

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Auto Repair on Vliet
BY METCO

Sub-Slab Sampling conducted Conducted on:				WDNR	WDNR	WDNR	
				Residential Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017	Large Commercial/Industrial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated November, 2017	
Sample ID	SSVS-1	SSVS-2	SSVS-2	(ug/m ³)	(ug/m ³)	(ug/m ³)	
Benzene – ug/m ³	0.69	314	15.3	120	530	1600	c
Carbon Tetrachloride – ug/m ³	NS	NS	NS	160	670	2000	c
Chloroform – ug/m ³	NS	NS	NS	40	180	530	c
Chloromethane – ug/m ³	NS	NS	NS	3100	13000	39000	n
Dichlorodifluoromethane – ug/m ³	NS	NS	NS	3300	15000	44000	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	NS	NS	NS	600	2600	7700	c
1,2-Dichloroethane (1,2-DCA) – ug/m ³	NS	NS	NS	37	160	470	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	NS	NS	NS	7000	29000	88000	n
1,2-Dichloroethylene (cis and trans) – ug/m ³	NS	NS	NS	NA	NA	NA	-
Ethylbenzene – ug/m ³	<0.42	2010	25.1	370	1600	4900	c
Methylene chloride – ug/m ³	NS	NS	NS	21000	87000	260000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<0.92	<244	<3.2	3700	16000	47000	c
Naphthalene – ug/m ³	<1.8	<483	<13.5	28	120	360	c
Tetrachloroethylene -ug/m ³	NS	NS	NS	1400	6000	18000	n
Toluene – ug/m ³	2.2	1010	45	170000	730000	2200000	n
1,1,1-Trichloroethane – ug/m ³	NS	NS	NS	170000	730000	2200000	n
Trichloroethylene – ug/m ³	NS	NS	NS	70	290	880	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	NS	NS	NS	NA	NA	NA	-
Trimethylbenzene (1,2,4) – ug/m ³	1.4	1010	81	2100	8700	26000	n
Trimethylbenzene (1,3,5) – ug/m ³	<0.55	549	46	2100	8700	26000	n
Vinyl chloride – ug/m ³	NS	NS	NS	57	930	2800	c
Xylene (total) -ug/m ³	<1.45	3110	86	3300	15000	44000	n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Sub-Slab Standard Exceedance

NS = Not sampled

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.

B = Compound was found in the blank and sample

E = Result exceeded calibration range

- = Inhalation toxicity values are not available from U.S. EPA

Please note that the dilution factor (DF) for sample **SSVS-2** was 368.6 times thus giving elevated Limits of Detection (LOD) for the PVOc and Naphthalene compounds. This was due to elevated levels of the tentatively identified Compounds below:

1/7/2020		
Isobutane	25500J	ppbv
Butane	63700J	ppbv
Pentane	59900J	ppbv
Pentane, 2-methyl-	72000J	ppbv
Pentane, 3-methyl-	35600J	ppbv
Cyclopentane, methyl-	39200J	ppbv
Pentane, 2,3,4-trimethyl	61.3J	ppbv
1-Hexanol 3,-methy-	19000J	ppbv
Cyclopentane 1,2,3-trim	309J	ppbv
Hexane, 2,3-dimethyl-	279J	ppbv
Cyclohexane, 1,3-dimethy	2500J	ppbv