

# References for the Industrial Hygienist



## Industrial Hygiene Workbooks

Written by PE and IAQ expert D. Jeff Burton, these convenient references contain current information in an easy-to-read format. All sections are followed by case studies and every exercise is answered in detail. These workbooks are indispensable as college texts, in-house references, and for home study courses.

### IAQ and HVAC Workbook

Describes indoor air quality investigation techniques and building air handling systems. It also contains sections on management of indoor air quality and control strategies, identification of air contaminants, indoor air behavior patterns, testing, troubleshooting HVAC systems, government standards, and air sampling.

Cat. No. 877-617, 335 pp., 1993

### Laboratory Ventilation Workbook

Describes lab hood and HVAC systems, air behavior patterns, testing methods and procedures, ANSI standard explanation, good work practices, model lab ventilation programs, use of real-time monitors, troubleshooting, and duct design.

Cat. No. 877-635, 350 pp., 2nd Edition 1994

### Industrial Hygiene Workbook: The Occupational Health Sciences

The basis of a comprehensive home study course available through the American Industrial Hygiene Association (AIHA), this workbook completely covers industrial hygiene in 23 sections, providing an overview of industrial hygiene: facts and concepts, calculation procedures, exercises, and multiple-choice questions.

Cat. No. 877-727, English, 350 pp., 1994  
877-727A, Spanish

### Industrial Ventilation Workbook

Topics covered include industrial air behavior, hood and duct design, loss factors, make-up air and recirculation, troubleshooting and system testing, fan selection, stack design, non-standard conditions, and reading plans and specifications.

Cat. No. 877-619, 339 pp., 3rd Edition 1994

### Lighting Guides

Published by the Illuminating Engineering Society of North America (IESNA), these easy-to-read guides contain the American National Standard Practice for Office Lighting (ANSI/IESNA RP-1-2004) and Industrial Lighting Facilities (ANSI RP-7-01). Photographs, charts, and illustrations promote reader understanding of topics such as luminous environment considerations, visual task considerations, psycho-

logical effects of lighting, economics and energy, offices with visual display terminals, and safety.

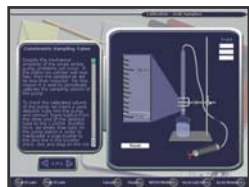
Office Lighting, 2004 ed., 60 pg. Cat. No. 877-612  
Industrial Lighting Cat. No. 877-611



### Industrial Hygiene Virtual Laboratory

The Industrial Hygiene Virtual Laboratory (IHVL)\* training program allows novice industrial hygiene students to independently learn many hands-on aspects of industrial hygiene and provides information on real-world industrial hygiene applications and techniques. It is conducive to student concentration on key lesson con-

cepts and it can even be used for web-based course work. IHVL is also suitable for industrial hygienists who want to brush up on theory and technique. The first fully interactive, university tested and validated virtual laboratory in industrial hygiene, IHVL is self-paced and provides for effective learning.



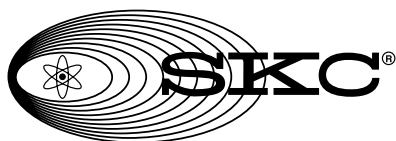
Calibration - Grab Sampler Laboratory



Indoor Air Laboratory

Industrial Hygiene Virtual Laboratory, CD, single license, User's Guide included on CD. Requires Windows 95, NT 4.0, or Mac OS 7.6  
Cat. No. 878-25  
Multiple-user licenses available. Contact SKC.

\* IHVL was created by Timothy J. Ryan, Ph.D., CIH, CSP, an Assistant Professor of Industrial Hygiene at Ohio University.



### SKC CDs

#### Introduction to Air Sampling Methodologies

This 14-minute video on CD explains air sampling with sorbent tubes, filters, impingers, bags, and cyclones while demonstrating the operation and calibration of a sample pump in high and low flow modes.

