

Table A.4.4. Vapor Analytical Table - Ambient Air 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
IA-11	116 West Cecil Street - Basement	12/18/2013	--	<0.085	<0.085	<0.085	<0.085	<0.085	NA
OA-6	116 West Cecil Street - Outdoor Background	12/18/2013	--	0.19 F	<0.085	<0.085	<0.085	<0.085	NA
109-Basement	109 W. Cecil Street-Center of Basement	12/29/2015	--	<0.200	0.342	<0.200	<0.200	<0.200	Acetone 7.12 Benzene 0.244 Chloromethane 0.508 1,2-Dichloroethane 0.623 Ethanol 262 Trichlorofluoromethane 0.213 Dichlorodifluoromethane 0.466 Heptane 0.280 n-Hexane 0.265 2-Propanol 7.11 Propene 1.13 Toluene 1.19
		3/30/2016	--	0.203	<0.200	<0.200	<0.200	<0.200	Acetone 3.55 Chloromethane 0.626 1,2-Dichloroethane 0.648 Ethanol 152 E Trichlorofluoromethane 0.234 Dichlorodifluoromethane 0.400 n-Hexane 0.251 2-Propanol 3.70 Toluene 0.533
109-First Floor	109 W. Cecil Street-Center of First Floor	12/29/2015	--	<0.200	<0.200	<0.200	<0.200	<0.200	Acetone 7.30 Benzene 0.260 Chloromethane 0.657 1,2-Dichloroethane 0.837 Ethanol 369 Trichlorofluoromethane 0.237 Dichlorodifluoromethane 0.457 Heptane 0.360 n-Hexane 0.302 2-Propanol 4.22 Toluene 1.26
		3/30/2016	--	<1.60	<1.60	<0.200	<0.200	<0.200	Acetone 9.00 Chloromethane 1.18 Ethanol 297 Trichlorofluoromethane 0.380 Dichlorodifluoromethane 0.611 n-Hexane 0.434 2-Propanol 14.1 Styrene 0.223 1,2,4-Trimethylbenzene 0.274 2,2,4-Trimethylpentane 0.343
109-Outside	109 W. Cecil Street-S. Side of Home	12/29/2015	--	0.532	<0.200	<0.200	<0.200	<0.200	Acetone 2.70 Benzene 0.257 Chloromethane 0.675 Ethanol 3.82 Trichlorofluoromethane 0.247 Dichlorodifluoromethane 0.495 n-Hexane 0.271 Propene 0.603 Toluene 0.429

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109-Outside (cont.)	109 W. Cecil Street-S. Side of Home	3/30/2016	--	<0.200	<0.200	<0.200	<0.200	<0.200	Acetone 2.42 Benzene 0.485 Chloromethane 0.879 Cyclohexane 0.436 Ethanol 22.4 Ethylbenzene 0.208 Trichlorofluoromethane 0.379 Dichlorodifluoromethane 0.723 Heptane 0.244 n-Hexane 0.995 Methylene Chloride 0.608 2-Butanone (MEK) 1.81 2-Propanol 1.55 Toluene 4.14 2,2,4-Trimethylpentane 0.243 m&p-Xylene 0.608 o-Xylene 0.247
Indoor Air Vapor Action Level (Residential)				6.2	0.39	NE	NE	0.65	Acetone 441,767 Benzene 1.1 Chloromethane 45 Cyclohexane 60,125 1,2-Dichloroethane 0.27 Ethylbenzene 2.5 Dichlorodifluoromethane 20 n-Hexane 6,792 Methylene Chloride 180 2-Butanone (MEK) 57,823 2-Propanol 2,806 Propene 20,681 Styrene 7,699 Toluene 1,400 1,2,4-Trimethylbenzene 1.5 m&p-Xylene 23 o-Xylene 23

Abbreviations:

ppbv = parts per billion by volume
 cis-1,2-DCE = cis-1,2-dichloroethene

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 24-hour period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Action Levels are based on May 2016 USEPA Regional Screening Levels for resident ambient air.
3. **Bold+underlined** values meet or exceed Indoor Air Vapor Action Levels for Residential settings.

December 18, 2013 samples collected by SCS Engineers.
 December 29, 2015 and March 30, 2016 samples collected by Bay Environmental Strategies, Inc.

Lab Notes:

E next to result = The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
 F next to result = Result is between level of detection and level of quantification.

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Created by: LMH
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