

LABORATORY SELECTION

CRITERIA THAT CAN BE USED
TO SELECT A LABORATORY

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Representing the American Industrial Hygiene Association - Industrial Hygiene Laboratory Accreditation Committee

- CIH in Chemical Practice
- Sample Media Research Director for SKC, Inc.
- Member of AIHA Committees for Gas & Vapor Detection Systems, Sampling and Laboratory Analysis, and Industrial Hygiene Laboratory Accreditation
- Member of ASTM D22.04 Sampling of Workplace Atmospheres and the Industrial Safety Equipment Association Instruments Committee

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- CIH in Chemical Practice
- Manager of Marketing and Methods Development at the Kemper/NATLSCO Laboratory
- NATLSCO Laboratory has participated in the AIHA accreditation program and Proficiency Analytical Testing Program (PAT) performing analysis for crystalline silica since 1974.
- Presently the AIHA Board Coordinator for the AIHA Analytical Quality Programs including the Industrial Hygiene Accreditation Programs.

LABORATORY SELECTION

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1. Is the Laboratory Accredited?

AIHA _____
Other _____

2. Does the Laboratory participate in a Round Robin Testing Program?

AIHA _____
Other _____

3. Is your laboratory rated Proficient in their program?

4. Request to see Proficiency Analytical Testing Results.

5. Instrument used for analysis?

X-Ray
IR
Colorimetric

6. Method used for analysis?

NIOSH Methods	7500
	7601
	7602
	7603

OSHA Method	ID 142
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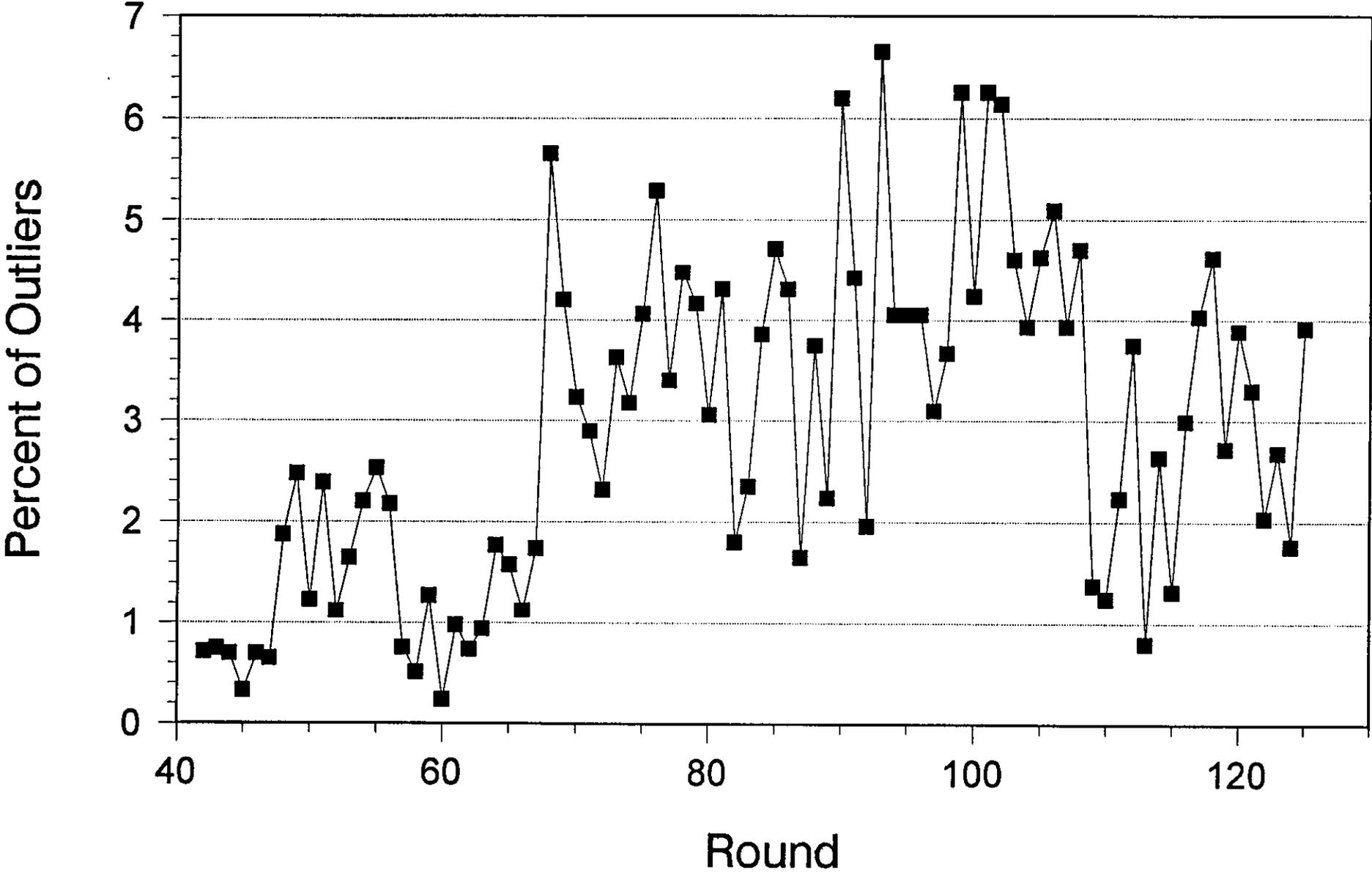
7. Does the laboratory report

