



Analytical Report

Report Number: 13001 - 1

Client: Barb Smith
Address: 123 Main Street Apartment 204
Anywhere CT 06029
Location: Kitchen Table

Date Ordered: 07/03/2008
Date Received: 07/25/2008
Date Reported: 02/23/2009
Sampled By: Self

Client Sample ID: Kitchen Table
Laboratory ID: 13001 - 1
Date Sampled: 07/16/2008
Date Analyzed: 07/29 Volume (L): 40.

Thank you for using Home Air Check!
For questions concerning this report, send an email to:
contact@homeaircheck.com.
Be sure to reference the Report Number above.

Home Air Check™ Reported Values

Total VOC (TVOC) Concentration, ng/L: 1,100

Total VOC Concentration	TVOC Level	Recommendation
< 500	Low	No VOC issues anticipated for non-chemically sensitive occupants.
500 - 1,500	Moderate	Moderate VOC level but improvements can be achieved by locating and removing VOC sources.
1,500 - 3,000	Elevated	Locate and remove VOC sources; increase ventilation. Consider discussing report with a home Air Quality Specialist.
> 3,000	High	There are significant VOC issues; discuss the report with your PATI-supplied Home Air Quality Specialist.

Total MVOC (TMVOC) Concentration, ng/L: 6

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

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

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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.

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 and 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 or any compensation whatsoever which may now or hereafter occur or accrue based upon the information or opinions contained herein.