English	Cat. No. 878-13
Spanish	Cat. No. 878-14
Chinese (Mandarin)	Cat. No. 878-15
French (Canadian)	Cat. No. 878-16
Portuguese (Brazilian)	Cat. No. 878-17

### Chemical Fact Files®

The "how-to" of sampling for specific chemicals using NIOSH, OSHA, EPA, or ASTM methods. Each Chemical Fact File includes equipment requirements, sampling parameters, exposure limits, and sampling instructions.

### Application Guides

Thirteen illustrated step-by-step sampling instructions for using sample bags, Vac-U-Chamber, filters, impingers, detector tubes, sorbent tubes, two tubes in series, filter/tube sampling, multiple-tube sampling, pump calibration, and care of NiCad batteries.

### Industry Guides

Eight, two-page guides providing information and reference materials on compounds commonly found in the following industries: Foundries, Hospitals, Iron and Steel, Mining, Painting, Petroleum, Pulp and Paper, and Welding.

*Available on CD for a nominal fee (see below) or online FREE!*

## Computer Presentations

Authored by SKC's Certified Industrial Hygienist (CIH), SKC quality training modules and presentations make it easy to learn about topics such as sampling gases and vapors, bioaerosols, and sampling strategies. Each colorful module is produced in Microsoft PowerPoint® Software to allow you to view presentations on a computer screen or create overheads, 35-mm slides, or hardcopy printouts.

#### Air Sampling Strategies and Methods

A comprehensive training module on sampling objectives and equipment operation and information on particle size-selective, bioaerosol, and diffusive sampling. ....

PowerPoint, CD

English and Spanish	Cat. No. 877-100
Japanese	Cat. No. 877-58

PDF format, CD, requires Acrobat Reader for viewing

#### Air Sampling for Airborne Contaminants of Biological Origin

Concepts, sampling procedures, and equipment available for the growing area of bioaerosol sampling.

PowerPoint, CD

English	Cat. No. 877-56
Spanish (requires PowerPoint)	Cat. No. 877-57
Portuguese (Brazilian)	Cat. No. 877-561

#### Indoor Air Quality: A Global Concern

A presentation on indoor air pollutants and the methods and equipment available to evaluate them.

PowerPoint, CD

English	Cat. No. 877-59
Portuguese (Brazilian)	Cat. No. 877-65

#### History of Sorbent Tube Sampling

A presentation on the sorbent tube from early concepts to commercial production of the air sampling media we use today.

PowerPoint, CD

English	Cat. No. 877-55
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#### Surface and Dermal Hazards

Authored by SKC's Certified Industrial Hygienist, this highly informative PowerPoint presentation provides an invaluable information source on surface and dermal hazards.

PowerPoint, CD

English	Cat. No. 877-62
Portuguese (Brazilian)	Cat. No. 877-63

#### Inhalable Sampling

Presentation provides a history of particle size-selective TLVs, introduces available inhalable samplers – their operation and advantages – and discusses future size-selective sampling.

PowerPoint, CD

English	Cat. No. 877-502
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#### 50 Common Pitfalls

An electronic version of the popular brochure that contains tips on common mistakes made in air sampling.

PowerPoint, CD

English	Cat. No. 877-67
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#### Chemical Fact Files for Environmental Sampling

Simple abstracts of specific environmental sampling methods that help the user determine basic sampling parameters and appropriate sampling equipment.

PDF, CD, requires Adobe Acrobat for viewing

English	Cat. No. 877-68
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#### Application Guides/Industry Guides

Step-by-step sampling instructions for commonly used sampling techniques. Method information and references for chemical hazards typically found in specific industries.

PDF, CD, requires Adobe Acrobat for viewing

English	Cat. No. 877-66
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#### Cyclones - A Centrifugal Force in Air Sampling

Presentation provides information on size-selective sampling with cyclones, cyclones available in the market, and the performance of each cyclone, with respect to the ACGIH/ISO/CEN respirable convention.

PowerPoint, CD

English	Cat. No. 877-69
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