

Data Tables (Attachment A)

- A.1** Groundwater Analytical Tables
- A.2** Soil Analytical Tables
- A.3** Residual Soil Contamination Table
- A.4** Vapor Analytical Tables
- A.5** Other media of Concern (***not attached, no other media identified***)
- A.6** Water Level Elevations
- A.7** Field Logs and Analytical Lab Reports Post Remediation

A.1
Summary of Groundwater Data for
Volatile Organic Compounds (VOCs), EPA Method 8260B
Greentree Cleaners
5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin
concentrations in micrograms per liter (µg/L)

Well Number	TW-1	MW-1	Dup (MW-1)	DUP	MW-1	MW-1	MW-1	Enforcement Standards
Date Collected	6/14/2017	8/9/2017	8/9/2017	2/22/2018	2/22/2018	5/22/2018	8/28/2018	
Benzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	5
Bromobenzene	<0.23	<2.3	<0.92	<0.23	<0.23	<0.23	<0.23	NE
Bromochloromethane	<0.34	<3.4	<1.4	<0.34	<0.34	<0.34	<0.34	NE
Bromodichloromethane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	0.60
Bromoform	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	4.4
Bromomethane	<2.4	<24.3	<9.7	<2.4	<2.4	<2.4	<2.4	10
n-Butylbenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
sec-Butylbenzene	<2.2	<21.9	<8.7	<2.2	<2.2	<2.2	<2.2	NE
tert-Butylbenzene	<0.18	<1.8	<0.72	<0.18	<0.18	<0.18	<0.18	NE
Carbon tetrachloride	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	5.0
Chlorobenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
Chloroethane	<0.37	<3.7	<1.5	<0.37	<0.37	<0.37	<0.37	400
Chloroform	<2.5	<25.0	<10.0	<2.5	<2.5	<2.5	<2.5	6.0
Chloromethane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
2-Chlorotoluene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
4-Chlorotoluene	<0.21	<2.1	<0.85	<0.21	<0.21	<0.21	<0.21	NE
Dibromochloromethane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	60
1,2-Dibromo-3- chloropropane	<2.2	<21.6	<8.7	<2.2	<2.2	<2.2	<2.2	NE
1,2-Dibromoethane	<0.18	<1.8	<0.71	<0.18	<0.18	<0.18	<0.18	0.05
Dibromomethane	<0.43	<4.3	<1.7	<0.43	<0.43	<0.43	<0.43	NE
1,2-Dichlorobenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	600
1,3-Dichlorobenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	600
1,4-Dichlorobenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	75
Dichlorodifluoromethane	<0.22	<2.2	<0.90	<0.22	<0.22	<0.22	<0.22	1,000
1,1-Dichloroethane	<0.41	<2.4	<0.97	<0.24	<0.24	<0.24	<0.24	850
1,2-Dichloroethane	<0.17	<1.7	<0.67	<0.17	<0.17	<0.17	<0.17	5.0
1,1-Dichloroethene	<0.41	<4.1	<1.6	<0.41	<0.41	<0.41	<0.41	7.0
cis-1,2-Dichloroethene	4.4	<2.6	1.3	4.1	5.0	4.7	6.1	70
trans-1,2-Dichloroethene	0.64	<2.6	<1.0	<0.26	<0.26	0.46 J	<1.1	100
1,2-Dichloropropane	<0.23	<2.3	<0.93	<0.23	<0.23	<0.23	<0.23	5.0
1,3-Dichloropropane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	0.4
2,2-Dichloropropane	<0.48	<4.8	<1.9	<0.48	<0.48	<0.48	<0.48	NE
1,1-Dichloropropene	<0.44	<4.4	<1.8	<0.44	<0.44	<0.44	<0.44	NE
cis-1,3-Dichloropropene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
trans-1,3-Dichloropropene	<0.23	<2.3	<0.92	<0.23	<0.23	<0.23	<0.23	NE
Diisopropyl ether	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
Ethylbenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	700
Hexachloro-1,3-butadiene	<2.1	<21.1	<8.4	<2.1	<2.1	<2.1	<2.1	NE
Isopropylbenzene	<0.14	<1.4	<0.57	<0.14	<0.14	<0.14	<0.14	NE
p-Isopropyltoluene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
Methylene Chloride	<0.23	<2.3	<0.93	<0.23	<0.23	<0.23	<0.23	5.0
Methyl tertiary-butyl ether	<0.17	<1.7	<0.70	<0.17	<0.17	<0.17	<0.17	60
Naphthalene	<2.5	<25.0	<10.0	<2.5	<2.5	<2.5	<2.5	100
n-Propylbenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	NE
Styrene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	100
1,1,2,2-Tetrachloroethane	<0.25	<2.5	<1.0	<0.25	<0.25	<0.25	<0.25	0.20
1,1,1,2-Tetrachloroethane	<0.18	<1.8	<0.72	<0.18	<0.18	<0.18	<0.18	70
Tetrachloroethene	<0.50	945	473	11.8	10.3	19.8	19.5	5.0
Toluene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	160
1,2,3-Trichlorobenzene	<2.1	<21.3	<8.5	<2.1	<2.1	<2.1	<2.1	NE
1,2,4-Trichlorobenzene	<2.2	<22.1	<8.8	<2.2	<2.2	<2.2	<2.2	14
1,1,1-Trichloroethane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	40
1,1,2-Trichloroethane	<0.24	<2.0	<0.79	<0.20	<0.20	<0.20	<0.20	0.5
1,2,3-Trichloropropane	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	12
1,2,4-Trimethylbenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	96
1,3,5-Trimethylbenzene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	96
Trichloroethene	<0.33	6.5	3.8	3.3	2.9	4.5	3.4	5.0
Trichlorofluoromethane	<0.18	<1.8	<0.74	<0.18	<0.18	<0.18	<0.18	NE
Vinyl chloride	8.4	10.7	7.5	6.7	6.0	13.5	20.4	0.2
m&p-Xylene	<1.0	<10.0	<4.0	<1.0	<1.0	<1.0	<1.0	2,000
o-Xylene	<0.50	<5.0	<2.0	<0.50	<0.50	<0.50	<0.50	2,000

A.1 (Continued)
Summary of Groundwater Data for
Volatile Organic Compounds (VOCs), EPA Method 8260B
Greentree Cleaners

5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin
concentrations in micrograms per liter (µg/L)

