

**Table A.4.2. Vapor Analytical Table - Sub-Slab Residential**  
**Donaldson's One Hour Cleaners, Neenah, Wisconsin / SCS Engineers Project #25214203.00**  
 (Results are in ppbv)

Sample	Location	Date	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Other VOCs
SSV-11	116 West Cecil Street - Basement	12/19/2013	--	6.0 F	<2.1	<2.1	<2.1	<2.1	NA
		3/14/2014	--	4.1	<0.43	<0.43	<0.43	<0.43	NA
		6/30/2014	--	31	0.61	0.32	<0.085	<0.085	NA
SSV-12	116 West Cecil Street - Garage	12/19/2013	--	0.67 F	<0.43	<0.43	<0.43	<0.43	NA
		3/14/2014	--	1.4	<0.43	<0.43	<0.43	<0.43	NA
		6/30/2014	--	15	<2.1	<2.1	<2.1	<2.1	NA
SS-1	109 W. Cecil Street	11/12/2003	--	<0.68	<0.68	<0.68	<2.7	NA	Toluene 29 Acetone 7.9 Ethanol 16
VP-1 (NE)	109 W. Cecil Street - Northeast	12/29/2015	--	0.234	<0.200	<0.200	<0.200	<0.200	Acetone 17.2 1,4-Dioxane 0.274 Ethanol 8.17 Trichlorofluoromethane 0.242 Dichlorodifluoromethane 0.397 n-Hexane 0.216 2-Propanol 1.1 Propene 0.622 Toluene 0.412
		3/30/2016	--	0.240	<0.200	<0.200	<0.200	<0.200	Acetone 1.27 Ethanol 2.34 Trichlorofluoromethane 0.350 Dichlorodifluoromethane 0.612 n-Hexane 0.260 1,2,4-Trimethylbenzene 0.465 2,2,4-Trimethylpentane 0.292
VP-2 (C)	109 W. Cecil Street - Center	12/29/2015	--	0.439	<0.200	<0.200	<0.200	<0.200	Acetone 10.5 Benzene 0.248 Chloroform 0.644 Cyclohexane 0.881 Ethanol 22.5 Ethylbenzene 0.262 Trichlorofluoromethane 0.245 Dichlorodifluoromethane 0.509 Heptane 1.25 n-Hexane 2.29 2-Propanol 2.55 Toluene 1.44
		3/30/2016	--	0.560	<0.200	<0.200	<0.200	<0.200	Acetone 2.55 Carbon disulfide 0.362 Chloroform 0.622 Cyclohexane 0.251 Ethanol 11.7 Trichlorofluoromethane 0.334 Dichlorodifluoromethane 0.572 n-Hexane 0.337 Methylene Chloride 0.493 2-Propanol 3.75 Toluene 1.64 1,2,4-Trimethylbenzene 0.555

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Sample	Location	Date	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Other VOCs
Vapor Risk Screening Level (Residential Building)				210	13	NE	NE	22	Acetone 441,767 Carbon disulfide 7,689 Chloroform 8.0 Cyclohexane 60,125 Dichlorodifluoromethane 670 n-Hexane 6,792 Methylene Chloride 6,000 2-Propanol 2,806 Propene 20,681 Toluene 47,000 1,2,4-Trimethylbenzene 50

Abbreviations:

ppbv = parts per billion by volume  
 cis-1,2-DCE = cis-1,2-dichloroethene  
 -- = not applicable

PCE = tetrachloroethene  
 trans-1,2-DCE = trans-1,2-dichloroethene

TCE = trichloroethene  
 NE = not established

Notes:

1. Samples were collected in 6-liter summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels are based on May 2016 USEPA Regional Screening Levels for resident ambient air.
3. **Bold+underlined** values meet or exceed Vapor Risk Screening Levels for Residential settings.

November 12, 2003 samples collected by Northern Environmental.  
 December 19, 2013, March 14, 2014, and June 30, 2014 samples collected by SCS Engineers.  
 December 29, 2015 and March 30, 2016 samples collected by Bay Environmental Strategies, Inc.

Lab Notes:

F next to result = Result is between level of detection and level of quantification.

I:\25214203\Reports\Report 2 - Case Closure Report\Attachment A Data Tables\[A.4.2 Vapor Analytical Table\_Sub-Slab\_Residential\_revised.xls]Sub-Slab Results

Created by: LMH  
 Last revision by: LMH  
 Checked by: REL

Date: 1/22/2014  
 Date: 3/16/2017  
 Date: 3/20/2017