



Home Air Check™ Report

Customer: Mary Wilson Address: 10 Wright Way Clear, CT 06000 Report Number: 2008-Sample	Sample Tube Number: 04550 Date Sampled: 05/01/08 Date Received: 05/04/08 Date Analyzed: 05/06/08 Date Reported: 05/08/08
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Thank you for using Home Air Check. For questions concerning this report contact us in writing by email at: Contact@homeaircheck.com and reference the Report Number.

Home Air Check™ Reported Values

Total VOCs (TVOC) Concentration, ng/L: 1750

Total VOC Concentration	TVOC Level	Recommendation
< 500	Low	No VOC issue anticipated for non-chemically sensitive occupants.
500 - 1500	Moderate	Moderate VOC level but improvement can be achieved by locating and removing VOC sources.
1500 - 3000	Elevated	Locate and remove VOC sources; increase ventilation. Consider discussing report with our independent Home Air Quality Specialists.
> 3000	High	There are significant VOC issues. Discuss the report with your PATI-supplied Home Air Quality Specialist.

Total Mold VOCs (TMVOC) Concentration, ng/L: 87

Total MVOC Concentration	TMVOC Level	Recommendation
< 30	Low	No MVOC issue anticipated for non-hypersensitive occupants.
30 – 75	Moderate	Moderate MVOC level but improvement can be achieved by locating and removing mold.
75 – 150	Elevated	Consult with your Home Air Quality Specialist to locate and remove mold.
> 150	High	There are significant mold issues. A professional mold inspection should be considered.

Note: Mold removal should only be done after consultation with a trained specialist, to avoid personal injury and to the reduce probability of spreading mold spores throughout the home.

Formaldehyde Concentration, ng/L: 10

Formaldehyde Concentration	Formaldehyde Level	Recommendation
< 5	Low	No significant Formaldehyde issue. No action required at this time.
5 – 15	Moderate	Moderate Formaldehyde level but improvement can be achieved by locating and removing sources.
15 – 25	Elevated	Locate and remove Formaldehyde sources. Consider discussing report with a Home Air Quality Specialist.
> 25	High	There are significant Formaldehyde issues. Discuss the report with your PATI-supplied Home Air Quality Specialist.

TVOC Statement and Discussion

The U.S. federal government has not specified a Total Volatile Organic Compound (TVOC) limit for indoor air. **The U.S. Green Building Council (USGBC) and the European Union (EU) have recommended 500 ng/L as the upper TVOC limit.** TVOC levels below 500 ng/L indicate that the Indoor Air Quality (IAQ) is acceptable for most individuals; however, chemically sensitive persons may require lower levels. TVOC levels between 500 and 1,500 ng/L indicate that the air quality is marginal and some effect on the occupants is possible. **Levels above 1,500 ng/L indicate that your indoor air quality should be improved.**

TMVOC Statement and Discussion

The Total Microbial Volatile Organic Compound (TMVOC) value is an assessment of the quantity of actively growing mold in the home. Like TVOC, the U.S. federal government has not specified limits for TMVOC. Typically, if there is no plumbing leak, condensation, or water intrusion into the home, there will not be a mold problem. If active mold growth is indicated, the first step in fixing the problem is to find and repair the water leak. Typically leaks are from the roof, plumbing, windows, or condensation. Levels below 30 ng/L indicate a low level of mold. Levels of 30-75 ng/L indicate that actively growing mold is present at a moderate level and some building occupants will probably be affected. Levels between 75 and 150 indicate that a significant level of actively growing mold is present and most occupants will be affected. **Levels above 150 ng/L indicate that a high level of mold is present and it is likely that nearly all occupants will be affected.** For hypersensitive individuals, these cutoff levels might need to be reduced by up to a factor of four, depending upon the degree of hypersensitivity. Always consult a mold specialist before attempting to remove mold.

Formaldehyde OSHA Standard and Discussion

Formaldehyde has a National Institute for Occupational Safety and Health (NIOSH) workplace Permissible Exposure Limit (PEL) of 20 ng/L (16 parts per billion). Since more time is spent at home than at the workplace, any level above 15 ng/L should be addressed by identifying and removing the source.

The results contained in this report are dependent upon a number of factors over which PATI has no control, which may include, but are not limited to, the sampling technique utilized, the size or source of sample, the ability of the sampler to collect a proper or suitable sample, the compounds which make up the TVOC, and/or the type of mold(s) present. Therefore, the opinions contained in this report may be invalid cannot be considered or construed as definitive and neither PATI, nor its agents, officers, directors, employees, or successors shall be liable for any claims, actions, causes of action, costs, loss of service, medical or other expenses and compensation whatsoever which may now or hereafter occur or accrue based upon the information or opinions contained herein.