Well Number	MW-2	MW-2	MW-2	MW-2	MW-2	Groundwater Quality Standards
						Enforcement Standards
Date Collected	8/10/2017	2/22/2018	5/22/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	<0.50	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	<0.24	7
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	0.36 J	<0.27	70
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<1.1	<1.1	100
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.44	<0.54	NE
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3-Dichloropropene	<0.23	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3-butadiene	<2.1	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<1.7	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50	<0.50	<0.47	100
1,1,1,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.28	0.2
1,1,1,2-Tetrachloroethane	<0.18	<0.18	<0.18	<0.18	<0.27	70
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.33	5
Toluene	0.60	<0.50	<0.50	<0.50	<0.17	800
1,2,3-Trichlorobenzene	<2.1	<2.1	<2.1	<2.1	<0.63	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	<2.2	<2.2	<0.95	70
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.24	200
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.55	5
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	<0.59	60
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.84	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.87	480
Trichloroethene	<0.33	<0.33	<0.33	<0.26	<0.26	5
Trichlorofluoromethane	<0.18	<0.18	<0.18	<0.18	<0.21	NE
Vinyl chloride	0.83	2.9	10.4	12.3	7.3	0.2
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<0.47	2,000
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.26	2,000

Well Number	TW-3	MW-3	MW-3	MW-3	MW-3	MW-3	Groundwater Quality Standards
							Enforcement Standards
Date Collected	6/14/2017	8/10/2017	2/22/2018	5/22/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	<0.50	0.74	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3- chloropropane	<2.2	<2.2	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	<0.41	<0.24	7
cis-1,2-Dichloroethene	25.5	<0.26	<0.26	<0.26	0.40 J	.60J	70
trans-1,2-Dichloroethene	1.7	<0.26	<0.26	<0.26	<1.1	<1.1	100
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.44	<0.44	<0.54	NE
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3- Dichloropropene	<0.23	<0.23	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3- butadiene	<2.1	<2.1	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<0.17	<1.7	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50				

A..1 (Continued)
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Volatile Organic Compounds (VOCs), EPA Method 8260B
Greentree Cleaners
5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin
concentrations in micrograms per liter (µg/L)

Well Number	MW-4	MW-4	MW-4	MW-4	MW-4	Groundwater Quality Standards
						Enforcement Standards
Date Collected	8/9/2017	2/22/2018	5/22/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	<0.50	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	<0.24	7
cis-1,2-Dichloroethene	2.3	2.3	3.2	3.1	3.3	70
trans-1,2-Dichloroethene	0.27	<0.26	<0.26	<1.1	<1.1	100
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.44	<0.54	NE
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3-Dichloropropene	<0.23	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3- butadiene	<2.1	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<1.7	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50	<0.50	<0.47	100
1,1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.28	0.2
1,1,1,2-Tetrachloroethane	<0.18	<0.18	<0.18	<0.18	<0.27	70
Tetrachloroethene	3.2	4.6	10.2	10.2	7.1	5
Toluene	<0.50	<0.50	<0.50	<0.50	<0.17	800
1,2,3-Trichlorobenzene	<2.1	<2.1	<2.1	<2.1	<0.63	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	<2.2	<2.2	<0.95	70
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.24	200
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.55	5
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	<0.59	60
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.84	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.87	480
Trichloroethene	1.3	1.6	2.3	2.3	2.3	5
Trichlorofluoromethane	<0.18	<0.18	<0.18	<0.18	<0.21	NE
Vinyl chloride	0.21	<0.18	0.47 J	1.0	2.7	0.2
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<0.47	2,000
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.26	2,000

A1 (Continued)

Summary of Groundwater Data for

Volatile Organic Compounds (VOCs), EPA Method 8260B

Greentree Cleaners

5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin

concentrations in micrograms per liter (µg/L)

Well Number	MW-5	MW-5	MW-5	MW-5	MW-5	Groundwater Quality Standards
						Enforcement Standards
Date Collected	8/9/2017	2/22/2018	5/22/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	<0.50	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3- chloropropane	<2.2	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	<0.24	7
cis- 1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.27	<0.27	70
trans-1,2- Dichloroethene	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.44	<0.54	NE
cis- 1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3-Dichloropropene	<0.23	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3-butadiene	<2.1	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<1.7	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50	<0.50	<0.47	100
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.28	0.2
1,1,1,2-Tetrachloroethane	<0.18	<0.18	<0.18	<0.18	<0.27	70
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.33	5
Toluene	<0.50	<0.50	<0.50	<0.50	<0.17	800
1,2,3-Trichlorobenzene	<2.1	<2.1	<2.1	<2.1	<0.63	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	<2.2	<2.2	<0.95	70
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.24	200
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.55	5
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	<0.59	60
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.84	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.87	480
Trichloroethene	<0.33	<0.33	<0.33	<0.26	<0.26	5
Trichlorofluoromethane	<0.18	<0.18	<0.18	<0.18	<0.21	NE
Vinyl chloride	<0.18	<0.18	<0.18	<0.17	<0.17	0.2
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<0.47	2,000
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.26	2,000

A.1 (continued)

Summary of Groundwater Data for

Volatile Organic Compounds (VOCs), EPA Method 8260B

Greentree Cleaners

5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin

concentrations in micrograms per liter (µg/L)

Well Number	MW-6	MW-6	MW-6	MW-6	MW-6	Groundwater Quality Standards
						Enforcement Standard
Date Collected	8/10/2017	2/22/2018	5/22/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	0.97	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.41	<0.24	7
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	<0.27	70
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	<1.1	100
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.44	<0.54	NE
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3-Dichloropropene	<0.23	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3-butadiene	<2.1	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<1.7	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50	<0.50	<0.47	100
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25	<0.28	0.2
1,1,1,2-Tetrachloroethane	<0.18	<0.18	<0.18	<0.18	<0.27	70
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.33	5
Toluene	<0.50	<0.50	<0.50	<0.50	<0.17	800
1,2,3-Trichlorobenzene	<2.1	<2.1	<2.1	<2.1	<0.63	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	<2.2	<2.2	<0.95	70
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.24	200
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.55	5
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	<0.59	60
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.84	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.87	480
Trichloroethene	<0.33	<0.33	<0.33	<0.33	<0.26	5
Trichlorofluoromethane	<0.18	<0.18	<0.18	<0.18	<0.21	NE
Vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.17	0.2
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<0.47	2,000
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.26	2,000

