Home Air Check™

Home Should be a Safe Place to Breathe

SAMPLE
Analytical Report

Report Number: 23001 - 1

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

Date Ordered: 09/15/2009
Date Received: 09/21/2009
Date Reported: 09/24/2009
Sampled By: Self

Client Sample ID: Kitchen Table
Laboratory ID: 23001 1
Date Sampled: 09/18/2009
Date Analyzed: 09/21 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 described in the Contamination Index Report; consider increasing ventilation.
> 3,000	High	There are significant VOC issues; remove VOC sources described in the Contamination Index Report; increase ventilation.

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

Total MVOC Concentration	TMVOC Level	Recommendation
< 8	Minimal	Mold levels are at or below levels in most homes and working environments; no MVOC issues anticipated.
8 - 30	Low	Actively growing molds are present but are at levels which, generally, only affect people sensitive to molds.
30 - 150	Moderate	Actively growing molds are present; significant allergic reactions possible; consult with a professional mold remediator to locate and remove mold.
> 150	Elevated	There are significant mold issues. Consult with a professional mold remediation specialist.

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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Laboratory ID: 23001- 1
Date Sampled: 09/18/2009
Date Analyzed: 09/21 Volume (L): 40.

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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 Mold 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 8 ng/L are typical for most homes and should cause no concern. Levels between 8 and 30 ng/L indicate a low level of mold which, generally, only affects people who are sensitive to molds. Levels of 30-150 ng/L indicate that actively growing mold is present at a moderate level and some building occupants will probably 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.

Home Air Check™

Home Should be a Safe Place to Breathe

Sample

Formaldehyde Report

Report Number: 23001- 2

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

Date Ordered: 10/28/2009
Date Received: 11/03/2009
Date Reported: 11/06/2009
Sampled By: Self

Client Sample ID: Kitchen Table
Laboratory ID: 23001 - 2
Date Sampled: 10/31/2009
Date Analyzed: 11/05/2009 Volume (L): 40

Thank you for using Home Air Check!

For questions concerning this report, send an email to:
contact@homeaircheck.com.
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Home Air Check™ Reported Values

Formaldehyde Concentration, ng/L: 12

Formaldehyde Concentration, ng/L	Formaldehyde Level	Recommendation
< 5	Low	No significant formaldehyde issue. No action required at this time.
5 - 15	Moderate	Moderate formaldehyde level but improvements 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.

Formaldehyde NIOSH 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 5 ng/L should be addressed by identifying and removing the source.

Home Air Check™
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Contamination Index
Sample Report

Client: Joe Smith
Client Sample ID: Living Rm Entry
Report Number: 99999-1
Date Sampled: 07/29

Thank you for using Home Air Check!
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contact@homeaircheck.com
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VOC Source Description

The most effective way to make improvements in Indoor Air Quality is by addressing VOC (Volatile Organic Compounds) sources, which include many common household items. The VOC source categories listed below are meant to assist you in the reduction of VOC sources in your home and are not all inclusive. Based upon the analysis results obtained from your air sample, the marked VOC source categories are contributors to the Total VOC level in your home. Visit our website at www.homeaircheck.com for more information on potential VOC sources.

Primary Sources	Secondary Sources	Category	Possible VOC Sources if "✓"
		Adhesives Flooring/Drywall	Drywall adhesive; carpet adhesive; tile adhesive; mastic; liquid nails
		Blowing Agents	From foam Insulation
		Diesel Exhaust	Diesel engine emissions
	✓	Gasoline	Attached garage; gas cans; un-vented gas tanks in mowers, motorcycles, etc.; not typically automobiles or auto exhaust
		Medicinal-Topical	Medicinal ointments or creams; topical pain relievers
		Moth Balls	Moth balls or moth crystals, some building materials
✓		Odorants - Fragrances	Scented candles, potpourri, air fresheners, scented cleaning products
		Kerosene/Fuel Oil/Diesel Fuel	Kerosene heaters, lamps; fuel oil; diesel fuel
	✓	Paint/Varnishes	Surfaces painted with, or containers used to store, latex and oil based paints; varnishes; strippers
✓		Personal Care Products	Hair spray and hair products; nail care products (including nail polish remover); cosmetics; lotions; shaving products
✓		Propellants	Spray cans or medicinal
		Refrigerants	Freon from compressors
		Polystyrene Foam	Styrofoam™* and other foam products; some insulation
		Turpentine	Turpentine based paints, finishes and varnishes; brush cleaner; pine tar; creosote
		Other	

Technical Bulletin 603 rev 0