

The many benefits of using Home Air Check™ to monitor home air quality.



Home Air Check™ is an advanced analysis method that checks for hidden mold and determines the chemical make-up of the air in a home by collecting a single air sample. Reports generated from the use of Home Air Check include Total Volatile Organic Compounds (VOCs), Total Mold Volatile Compounds (TMVOCs), and a Contamination Index™ that predicts the VOC sources. This information can then be used to help determine next steps in improving the home air quality. Concentrations of airborne formaldehyde can also be determined with an additional Home Air Check test.



Home Air Check™ – Features & Benefits

Complete analysis from a single sample

- One low cost test can monitor 2,000 sq. ft. home

Monitors for hundreds of airborne Volatile Organic Compounds (VOCs)

- Total VOCs reported — easy-to-understand report with description
- Contamination Index™ predicts VOC sources (e.g., paint, fuel, furniture, odorants, carpeting, etc.)
- Assistance in determining next steps in improving home air quality if TVOC levels exceed 3,000 ng/L

Monitors for Mold Volatile Organic Compounds (MVOCs)

- Total MVOCs reported — easy-to-understand report with description
- Provides information on actively growing mold — hidden or visible
- TMVOC levels above 150 ng/L suggest mold remediation is warranted

Extremely sensitive technology

- Measures presence of mold even when hidden in walls or carpeting
- Measures specific VOCs and MVOCs down to 0.3 ng/L (<100 parts per trillion)

Formaldehyde test with second sample

- Sensitive to below 1 ng/L — well below OSHA 8-hour workplace exposure limit of 20 ng/L
- Test is purchased independently of TVOC and TMVOC test

Complete analysis stored in archive for 7 years

- Useful as baseline measurement for comparison after remediation and/or future testing

Fully developed collection and analysis technology from accredited laboratory

- Analysis done correctly the first time by a trusted laboratory - Prism Analytical Technologies, Inc. (PATI)

Sample can be easily collected during home inspection

- Home Inspector collects sample and returns to PATI for analysis

Sampling kit provided by PATI

- All materials sent to Home Inspector for sample collection
- Sample collection kits can be purchased for those using the service regularly



The Laboratory Behind the Technology

Home Air Check was developed by Prism Analytical Technologies, Inc. (PATI)

- Monitors for hundreds of airborne VOCs

PATI is accredited by the AIHA in the IH accreditation program for the analysis of thermal desorption tubes by GC-MS

Two PATI proprietary technologies utilized by industry have converged to comprise Home Air Check

- TDT Air Scan®
- MoldScan™

TDT Air Scan®

- Technology developed by PATI to determine all VOCs in the air
- Proven technology utilized by many Fortune 100 companies
- Sample is collected onto a tri-matrix sample tube
- Sample is desorbed and measured by a proprietary GC-MS/FT-IR method

MoldScan™

- Technology developed by PATI to monitor mold presence by observing MVOCs
- Proven technology—most sensitive methodology available
- Demonstrated to observe “hidden mold,” even behind walls without bore holes
- Recommendations based on level
- Contamination Index™ Report with predicted VOC sources



Benefits of Using Home Air Check

PATI provides the Home Air Check analysis to Home Inspectors and IH Professionals at a special discounted price:

- On as-needed basis
- Complete sampling kits can be purchased, if planning to use on a regular basis
 - Sampling kit includes battery-operated sample pump and 2 tubes; tubes returned and cleaned for reuse

PATI lists your company and website address on Home Air Check website

PATI provides training on Home Air Check and its reports, so you can support your customers

One test for Total VOCs and Total MVOCs (actively growing mold)

Easy-to-read reports describing TVOC and TMVOC levels

Contamination Index™ Report gives prediction of VOC sources (e.g., paint, fuel, furniture, odorants, carpeting, etc.)

Join our growing network of Home Inspectors and IH Consultants using Home Air Check—call us!

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