A.1 (Continued)
Summary of Groundwater Data for
Volatile Organic Compounds (VOCs), EPA Method 8260B
Greentree Cleaners

5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin
concentrations in micrograms per liter (µg/L)

Well Number	MW-7	MW-7	Groundwater Quality Standards	
			Enforcement Standards	Preventative Action Limit
Date Collected	2/22/2018	5/22/2018		
Benzene	<0.50	<0.50	5	0.5
Bromobenzene	<0.23	<0.23	NE	NE
Bromochloromethane	<0.34	<0.34	NE	NE
Bromodichloromethane	<0.50	<0.50	0.6	0.06
Bromoform	<0.50	<0.50	4.4	0.44
Bromomethane	<2.4	<2.4	10	1
n-Butylbenzene	<0.50	<0.50	NE	NE
sec-Butylbenzene	<2.2	<2.2	NE	NE
tert-Butylbenzene	<0.18	<0.18	NE	NE
Carbon tetrachloride	<0.50	<0.50	5	0.5
Chlorobenzene	<0.50	<0.50	100	20
Chloroethane	<0.37	<0.37	400	80
Chloroform	<2.5	<2.5	6	0.6
Chloromethane	<0.50	<0.50	30	3
2-Chlorotoluene	<0.50	<0.50	NE	NE
4-Chlorotoluene	<0.21	<0.21	NE	NE
Dibromochloromethane	<0.50	<0.50	60	6
1,2-Dibromo-3-chloropropane	<2.2	<2.2	0.2	0.02
1,2-Dibromoethane	<0.18	<0.18	0.05	0.005
Dibromomethane	<0.43	<0.43	NE	NE
1,2-Dichlorobenzene	<0.50	<0.50	600	60
1,3-Dichlorobenzene	<0.50	<0.50	600	120
1,4-Dichlorobenzene	<0.50	<0.50	75	15
Dichlorodifluoromethane	<0.22	<0.22	1,000	200
1,1-Dichloroethane	<0.24	<0.24	850	85
1,2-Dichloroethane	<0.17	<0.17	5	0.5
1,1-Dichloroethene	<0.41	<0.41	7	0.7
cis-1,2-Dichloroethene	<0.26	<0.26	70	7
trans-1,2-Dichloroethene	<0.26	<0.26	<1.1	<1.1
1,2-Dichloropropane	<0.23	<0.23	5	0.5
1,3-Dichloropropane	<0.50	<0.50	NE	NE
2,2-Dichloropropane	<0.48	<0.48	NE	NE
1,1-Dichloropropene	<0.44	<0.44	NE	NE
cis-1,3-Dichloropropene	<0.50	<0.50	0.4	0.04
trans-1,3-Dichloropropene	<0.23	<0.23	0.4	0.04
Diisopropyl ether	<0.50	<0.50	NE	NE
Ethylbenzene	<0.50	<0.50	700	140
Hexachloro-1,3-butadiene	<2.1	<2.1	NE	NE
Isopropylbenzene	<0.14	<0.14	NE	NE
p-Isopropyltoluene	<0.50	<0.50	NE	NE
Methylene Chloride	<0.23	<0.23	5	0.5
Methyl tertiary-butyl ether	<0.17	<0.17	60	12
Naphthalene	<2.5	<2.5	100	10
n-Propylbenzene	<0.50	<0.50	NE	NE
Styrene	<0.50	<0.50	100	10
1,1,2,2-Tetrachloroethane	<0.25	<0.25	0.2	0.02
1,1,1,2-Tetrachloroethane	<0.18	<0.18	70	7
Tetrachloroethene	<0.50	<0.50	5	0.5
Toluene	<0.50	<0.50	800	160
1,2,3-Trichlorobenzene	<2.1	<2.1	NE	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	70	14
1,1,1-Trichloroethane	<0.50	<0.50	200	40
1,1,2-Trichloroethane	<0.20	<0.20	5	0.5
1,2,3-Trichloropropane	<0.50	<0.50	60	12
1,2,4-Trimethylbenzene	<0.50	<0.50	480	96
1,3,5-Trimethylbenzene	<0.50	<0.50	480	96
Trichloroethene	<0.33	<0.33	5	0.5
Trichlorofluoromethane	<0.18	<0.18	NE	NE
Vinyl chloride	<0.18	<0.18	0.2	0.02
m&p-Xylene	<1.0	<1.0	2,000	400
o-Xylene	<0.50	<0.50	2,000	400

A.1 (Continued)

Summary of Groundwater Data for

Volatile Organic Compounds (VOCs), EPA Method 8260B

Greentree Cleaners

5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin

concentrations in micrograms per liter (µg/L)