Quartz?
Cristobalite?
Tridymite?

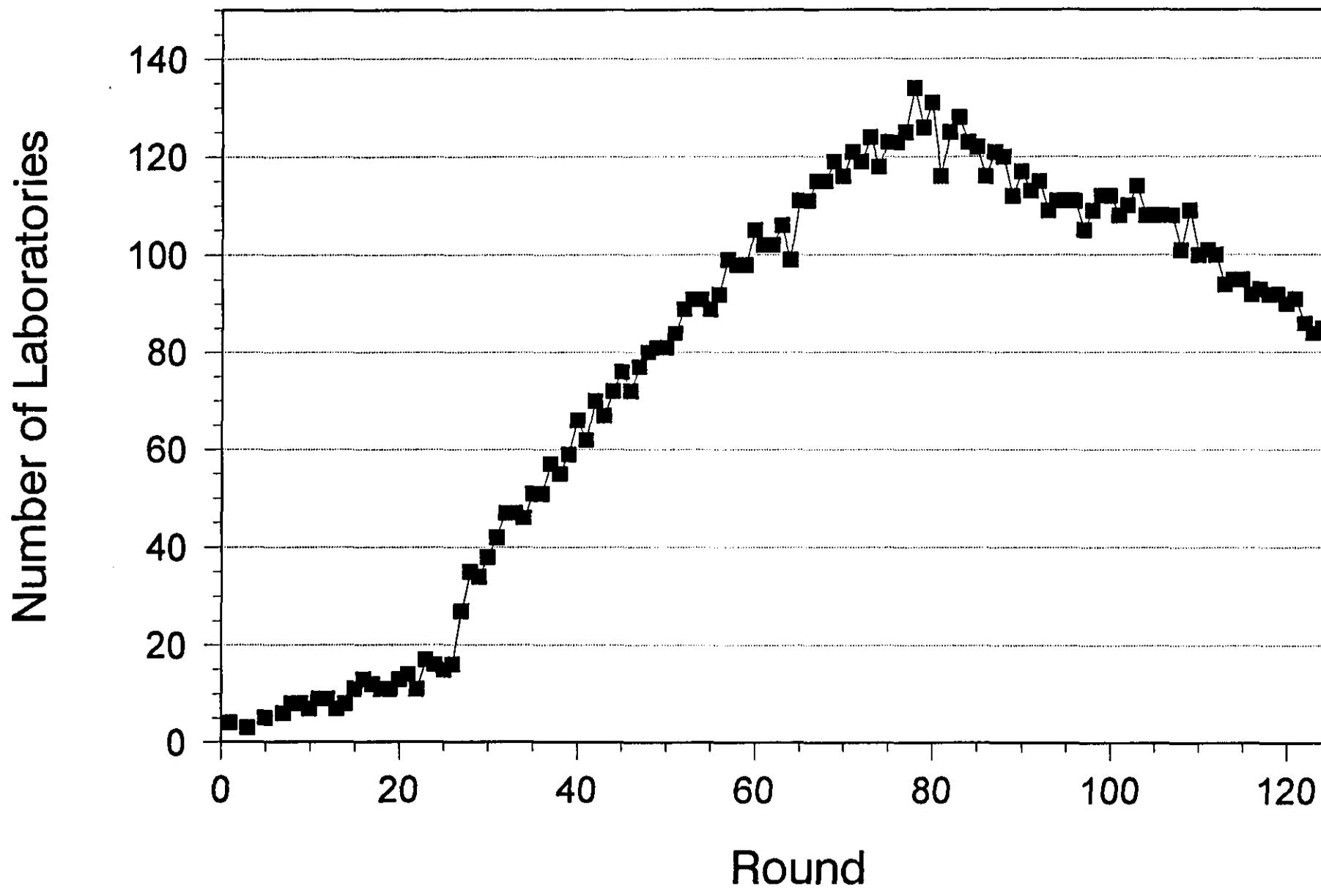
8. What standards does the laboratory use to calibrate their instrument?

