Table

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 ($\mu g/m^3$)

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		
																			RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL
	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	AF = 0.03	AF = 0.03	AF = 0.01
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**	120	530	1,600
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**	40.0	180	530
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	3,100	13,000	39,000
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**	3,300	15,000	44,000
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	600	2,600	7,700
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	37	160	470
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	7,000	29,000	88,000
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	NE	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	NE	NE
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**	370.0	1,600	4,900
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**	21,000	87,000	260,000
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	3,700	16,000	47,000
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**	28.0	120	360
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**	1,400.0	6,000	18,000
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**	170,000	730,000	2,200,000
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	170,000	730,000	2,200,000
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**	70.0	290	880
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	NE	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**	2,100	8,700	26,000
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**	2,100	8,700	26,000
Vinyl chloride	<0.33	<0.19	<0.29	<0.19	<0.34	<0.19	<0.20	<2.0	<0.41	<2.0	<2.0	<2.0	<2.1	<0.21	<0.22	<0.22	<0.20	<0.19	57	930	2,800
m,p-Xylene	**6.3**	**3.6**	**2.8**	**9.1**	**3.3**	**6.6**	**4.1**	**<5.6**	**2.9**	<5.4	<5.6	<5.4	<5.9	**7.1**	**7.4**	**10.4**	**9.4**	**5.4**	3,300	15,000	44,000
o-Xylene	**3..4**	**3.8**	**1.5**	**3.4**	**2.2**	**2.7**	**3**	<2.8	**0.9**	<2.7	<2.8	<2.0	<3.0	**3.3**	**3.5**	**4.1**	**3.8**	**8.8**	3300	15,000	44,000

Notes:

SV-2 = Sub-slab vapor sample collected by Apex

Concentrations expressed in micrograms per cubic meter ($\mu g/m^3$)

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

Detected concentrations are shown in **bold**.

AF = Attenuation Factor

NE = Remedial Objective not established.

Sub-Slab Vapor Action Levels (VALs)

Exceeds Small Commercial Vapor Action Limit

Vapor Action Limit Exceeded