Well Number	MW-8	MW-8	TB	MW-8	Enforcement Standards
Date Collected	2/22/2018	8/28/2018	8/28/2018	11/15/2018	
Benzene	<0.50	<0.50	<0.50	<0.25	5
Bromobenzene	<0.23	<0.23	<0.23	<0.24	NE
Bromochloromethane	<0.34	<0.34	<0.34	<0.36	NE
Bromodichloromethane	<0.50	<0.50	<0.50	<0.36	0.6
Bromoform	<0.50	<0.50	<0.50	<4.0	4.4
Bromomethane	<2.4	<2.4	<2.4	<0.97	10
n-Butylbenzene	<0.50	<0.50	<0.50	<0.71	NE
sec-Butylbenzene	<2.2	<2.2	<2.2	<0.85	NE
tert-Butylbenzene	<0.18	<0.18	<0.18	<0.30	NE
Carbon tetrachloride	<0.50	<0.50	<0.50	<0.17	5
Chlorobenzene	<0.50	<0.50	<0.50	<0.71	100
Chloroethane	<0.37	<0.37	<0.37	<1.3	400
Chloroform	<2.5	<2.5	<2.5	<1.3	6
Chloromethane	<0.50	<0.50	<0.50	<2.2	30
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.93	NE
4-Chlorotoluene	<0.21	<0.21	<0.21	<0.76	NE
Dibromochloromethane	<0.50	<0.50	<0.50	<2.6	60
1,2-Dibromo-3-chloropropane	<2.2	<2.2	<2.2	<1.8	0.2
1,2-Dibromoethane	<0.18	<0.18	<0.18	<0.83	0.05
Dibromomethane	<0.43	<0.43	<0.43	<0.94	NE
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.71	600
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.63	600
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.94	75
Dichlorodifluoromethane	<0.22	<0.22	<0.22	<0.50	1,000
1,1-Dichloroethane	<0.24	<0.24	<0.24	<0.27	850
1,2-Dichloroethane	<0.17	<0.17	<0.17	<0.28	5
1,1-Dichloroethene	<0.41	<0.41	<0.41	<0.24	7
cis-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.27	70
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<1.1	100
1,2-Dichloropropane	<0.23	<0.23	<0.23	<0.28	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.83	NE
2,2-Dichloropropane	<0.48	<0.48	<0.48	<2.3	NE
1,1-Dichloropropene	<0.44	<0.44	<0.44	<0.54	NE
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<3.6	0.4
trans-1,3-Dichloropropene	<0.23	<0.23	<0.23	<4.4	0.4
Diisopropyl ether	<0.50	<0.50	<0.50	<1.9	NE
Ethylbenzene	<0.50	<0.50	<0.50	<0.22	700
Hexachloro-1,3-butadiene	<2.1	<2.1	<2.1	<1.2	NE
Isopropylbenzene	<0.14	<0.14	<0.14	<0.39	NE
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.80	NE
Methylene Chloride	<0.23	<0.23	<0.23	<0.58	5
Methyl tertiary-butyl ether	<0.17	<0.17	<0.17	<1.2	60
Naphthalene	<2.5	<2.5	<2.5	<1.2	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.81	NE
Styrene	<0.50	<0.50	<0.50	<0.47	100
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.28	0.2
1,1,1,2-Tetrachloroethane	<0.18	<0.18	<0.18	<0.27	70
Tetrachloroethene	<0.50	<0.50	<0.50	<0.33	5
Toluene	<0.50	<0.50	<0.50	<0.17	800
1,2,3-Trichlorobenzene	<2.1	<2.1	<2.1	<0.63	NE
1,2,4-Trichlorobenzene	<2.2	<2.2	<2.2	<0.95	70
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.24	200
1,1,2-Trichloroethane	<0.20	<0.20	<0.20	<0.55	5
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.59	60
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.84	480
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.87	480
Trichloroethene	<0.33	<0.33	<0.33	<0.26	5
Trichlorofluoromethane	<0.18	<0.18	<0.18	<0.21	NE
Vinyl chloride	<0.18	<0.18	<0.18	<0.17	0.2
m&p-Xylene	<1.0	<1.0	<1.0	<0.47	2,000
o-Xylene	<0.50	<0.50	<0.50	<0.26	2,000

Notes:

TW-1 = Temporary monitoring well installed by Apex (2017)

GW-2 = Temporary monitoring well installed by ECS (2005)

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

Detected concentrations are shown in **bold**.

NE = Remedial Objective not established.

Concentrations in excess of QQSs and/or VRSLs are shaded yellow

Exceeded QQSs and/or VRSLs are shaded green

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

A.2

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	EB-3 (ECS 2005)		EB-4 (ECS 2005)	EB-4A (ECS 2005)	EB-5 (ECS 2005)			Residual Contaminant Levels		
	3	10	3	10	3		10	Direct Contact		Soil to Groundwater
Sample Depth (feet bgs)								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
1,1,2,2-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
1,1,2-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

