.6	7.07	0.0026
Bromobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0023	<0.0036	<0.0023	342	679	NE
Bromochloromethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0031	<0.0048	<0.0031	216	906	NE
Bromodichloromethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0022	<0.0034	<0.0022	0.418	1.83	0.0002
Bromoform	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0072	<0.0112	<0.0073	25.4	113	0.0012
Bromomethane	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0054	<0.0084	<0.0054	9.6	43	0.0025
2-Butanone	—	—	—	—	—	—	—	—	28,400	28,400	0.833
n-Butylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0039	<0.006	<0.0039	108	108	NE
sec-Butylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0032	<0.005	<0.0032	145	145	NE
tert-Butylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0027	<0.0042	<0.0027	183	183	NE
Carbon disulfide	—	—	—	—	—	—	—	—	738	738	0.2959
Carbon tetrachloride	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0028	<0.0044	<0.0028	0.916	4.03	0.0019
Chlorobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.0041	<0.0026	370	761	0.0679
Chloroethane	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0032	<0.005	<0.0033	2,120	2,120	0.1133
2-Chloroethylvinyl ether	—	—	—	—	—	—	—	—	117	117	NE
Chloroform	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0029	<0.0045	<0.0029	0.454	1.98	0.0017
Chloromethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	0.0077	0.0088	0.0068	159	669	0.0078
2-Chlorotoluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0029	<0.0045	<0.0029	907	907	NE
4-Chlorotoluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.004	<0.0026	253	235	NE
Dibromochloromethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0023	<0.0035	<0.0023	8.28	38.9	0.016
1,2-Dibromo-3-chloropropane	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0053	<0.0082	<0.0054	0.008	0.092	0.0000864
1,2-Dibromoethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.00036	<0.00056	<0.00032	0.05	0.221	0.0000141
Dibromomethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.0041	<0.0027	34	143	NE
1,2-Dichlorobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0022	<0.0034	<0.0022	376	376	0.584
1,3-Dichlorobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0019	<0.0038	<0.0025	297	297	0.5764
1,4-Dichlorobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.004	<0.0026	3.74	16.4	0.072
Dichlorodifluoromethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0023	<0.0036	<0.0024	126	530	1.5431
1,1-Dichloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0036	<0.0057	<0.0037	5.06	22.2	0.2417
1,2-Dichloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.00036	<0.00056	<0.00037	0.652	2.87	0.0014
1,1-Dichloroethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.003	<0.0047	<0.0031	320	1,190	0.0025
cis-1,2-Dichloroethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0038	<0.0059	<0.0038	156	2,340	0.0206
trans-1,2-Dichloroethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.0041	<0.0027	156	2,340	0.0313
1,2-Dichloropropane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0023	<0.0037	<0.0024	0.406	1.78	0.0017
1,3-Dichloropropane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0019	<0.003	<0.0024	1,490	1,490	NE
2,2-Dichloropropane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0029	<0.0045	<0.003	191	191	NE
1,1-Dichloropropene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0028	<0.0044	<0.0029	NE	NE	NE
cis-1,3-Dichloropropene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0051	<0.0079	<0.0051	2.37	10.6	0.0001
trans-1,3-Dichloropropene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0019	<0.0029	<0.0019	2.37	10.6	0.0001
Diisopropyl ether	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.002	<0.0031	<0.002	2,260	2,260	NE
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0031	<0.0048	<0.0031	8.02	35.4	0.785
Hexachloro-1,3-butadiene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0036	<0.0056	<0.0036	1.63	7.19	NE
2-Hexanone	—	—	—	—	—	—	—	—	237	1,760	NE
Isopropylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0026	<0.004	<0.0026	268	268	NE
p-Isopropyltoluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—	162	162	NE
4-Methyl-2-pentanone	—	—	—	—	—	—	—	—	3,360	3,360	0.1126
Methylene Chloride	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0025	<0.0038	<0.0025	61.8	1,150	0.0013
Methyl tertiary-butyl ether	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0037	<0.0057	<0.0037	63.8	282	0.0135
Naphthalene	<0.0400	<0.0400	0.139	0.373	<0.0400	<0.0037	<0.0057	<0.0037	5.52	24.1	0.3291
n-Propylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	—	—	—	264	264	NE
Styrene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.01	<0.016	<0.0108	867	867	0.11
1,1,1,2-Tetrachloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0021	<0.0033	<0.0022	2.78	12.3	0.0267
1,1,2,2-Tetrachloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0044	<0.0069	<0.0045	0.81	3.6	0.0000782
Tetrachloroethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0044	<0.0068	<0.0044	33	145	0.0023
Toluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0027	<0.0043	<0.0028	818	818	0.5536
1,2,3-Trichlorobenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0021	<0.0033	<0.0021	62.6	934	NE
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0021	<0.0033	<0.0022	24	113	0.204
1,1,1-Trichloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0029	<0.0045	<0.0029	640	640	0.0701
1,1,2-Trichloroethane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0027	<0.0043	<0.0028	1.59	7.01	0.0016
Trichloroethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0027	<0.0043	<0.0028	1.3	8.41	0.0018
Trichlorofluoromethene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0039	<0.0061	<0.004	1,230	1,230	NE
1,2,3-Trichloropropane	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0034	<0.0053	<0.0035	0.005	0.109	0.026
1,2,4-Trimethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0025	<0.0039	<0.0025	219	219	0.691
1,3,5-Trimethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0027	<0.0042	<0.0028	2,250	32,400	0.691
Vinyl acetate	—	—	—	—	—	—	—	—	1,300	2,750	NE
Vinyl chloride	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0043	<0.0067	<0.0044	0.067	2.08	0.000069
m&p-Xylene	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0056	<0.0087	<0.0056	388	388	1.98
o-Xylene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0021	<0.0033	<0.0022	434	434	1.98
Xylenes (Total)	<0.075	<0.075	<0.075	<0.075	<0.075	<0.0077	<0.11	<0.0078	434	434	1.98

Notes:

bgs = feet below ground surface

EB-1 = Soil boring completed by ECS (2005)

B-1 = Soil boring completed by Hygienetics (2005)

TW-1 = Soil boring completed by Apex (2017)

MW-4 = Soil borings completed by Apex (August 2017)

HA-3 = Hand Augers completed by Apex (August 2019) Post SVE system operation

< = Not Detected: Concentration less than the indicated laboratory detection limit

Detected compounds are shown as **bold**

— = specific parameter not included in analysis

NE = Remedial Objective not established

RCLs (Non-Industrial Direct-Contact) = Residual Contaminant Levels per the U.S. EPA's Regional Screening Level Web-Calculator (updated March 2017) in accordance with Wisconsin Administrative Code NR 720

RCLs (Industrial Direct-Contact) = Residual Contaminant Levels per the U.S. EPA's Regional Screening Level Web-Calculator (updated March 2017) in accordance with Wisconsin Administrative Code NR 720

RCLs (Soil to Groundwater) = Soil to Groundwater Residual Contaminant Levels per the U.S. EPA Regional Screening Level Web-Calculator (updated March 2017) in accordance with Wisconsin Administrative Code NR 720



Concentrations in excess of RCLs are shaded yellow

Exceeded RCLs are shaded green