

Subscription Options:

DataChem offers three subscription options. Please email bachtell@datachem.com And indicate your preference in the subject line. Monthly, quarterly or to opt out.

Existing Customers

Fill out our short [service survey](#) and be entered into our gift certificate drawing to [Hammacher Schlemmer](#). 10% of all respondents will win!

Building Inspections Much more than structural

Indoor Air Quality (IAQ) is a big buzzword in industry lately. The sobering fact that indoor air is significantly more polluted than its outdoor counterpart is enough to make the professional and lay-person alike wonder what unwanted pollutants are they taking in as they breath. Building inspectors are becoming experts in air quality as inspections become increasingly more complex. The days of assessing structural integrity and general interior condition have passed. Radon inspection entered the market in the mid 1980's after an employee of a nuclear power plant in Pennsylvania set off the radiation alarm on his way into

January is National Radon Action Month

- ▶ It is best to test for radon during the cooler months when outside ventilation to a building is minimal
- ▶ According to the Surgeon General, Radon is the leading cause of lung cancer in non-smokers
- ▶ Buildings with a level of 4pCi/L or more should be mitigated

[The EPA has issued Public Service Announcements regarding radon.](#)

work for two weeks straight...while the plant was still under construction and prior to the plant receiving any nuclear fuel. Also kicking into high gear was asbestos inspection which, after the passing of the Asbestos Hazard Emergency Response Act (AHERA) in 1986, was required in many buildings in order to identify friable and non-friable asbestos, develop a management plan and implement necessary response actions. Molds and lead have also contributed to the complexity of building inspections. Different species of molds have various affects on human health depending upon an individuals level of exposure and relative sensitivity. There are a number of species that can thrive in an indoor environment, of them Stachybotrys, commonly referred to as Black Mold, has captured much of the attention. Let's not forget the latest concern to building inspectors—drug contamination. With the growing use and illicit manufacture of methamphetamine, inspectors have become increasingly aware of this new agent to investigate in buildings. DataChem is pleased to offer analytical testing services related to Indoor Air Quality. For a complete list of services visit www.datachem.com.



Asbestos inspection shocked the market in the late 1980's when AHERA was passed.

Signs of a Potential Mold Problem:

1. High humidity
2. Water / pipe leaks / flooding
3. Mildew / musty odors
4. Allergy / respiratory symptoms
5. Leaky roof
6. Damp basement / crawl spaces
7. Condensation / rusting
8. Discolored walls
9. Cracked / peeling paint
10. Blocked gutters
11. Warped wood
12. Black growth in bathroom tiles
13. Loosening of drywall tape
14. Poor ventilation
15. Presence of wet materials indoors

Analysis of the Month

DataChem is pleased to announce the Analysis of the Month column for 2007. This years issues will include a special analytical offer for our subscribers. To take advantage of the offer simply refer to the newsletter in your analytical request.

\$25 for 24hr

DataChem is offering 24hr analysis on **mold samples** for \$25. Media discounted to \$3 for Allergenco-D and Micro-5. A four sample minimum is required although it is not necessary to send four samples at a time. For further details contact us at info@datachem.com

Indoor Air Quality—Knowing what to look for

Although at times an Industrial Hygienist will know preciously what compound to look for in an air sample, there are occasions when it's not always clear what potential pollutants may exist in the sampling environment. DataChem offers three types of analysis to identify what compounds are present in a high enough concentration to warrant further investigation. These methods can be utilized to identify unknowns and show what pollutants should be monitored thereby directing you towards an appropriate compliance method.

Analyte	Instrument / Method	Medium	Fee (\$)
Volatile Organics	GC-MS / TO-15	Summa Canister	250 ¹
Volatile Organics	GC-MS / TO-17	Supelco Carbotrap 300	250 ²
Solvent Panel	GC-MS	Charcoal 226-01 or 3M 3500 Passive Monitor	110 ³

¹Quantitative analysis provided on 58 target compounds with tentative identification of 10 of the largest unknowns.

²Quantitative analysis provided on 61 target compounds with tentative identification of 10 of the largest unknowns.

³Quantitative analysis provided on 30 target compounds; unknown identification available by request.

For a complete list of offerings visit us at www.datachem.com and select from our list of offerings on the lower right.

Upcoming Tradeshows and Conferences

- [Enviro2007, March 1-3, 2007, Las Vegas, NV](#)
Join us at this years Enviro2007 Conference and receive \$200 off your attendance fee! [Click for details.](#)
- [SAME Joint Engineering Education and Training Conference & Expo, May 1-4, 2007, Philadelphia, PA](#)
- [AIHce 2007, June 4-6, 2007 Philadelphia, PA](#)

- [AIHce 2007 Meth Lab Symposium, June 3, 2007, Philadelphia, PA](#)

Do you have a topic you would like to see covered? Email me at bachtell@datachem.com. For more information on our services call 1-801-266-7700.

Email bachtell@datachem.com to unsubscribe