A.2
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	HA-2	HA-3	HA-4	Residual Contaminant Levels		
								Direct Contact		Soil to Groundwater
Sample Depth (feet bgs)	2 to 4	3 to 5	3 to 5	2 to 4	2	2	2	Non-Industrial	Industrial	
1,1,1,2-Tetrachloroethane	—	—	—	—	<2.1	<3.3	<2.2	2.78	12.3	0.0267
1,1,1-Trichloroethane	<0.002	<0.002	<0.002	<0.002	<2.9	<4.5	<2.9	640	640	0.0701
1,1,2,2-Tetrachloroethane	<0.0023	<0.0023	<0.0023	<0.0023	<4.4	<6.9	<4.5	0.81	3.6	0.0000782
1,1,2-Trichloroethane	<0.0015	<0.0015	<0.0015	<0.0015	<2.7	<4.3	<2.8	1.59	7.01	0.0016
1,1-Dichloroethane	<0.0015	<0.0015	<0.0015	<0.0015	<3.6	<5.7	<3.7	5.06	22.2	0.2417
1,1-Dichloroethene	<0.0027	<0.0027	<0.0027	<0.0027	<3.0	<4.7	<3.1	320	1,190	0.0025
1,1-Dichloropropene	—	—	—	—	<2.8	<4.4	<2.9	NE	NE	NE
1,2,3-Trichlorobenzene	—	—	—	—	<2.1	<3.3	<2.1	62.6	934	NE
1,2,3-Trichloropropane	—	—	—	—	<3.4	<5.3	<3.5	0.005	0.109	0.026
1,2,4-Trichlorobenzene	—	—	—	—	<2.1	<3.3	<2.2	24	113	0.204
1,2,4-Trimethylbenzene	—	—	—	—	<2.5	<3.9	<2.5	219	219	0.691
1,2-Dibromo-3-chloropropane	—	—	—	—	<5.3	<8.2	<5.4	0.008	0.092	0.0000864
1,2-Dibromoethane	—	—	—	—	<0.31	<0.48	<0.32	0.05	0.221	0.0000141
1,2-Dichlorobenzene	—	—	—	—	<2.2	<3.4	<2.2	376	376	0.584
1,2-Dichloroethane	<0.0016	<0.0016	<0.0016	<0.0016	<0.36	<0.56	<0.37	0.652	2.87	0.0014
1,2-Dichloropropane	<0.0015	<0.0015	<0.0015	<0.0015	<2.3	<3.7	<2.4	0.406	1.78	0.0017
1,3,5-Trimethylbenzene	—	—	—	—	<2.7	<4.2	<2.8	2,250	32,400	0.691
1,3-Dichlorobenzene	—	—	—	—	<2.5	<3.8	<2.5	297	297	0.5764
1,3-Dichloropropane	—	—	—	—	<1.9	<3.0	<2.0	1,490	1,490	NE
1,4-Dichlorobenzene	—	—	—	—	<2.6	<4.0	<2.6	3.74	16.4	0.072
2,2-Dichloropropane	—	—	—	—	<2.9	<4.5	<3.0	191	191	NE
2-Butanone	<0.010	<0.010	<0.010	<0.010	—	—	—	28,400	28,400	0.833
2-Chloroethylvinyl ether	<0.0074	<0.0074	<0.0074	<0.0074	—	—	—	117	117	NE
2-Chlorotoluene	—	—	—	—	<2.9	<4.5	<2.9	907	907	NE
2-Hexanone	<0.010	<0.010	<0.010	<0.010	—	—	—	237	1,760	NE
4-Chlorotoluene	—	—	—	—	<2.6	<4.0	<2.6	253	235	NE
4-Methyl-2-pentanone	<0.010	<0.010	<0.010	<0.010	—	—	—	3,360	3,360	0.1126
Acetone	<0.010	<0.010	<0.010	<0.010	—	—	—	63,400	100,000	1.8383
Benzene	<0.0015	<0.0015	<0.0015	0.0057	<2.4	<3.8	<2.4	1.6	7.07	0.0026
Bromobenzene	—	—	—	—	<2.3	<3.6	<2.3	342	679	NE
Bromochloromethane	—	—	—	—	<3.1	<4.8	<3.1	216	906	NE
Bromodichloromethane	<0.0015	<0.0015	<0.0015	<0.0015	<2.2	<3.4	<2.2	0.418	1.83	0.0002
Bromoform	<0.0012	<0.0012	<0.0012	<0.0012	<7.2	<11.2	<7.3	25.4	113	0.0012
Bromomethane	<0.010	<0.010	<0.010	<0.010	<5.4	<8.4	<5.4	9.6	43	0.0025
Carbon disulfide	<0.003	<0.003	<0.003	<0.003	—	—	—	738	738	0.2959
Carbon tetrachloride	<0.0023	<0.0023	<0.0023	<0.0023	<2.8	<4.4	<2.8	0.916	4.03	0.0019
Chlorobenzene	<0.0015	<0.0015	<0.0015	<0.0015	<2.6	<4.1	<2.6	370	761	0.0679
Chloroethane	<0.0015	<0.0015	<0.0015	<0.0015	<3.2	<5.0	<3.3	2,120	2,120	0.1133
Chloroform	<0.0015	<0.0015	<0.0015	<0.0015	<2.9	<4.5	<2.9	0.454	1.98	0.0017
Chloromethane	<0.010	<0.010	<0.010	<0.010	7.7	8.8 J	6.8 J	159	669	0.0078
cis-1,2-Dichloroethene	<0.0015	<0.0015	<0.0015	<0.0015	<3.8	<5.9	<3.8	156	2,340	0.0206
cis-1,3-Dichloropropene	<0.0013	<0.0013	<0.0013	<0.0013	<5.1	<7.9	<5.1	2.37	10.6	0.0001
Dibromochloromethane	<0.0015	<0.0015	<0.0015	<0.0015	<2.3	<3.5	<2.3	8.28	38.9	0.016
Dibromomethane	—	—	—	—	<2.6	<4.1	<2.7	34	143	NE
Dichlorodifluoromethane	—	—	—	—	<2.3	<3.6	<2.4	126	530	1.5431
Diisopropyl ether	—	—	—	—	<2.0	<3.1	<2.0	2,260	2,260	NE
Ethylbenzene	<0.0015	<0.0015	<0.0015	0.0017	<3.1	<4.8	<3.1	8.02	35.4	0.785
Hexachloro-1,3-butadiene	—	—	—	—	<3.6	<5.6	<3.6	1.63	7.19	NE
Isopropylbenzene	—	—	—	—	<2.6	<4.0	<2.6	268	268	NE
m&p-Xylene	—	—	—	—	<5.6	<8.7	<5.6	388	388	1.98
Methyl tertiary-butyl ether	—	—	—	—	<3.7	<5.7	<3.7	63.8	282	0.0135
Methylene Chloride	<0.005	<0.005	<0.005	<0.005	<2.5	<3.8	<2.5	61.8	1,150	0.0013
Naphthalene	—	—	—	—	<3.7	<5.7	<3.7	5.52	24.1	0.3291
n-Butylbenzene	—	—	—	—	<3.9	<6.0	<3.9	108	108	NE
n-Propylbenzene	—	—	—	—	<3.1	<4.9	<3.2	264	264	NE
o-Xylene	—	—	—	—	<2.1	<3.3	<2.2	434	434	1.98
p-Isopropyltoluene	—	—	—	—	<3.4	<5.3	<3.4	162	162	NE
sec-Butylbenzene	—	—	—	—	<3.2	<5.0	<3.2	145	145	NE
Styrene	<0.001	<0.001	<0.001	<0.001	<10.6	<16.5	<10.8	867	867	0.11
tert-Butylbenzene	—	—	—	—	<2.7	<4.2	<2.7	183	183	NE
Tetrachloroethene	0.067	0.0082	0.0030	1.4	<4.4	<6.8	<4.4	33	145	0.0023
Toluene	<0.0015	<0.0015	<0.0015	0.0065	<2.7	<4.3	<2.8	818	818	0.5536
trans-1,2-Dichloroethene	<0.0016	<0.0016	<0.0016	<0.0016	<2.6	<4.1	<2.7	156	2,340	0.0313
trans-1,3-Dichloropropene	<0.0013	<0.0013	<0.0013	<0.0013	<1.9	<2.9	<1.9	2.37	10.6	0.0001
Trichloroethene	<0.0015	<0.0015	<0.0015	0.0021	<2.7	<4.3	<2.8	1.3	8.41	0.0018
Trichlorofluoromethene	—	—	—	—	<3.9	<6.1	<4.0	1,230	1,230	NE
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	<4.3	<6.7	<4.4	0.067	2.08	0.000069
Xylenes (Total)	<0.0032	<0.0032	<0.0032	<0.0032	<5.6	<8.7	<5.6	434	434	1.98

Notes:

bgs = feet below ground surface

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

EB-1 = Soil boring completed by ECS (2015)

B-1 = Soil boring completed by ECS (2015)