9. What is the normal range of the standards used to calibrate?
10. Does the laboratory make provisions for high sample loading?
11. Who is the supplier of their standards?
12. How often does the laboratory calibrate their instrument?
13. Can the laboratory provide you with silica control charts?
14. What is the Lower Limit of Quantitation (LLQ) from the laboratory?
15. Can the laboratory document determination of LLQ?
16. Does the laboratory keep maintenance records?
17. Does the laboratory provide sampling guidance?
18. Does the laboratory request information regarding the operation or the process?
19. Is the laboratory familiar with common interferences of their method?
20. How many years has the laboratory analyzed silica samples?
21. Does the laboratory differentiate between total and respirable dust?
22. Does the laboratory require a respirable dust sample for silica?
23. Does the laboratory provide sampling media?
24. Does the laboratory know the background levels of silica in the media?
25. Does the laboratory know and understand the silica formula and calculation?

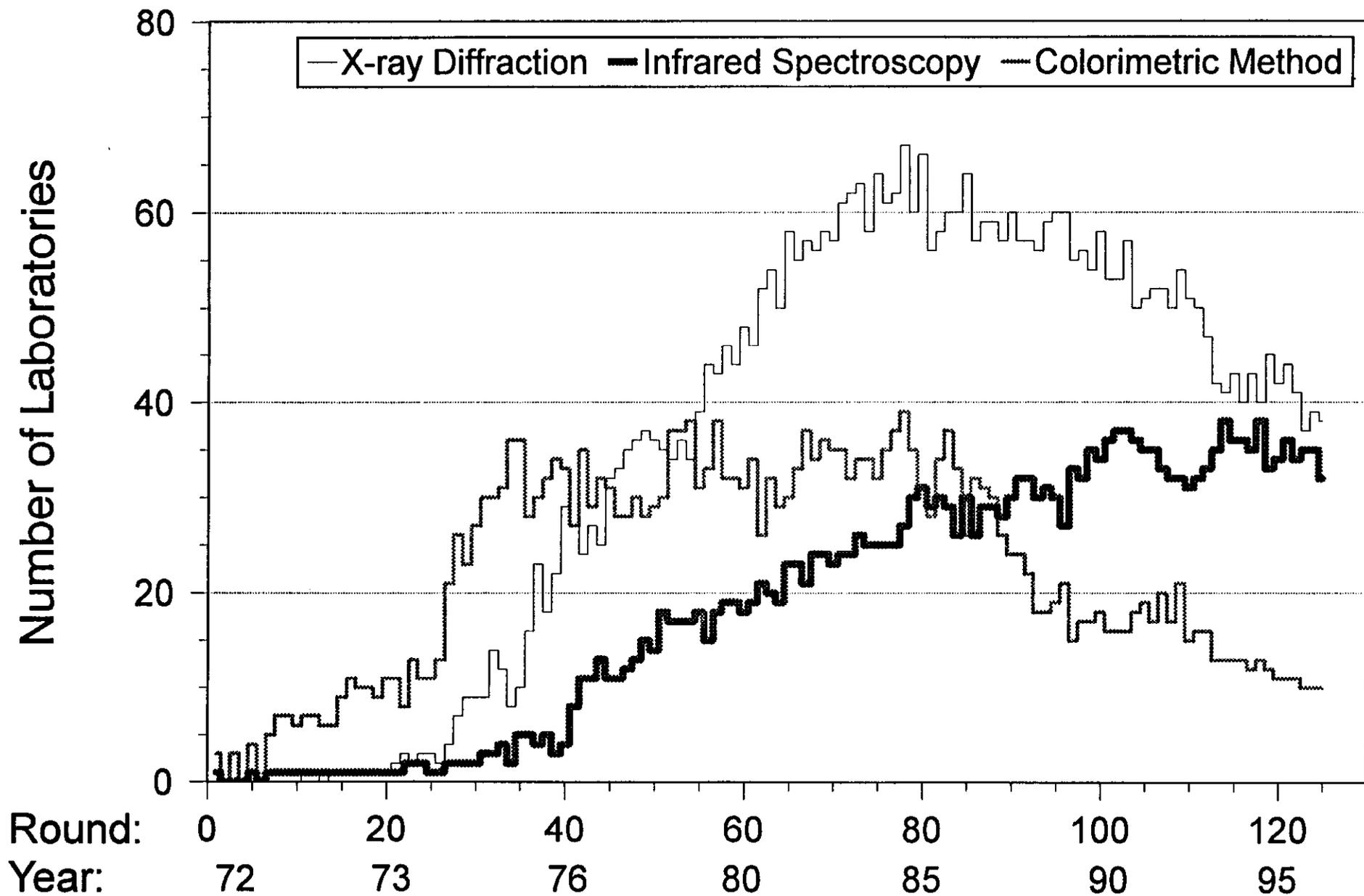
PERFORMANCE OF PAT SILICA LABS



PAT SILICA LAB PARTICIPATION



PAT SILICA LAB PARTICIPATION BY METHOD



AIHA LABS PAT SILICA PARTICIPANTS

AAC Trinity, Inc.
AGAT Laboratories, Ltd.
Algoma Steel, Inc. TEMP SUSPENSION
American Electric Power Services Corp.
American Foundrymen's Society, Inc.
American Analytical Laboratories, Inc.
Armstrong Laboratory (OEHD)
Armstrong Forensic Laboratory
ASARCO/American Environmental Consultants
