



# SPECIFIC MEDICAL TESTS OR EXAMINATIONS PUBLISHED IN THE LITERATURE FOR OSHA-REGULATED SUBSTANCES\*

\*NOTES: (1) The efficacy of these medical tests has not been evaluated by NIOSH. (2) NIOSH references include diagnostic, screening, and other tests. (3) Revised (2004) OSHA mandated medical tests (OSHA 6(b) (5) standards) are provided in RED and listed separately. (4) Only OSHA-regulated substances (29 CFR 1910.1000, Table Z-1—Air Contaminants) with published medical tests are included.

Table with 4 main columns: NAME OF SUBSTANCE, CAS NUMBER, SPECIFIC MEDICAL TESTS OR EXAMINATIONS (REFERENCES IN SUPERSCRIPIT), and NAME OF SUBSTANCE, CAS NUMBER, SPECIFIC MEDICAL TESTS OR EXAMINATIONS (REFERENCES IN SUPERSCRIPIT). The table lists various chemical substances and their corresponding medical tests and references.

### Glossary of Terms Used in Table

Glossary of Terms Used in Table. A list of abbreviations and their meanings, such as 1M (After 1 Month Exposure), 2D/2H (After 2 Hours or 2 Days Exposure), 6M (Every 6 Months), etc.

### REFERENCES

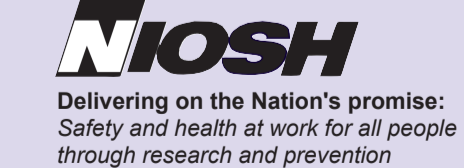
- 1. US DOL OSHA. Code of Federal Regulations. 29 CFR Part 1910.1000. Subpart Z. Air Contaminants. US Government Printing Office, July 1, 2004.
2. US DHHS PHHS CDC NIOSH and US DOL OSHA. NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards DHHS (NIOSH) Pub No. 81-123, 88-116, Suppl. I-V, 1981-1995.
3. Baselt RC. Biological Monitoring Methods for Industrial Chemicals. 3rd Edition. Chemical Toxicology Institute, 1997.
4. Linch AL. Biological Monitoring for Industrial Chemical Exposure Control. CRC Press, 1974.
5. Lauwerys RR, Hoet P. Industrial Chemical Exposure. Guidelines for Biological Monitoring. 3rd Edition. Lewis Publishers. CRC Press, Inc. 2001.
6. Brown KK, Teass AW, Simon S, Ward EM. A Biological Monitoring Method for o-Toluidine and Aniline in Urine Using High Performance Liquid Chromatography with Electrochemical Detection. Appl Occup Environ Hyg 10(6):587-585, 1995.
7. Proctor NH, Hughes JP. Chemical Hazards of the Workplace. JB Lippincott Company, 1978.
8. Hathaway GJ, Proctor NH, Hughes JP, Fishman ML. Chemical Hazards of the Workplace. 3rd Edition. Van Nostrand Reinhold Publishers, 1991.
9. Kneip TJ, Crable JV. Methods for Biological Monitoring—A Manual for Assessing Human Exposure to Hazardous Substances. Am Public Health Association, 1988.
10. Ho MH, Dillon HK. Biological Monitoring of Exposure to Chemicals. Organic Compounds. John Wiley & Sons, Inc. 1987.
11. ACGIH. 2004 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices. ACGIH Worldwide, 2004.
12. Ato A, Riihimaki V, Vainio H, eds. Biological Monitoring and Surveillance of Workers Exposed to Chemicals. Hemisphere Publishing Corporation, 1984.
13. Clarkson TW, Friberg L, Nordberg GF, Sager PR. Biological Monitoring of Toxic Metals. Plenum Publishing Corporation, 1988.
14. Dillon HK, Ho MH. Biological Monitoring of Exposure to Chemicals. Metals. John Wiley & Sons, Inc. 1991.
15. LaDou J, ed. Occupational & Environmental Medicine. 2nd Edition. Appleton and Lange, 1997.
16. Proctor and Hughes' Chemical Hazards of the Workplace. 4th Edition. Van Nostrand Reinhold, New York, New York, 1996.
17. US DHHS PHHS CDC NIOSH. NIOSH Manual of Analytical Methods. 4th Edition. DHHS (NIOSH) Publication No. 94-113.
18. Fiserova-Bergerova V, Vlach J. Timing of sample collection for biological monitoring of occupational exposure. Ann Occup Hyg 41(3):345-353, 1997.

Original source: JOEM, Volume 37, No. 2, February 1995, pp. 170-184. This update reflects changes in OSHA regulations since 1995.

For further information on medical tests, visit <http://www.cdc.gov/niosh/nmed>

For additional information, contact NIOSH at: 1-800-35-NIOSH (1-800-356-4674) Fax: 513-533-8573 or visit the NIOSH web site at [www.cdc.gov/niosh](http://www.cdc.gov/niosh)

DHHS (NIOSH) Publication No. 2005-110 December 2004



Author: Leela I. Murthy, M.Sc. Ph.D. Designed by: Pauline J. Elliott