< = 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

A.3
Residual Soil Contamination
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-4 (ECS 2005)	B-4	Residual Contaminant Levels		
						Direct Contact		Soil to Groundw ater
Sample Depth (feet bgs)	5	7	3	3	2 to 4	Non- Industrial	Industrial	
Benzene	<0.0250	<0.0250	<0.025	<0.027	0.0057	1.6	7.07	0.0026
Methylene Chloride	0.512	0.371	<0.025	<0.027	<0.005	61.8	1,150	0.0013
Naphthalene	<0.0400	<0.0400	0.34	0.71	—	5.52	24.1	0.3291
Tetrachloroethene	<0.0250	<0.0250	<0.025	<0.027	1.4	33	145	0.0023
Trichloroethene	<0.0250	<0.0250	<0.025	<0.027	0.0021	1.3	8.41	0.0018

Notes:

bgs = feet below ground surface

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

Detected compounds are shown as **bold**

— = specific parameter not included in analysis

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

A.4
Summary of Soil Gas Data for
Volatile Organic Compounds (VOCs)
EPA Method TO-15
Greentree Centre
5055 & 5111-5141 Douglas Avenue, Racine, Wisconsin
concentrations in micrograms per cubic meter (µg/m³)

Sub-slab Sample Number	SV-1	SV-1	SV-2	SV-2	SV-3	SV-3	SV-3	SV-4	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11	SV-12	SV-12	Sub-Slab Vapor Action Levels
	6/13/2017	6/27/2019	6/13/2017	1/4/2019	6/13/2017	1/4/2019	6/27/2019	8/16/2017	6/27/2019	8/16/2017	8/16/2017	8/16/2017	8/16/2017	9/13/2017	9/13/2017	9/13/2017	1/4/2019	6/27/2019	
Acetone	41.1	56.2	32.5	8.3	30.2	12.7	47.6	142	24.8	184	133	227	157	100	285	445	22	42.6	4,500,000
Benzene	1.3	0.6	1.4	<0.23	1.2	0.28	0.62	<2.1	0.5	<2.0	<2.1	<2.0	<2.2	2.8	4.3	4.7	0.7	0.72	530
Benzyl chloride	<0.28	<1.8	<0.25	<1.8	<0.29	<1.8	<1.9	<3.8	<1.8	<3.7	<3.8	<3.7	<4.0	<0.40	<0.41	<0.41	<1.9	<1.8	83
Bromodichloromethane	<0.33	<0.55	8.8	5.5	4.7	0.92	0.7	79.3	<0.56	<3.5	<3.7	<3.5	<3.8	<0.60	<0.62	<0.62	1.4	0.98	110
Bromoform	4.1	<2.1	3.9	<2.2	4.3	<2.2	<2.2	<6.6	<2.2	<6.3	<6.6	<6.3	<6.9	<1.2	<1.2	<1.2	<2.2	<2.2	3,700
Bromomethane	<0.52	<0.34	1.6	<0.35	<0.54	<0.35	<0.35	<3.3	<0.35	<3.2	<3.3	<3.2	<3.5	<0.35	<0.36	<0.36	<0.35	<0.35	730
1,3-Butadiene	<0.30	<0.19	<0.26	<0.19	<0.31	<0.19	<0.20	<1.7	<0.19	<1.6	<1.7	<1.6	<1.7	<0.35	<0.36	<0.36	<0.20	<0.19	140
2-Butanone	6.2	6.3	4.0	1.7	10.8	1.6	5.7	<3.3	<0.56	<3.1	<3.3	<3.1	14.1	8.1	7.6	31.9	4.6	3.7	730,000
Carbon disulfide	1.0	0.7	2.7	<0.33	25.3	<0.33	<0.34	<1.6	<0.33	<1.5	<1.6	<1.5	<1.7	0.53	<0.31	0.72	<0.34	0.49	100,000
Carbon tetrachloride	1.2	<0.64	1.2	<0.65	1.3	<0.65	0.69	<4.7	0.66	<4.6	<4.7	<4.6	<4.9	0.64	<0.56	0.76	<0.66	<0.65	670
Chlorobenzene	<0.23	<0.41	<0.20	<0.42	<0.23	<0.42	<0.43	<2.9	<0.42	<2.8	<2.9	<2.8	<3.0	<0.30	<0.31	<0.31	<0.43	<0.42	7,300
Chloroethane	<0.33	<0.39	1.9	<0.40	<0.34	<0.40	<0.40	<3.3	<0.40	<3.2	<3.3	<3.2	<3.4	<0.34	<0.36	<0.36	<0.40	<0.40	1,500,000
Chloroform	1.7	2.2	39.0	27.3	29.8	13.6	16.2	630	0.58	53	92.2	39.8	124	2	5.6	36.5	6.0	11.5	180
Chloromethane	1.9	<0.23	11.8	<0.24	<0.19	<0.24	<0.24	<1.7	0.26	<1.6	<1.7	<1.6	<1.8	<0.23	<0.23	<0.23	<0.24	<0.24	13,000
Cyclohexane	3.3	1.4	1.3	<0.54	1.7	<0.54	1.3	285	<0.54	354	316	612	524	4.6	3.8	8.2	<0.55	<0.54	880,000
Dibromochloromethane	<1.4	<1.1	3.7	1.5	1.7	<1.1	<1.1	<5.3	<1.1	<5.1	<5.3	<5.1	<5.5	<0.74	<0.77	<0.77	<1.1	<1.1	NE
1,2-Dibromoethane	<1.3	<0.55	<1.2	<0.56	<1.4	<0.56	<0.57	<4.8	<0.56	<4.6	<4.8	<4.6	<5.0	<0.56	<0.58	<0.58	<0.57	<0.56	6.8
1,2-Dichlorobenzene	<0.86	<0.74	<0.76	<0.76	<0.90	<0.76	<0.77	<3.0	<0.76	<2.9	<3.0	<2.9	<3.1	<0.55	<0.57	<0.57	<0.77	<0.76	29,000
1,3-Dichlorobenzene	2.3	<0.87	2.2	<0.88	2.4	<0.88	1.8	<2.3	<0.88	<2.2	<2.3	<2.2	<2.4	<0.78	<0.82	<0.82	<0.90	1.1	NE
1,4-Dichlorobenzene	2.5	<1.5	2.3	6.4	2.5	10.6	<1.6	12.4	<1.5	<3.2	<3.3	<3.2	16.3	<0.35	<0.36	<0.36	7.5	<1.5	370
Dichlorodifluoromethane	849	139	3.2	6.4	3.7	10.9	3.3	<6.7	2.9	115	<6.7	<6.4	<7.0	49	2.8	32.6	7.4	2.8	15,000
1,1-Dichloroethane	<0.26	<0.34	<0.23	<0.34	<0.27	<0.34	<0.35	<3.4	<0.34	<3.3	<3.4	<3.3	<3.6	<0.36	<0.37	<0.37	<0.35	<0.34	2,600
1,2-Dichloroethane	<0.34	<0.22	<0.31	<0.23	<0.36	<0.23	<0.23	<3.0	<0.23	<2.9	<3.0	<2.9	<3.2	<0.33	<0.35	<0.35	<0.23	<0.23	160