California Dept. of Health Services
Certified Environmental Management
Chemtex Env. & Industrial Hygiene Services
Clayton Environmental Consultants, Inc.
Connecticut Dept. of Health Services
Consolidated Industrial Hygiene Lab.
Ctek Industrial Hygiene Laboratory
DataChem Laboratories, Inc.
DCM Science Laboratory
DLZ Laboratories, Inc.
Eastman Chemical Company
EMS Laboratories, Inc.
Environmental Health Laboratory
Environmental Health Laboratory
ETL Chemspec Analytical, Ltd.
Free-Col Laboratories, Ltd.
FREMAP Industrial Hygiene Laboratory
Galson Laboratories
Health Science Associates
HIH Laboratory, Inc.
Industrial Health Foundation, Inc.
IRSST
ITEK Enviro Services, Inc.

ITT Hartford Insurance Group
Kennecott Env. & Ind. Hyg. Lab (KEL)
LabCorp Analytics Laboratory
Liberty Mutual Insurance Co.
Lockheed Martin Utility Services Inc.
Lockheed Martin Energy Systems
Michelin Tire Corporation
Michigan Dept. of Consumer & Industry Serv.
NATLSCO, A KRMS Company
Occupational & Environmental Health Lab
Olin Environmental Hygiene Laboratory
Owens-Corning Science & Technology Center
Research Triangle Institute
RJ Lee Group, Inc.
Rust Federal Services of Hanford, Inc.
Schneider Laboratories, Inc.
Schuller International
Sentry Services - IH Division
SRI International
State of Washington
State of North Carolina
State of Oregon
Tennessee Department of Labor
The Travelers Indemnity Company
UEC
University of Washington
University of Iowa
US Department of Labor (OSHA)
WASTREN - Grand Junction
Wausau Insurance Companies
Wisconsin Occupational Health Laboratory



PAT Silica