1,1-Dichloroethene	<0.40	<0.41	<0.353	<0.42	<0.42	<0.42	<0.42	<3.8	<0.42	<3.7	<3.8	<3.7	<4.0	<0.40	<0.41	<0.41	<0.42	<0.42	29,000
cis-1,2-Dichloroethene	<0.41	<0.33	2.2	13.4	5.4	<0.33	<0.34	32	<0.33	6	<3.5	28.2	3.9	<0.57	<0.60	<0.60	<0.34	<0.33	NE
trans-1,2-Dichloroethene	<0.65	<0.42	<0.57	<0.43	<0.67	<0.43	<0.44	<3.1	<0.43	<3.0	<3.1	<3.0	<3.3	<0.50	<0.52	<0.52	<0.68	<0.43	NE
1,2-Dichloropropane	<0.45	<0.34	<0.40	<0.35	<0.47	<0.35	<0.36	<3.6	<0.35	<3.4	<3.6	<3.4	<3.7	<0.51	<0.54	<0.54	<0.36	<0.35	410
cis-1,3-Dichloropropene	<0.62	<0.45	<0.55	<0.46	<0.65	<0.46	<0.47	<1.4	<0.46	<1.3	<1.4	<1.3	<1.5	<0.41	<0.43	<0.43	<0.47	<0.46	1,000
trans-1,3-Dichloropropene	<0.44	<0.65	<0.39	<0.67	<0.46	<0.67	<0.68	<2.3	<0.67	<2.2	<2.3	<2.2	<2.4	<0.71	<0.74	<0.74	<0.68	<0.67	1,000
Dichlorotetrafluoroethane	<0.52	<0.65	<0.46	<0.66	<0.54	<0.66	<0.68	<7.1	<0.66	<6.9	<7.1	<6.9	<7.4	<0.74	<0.77	<0.77	<0.68	<0.66	NE
Ethanol	79.7	734	32.5	27.1	64.4	18.4	666	45.5	127	54.6	193	1130	36	111	699	421	80.2	780	NE
Ethyl acetate	5.7	2.5	<0.52	<0.29	<0.61	<0.29	<0.29	<2.7	<0.29	21.3	<2.7	<2.6	<2.8	<0.33	<0.34	<0.34	<0.29	<0.29	10,000
Ethylbenzene	2.3	1	1.5	2.0	2.0	1.4	1.1	<2.8	0.9	<2.7	<2.8	<2.7	<2.9	4.0	3.3	5.1	2.3	1.3	1,600
4-Ethyltoluene	9.3	6.6	5.2	2.6	4.7	2.4	6.1	<2.4	<0.87	<2.3	<2.4	10.8	<2.5	1.1	2	<0.37	2.2	17.8	NE
n-Heptane	2.7	<0.57	1.3	<0.58	2.2	<0.58	<0.59	1,410	1.1	1740	1300	2090	1790	4.2	3.7	6.9	<0.59	2.4	NE
Hexachloro-1,3-butadiene	<1.1	<2.9	<0.97	<3.0	<1.1	<3.0	<3.1	<6.6	<3.0	<6.4	<6.6	<6.4	<6.9	<1.5	<1.5	<1.5	<3.1	<3.0	190
n-Hexane	5.0	<0.46	2.7	0.62	4.2	0.5	1.3	18.3	16.7	28.7	17.5	26	26.4	5.9	5.3	10.9	1.2	<0.47	100,000
2-Hexanone	<0.69	<1.1	<0.61	<1.1	<0.72	<1.1	<1.2	<3.6	<1.1	<3.5	<3.6	<3.5	<3.8	<1.0	<1.1	<1.1	<1.2	<1.1	4,400
Methylene Chloride	14.7	19.6	4.8	2.9	3.8	3.9	17.9	<24.5	105	71.7	<24.5	<23.6	<25.5	6.7	<2.7	<2.7	1.8	22.1	87,000
4-Methyl-2-pentanone	<0.36	2.7	<0.32	<0.79	<0.38	<0.79	0.94	<3.9	<0.79	<3.7	<3.9	<3.7	<4.0	<0.60	<0.62	9.4	<0.80	3.1	440,000
Methyl tertiary-butyl ether	<0.51	<0.99	<0.45	<1.0	<0.53	<1.0	<1.0	<5.0	<1.0	<4.9	<5.0	<4.9	<5.3	<1.1	<1.2	<1.2	<1.0	<1.0	16,000
Naphthalene	19.0	2.9	25.3	11.7	26.0	18.0	2.3	<9.4	<2.0	<9.0	<9.4	<9.0	<9.8	<1.0	<1.0	<1.0	12.7	4.8	120
2-Propanol	42.2	36.7	9.8	2.6	32.6	3.9	37.2	<5.6	<1.1	<5.4	37.5	248	<5.9	20.7	485	84.4	10.8	26.7	NE
Propylene	<0.23	<0.21	<0.20	<0.22	<0.24	<0.22	<0.22	<1.8	<0.22	<1.7	<1.8	<1.7	3.3	<0.26	<0.27	<0.27	<0.22	<0.22	440,000
Styrene	1.2	<0.51	1.6	<0.52	0.80	<0.52	<0.53	<2.2	<0.52	<2.1	<2.2	<2.1	<2.3	1.30	1.30	2.10	<0.53	<0.52	150,000
1,1,2,2-Tetrachloroethane	<0.55	<0.44	<0.49	<0.44	<0.58	<0.44	<0.45	<4.2	<0.44	<4.1	<4.2	<4.1	<4.4	<0.49	2.8	<0.51	<0.45	<0.44	70
Tetrachloroethene	116	30.8	4,570	490	7,720	128	61	26,100	4.3	3,700	2,340	2,590	2,230	100.0	127.0	4,530.0	119	83.8	6,000
Tetrahydrofuran	<0.20	<0.39	1.5	<0.40	<0.21	<0.40	<0.40	<1.7	<0.40	9.4	<1.7	<1.6	<1.8	<0.46	<0.48	25.8	<0.40	<0.40	290,000
Toluene	13.0	3.9	2.8	7.9	4.1	3.7	3.1	69.6	4.7	117	63	101	81.5	19.5	12.9	12.5	7.4	4.6	730,000
1,2,4-Trichlorobenzene	<1.5	<5.5	4.0	<5.7	<1.6	<5.7	<5.8	<15.4	<5.7	<14.8	<15.4	<14.8	<16.1	<1.6	<1.7	<1.7	<5.8	<5.7	290
1,1,1-Trichloroethane	<0.41	<0.46	<0.37	<0.47	<0.43	<0.47	<0.48	<5.5	<0.47	<5.3	<5.5	<5.3	<5.7	<0.57	<0.60	<0.60	<0.48	<0.47	730,000
1,1,2-Trichloroethane	<0.41	<0.37	<0.37	<0.38	<0.43	<0.38	<0.39	<3.6	<0.38	<3.5	<3.6	<3.5	<3.8	<0.38	<0.39	<0.39	<0.39	<0.38	29
Trichloroethene	2.7	1.1	28.6	44.9	48.0	2.0	2.1	491.0	<0.339	58.5	18.1	76.5	47.6	1.8	1.5	68.8	2.0	2.5	290
Trichlorofluoromethane	3.3	2.9	1.9	<0.56	1.9	1.1	1.5	<6.7	1.4	<6.5	<6.7	<6.5	<7.0	1.8	1.5	2.6	<0.57	1.5	NE
1,1,2-Trichlorotrifluoroethane	1.3	<0.84	1.2	<0.86	<0.53	<0.86	<0.87	<5.8	<0.86	<5.5	<5.8	<5.5	<6.0	<0.62	<0.65	<0.65	<0.87	<0.86	NE
1,2,4-Trimethylbenzene	36.6	15.3	10.6	6.7	16.5	6.6	10.3	14.2	1.2	14.9	11.4	15.8	<2.9	5.2	7.8	5.3	7.1	31.7	1,000
1,3,5-Trimethylbenzene	22.4	8.5	4.4	3.6	7.9	2.4	4.7	<3.8	<0.61	<3.6	<3.8	<3.6	<3.5	1.6	3.3	1.7	1.9	16.0	NE
Vinyl acetate	<0.55	<0.40	<0.49	<0.41	3.1	<0.41	<0.42	<2.1	<0.41	<2.0	<2.1	<2.0	12.4	3.5	<0.27	<0.27	<0.42	<0.41	29,000
Vinyl chloride	<0.33	<0																	

A.5

No other media of concern was identified (i.e. sediment or surface water).

A.6
Groundwater Elevation Measurements
Greentree Centre
5131 Douglas Avenue, Unit D, Racine, Racine County, Wisconsin

Apex Project No.: PECO_2017-100

Well Number	Top of Casing Elevation (ft - MSL)	Well Depth (ft)	Screened Interval (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft - MSL)	Difference (ft)
MW-1	631.72	19.5	9.5 to 19.5	August 14, 2017	12.00	619.72	--
				August 16, 2017	12.20	619.52	-0.20
				September 15, 2017	12.72	619.00	-0.52
				February 2, 2018	12.28	619.44	0.44
				May 22, 2018	10.10	621.62	2.18
				August 28, 2018	12.00	619.72	-1.90
				November 15, 2018	11.1	620.62	0.90
MW-2	631.15	19.5	9.5 to 19.5	August 14, 2017	11.86	619.29	--
				August 16, 2017	11.77	619.38	0.09
				September 15, 2017	12.25	618.90	-0.48
				February 2, 2018	11.59	619.56	0.66
				May 22, 2018	9.90	621.25	1.69
				August 28, 2018	10.90	620.25	-1.00
				November 15, 2018	10.20	620.95	0.70
MW-3	630.51	19.5	9.5 to 19.5	August 14, 2017	11.44	619.07	--
				August 16, 2017	11.61	618.90	-0.17
				September 15, 2017	12.11	618.40	-0.50
				February 2, 2018	12.25	618.26	-0.14
				May 22, 2018	11.12	619.39	1.13
				August 28, 2018	12.35	618.16	-1.23
				November 15, 2018	10.35	620.16	2.00
MW-4	630.71	19.5	9.5 to 19.5	August 14, 2017	11.45	619.26	--
				August 16, 2017	11.58	619.13	-0.13
				September 15, 2017	12.13	618.58	-0.55
				February 2, 2018	11.94	618.77	0.19
				May 22, 2018	10.15	620.56	1.79
				August 28, 2018	11.45	619.26	-1.30
				November 15, 2018	10.15	620.56	1.30
MW-5	630.32	19.5	9.5 to 19.5	August 14, 2017	11.41	618.91	--
				August 16, 2017	11.50	618.82	-0.09
				September 15, 2017	12.03	618.29	-0.53
				February 2, 2018	11.91	618.41	0.12
				May 22, 2018	10.42	619.90	1.49
				August 28, 2018	11.50	618.82	-1.08
				November 15, 2018	10.05	620.27	1.45
MW-6	630.38	20	10 to 20	August 14, 2017	11.29	619.09	--
				August 16, 2017	11.41	618.97	-0.12
				September 15, 2017	11.96	618.42	-0.55
				February 2, 2018	11.62	618.76	0.34
				May 22, 2018	10.60	619.78	1.02
				August 28, 2018	12.60	617.78	-2.00
				November 15, 2018	11.10	619.28	1.50
MW-7	631.07	19.5	9.5 to 19.5	August 14, 2017	9.43	621.64	--
				August 16, 2017	9.21	621.86	0.22
				September 15, 2017	9.48	621.59	-0.27
				February 2, 2018	9.18	621.89	0.30
				May 22, 2018	--	--	--
				August 28, 2018	--	--	--
				November 15, 2018	--	--	--
MW-8	631.46	20	10 to 20	August 14, 2017	--	--	--
				August 16, 2017	--	--	--
				September 15, 2017	13.11	618.35	--
				February 2, 2018	14.96	616.50	-1.85
				May 22, 2018	11.28	620.18	3.68
				August 28, 2018	12.60	618.86	-1.32
				November 15, 2018	11.15	620.31	1.45

Notes: MSL - Mean Sea Level