

Lewis A. Shadoff, Ph.D.
Resume

- **Education:**

- BS in Chemistry from Polytechnic Institute of Brooklyn, 1961
- Ph.D. in Chemistry from Kansas State University, 1966
- Qualified Mediator in the State of Texas, 1996

- **Work Experience:**

- Dow Chemical Company, Midland, MI
 - Chemical Physics Research Laboratory, 1966-1972
 - Analytical Laboratory, 1972-1985
 - Promoted to the highest level of Dow's Scientific Career ladder 1984
- Dow Chemical Company, Freeport, TX
 - Analytical Laboratory, 1985-1994

- **Expertise:**

- Mass Spectrometry (GC/MS, LC/MS, ICP/MS, Fast Atom Bombardment/MS, High Resolution MS)
- Ultra-Trace Analysis (applied mostly to the determination of Chlorinated Dioxins and Atmospheric Halocarbons at sub part-per-trillion levels.)

- **Publications and Presentations:**

- More than 25 publications in peer-reviewed scientific journals
- Invited Speaker at:
 - American Society for Mass Spectrometry National Meetings
 - International Symposium on Dioxins
 - American Chemical Society National Meeting
 - Italian Chemical Society Meeting
- Invited by the Ministers of Health and Environment, Canada to participate as an expert in the Canadian Government's Assessment of the Impact of Dioxins on the country. I was the only American on the panel.

- **Civic Activities**

- Participant in the Harris County, Texas Peer Mediation Program in the secondary schools. I trained 5-th graders to be mediators as part of the school's discipline program.
- Member of the Brazosport College Community Band since 1986
- Motivational speaker at various secondary and high school programs on careers.

- **Selected Publications**

1) *Determination of chlorinated dibenzo-p-dioxins in pentachlorophenol by gas chromatography-mass spectrometry* Blaser, W. W.; Bredeweg, R. A.; Shadoff, L. A.; Stehl, R. H., **Anal. Chem.**, 48(7), 984-6(1976)

2) *Preparation of carbon-14 uniformly labeled 2,7-dichlorodibenzo-p-dioxin and 2,3,7,8-tetrachlorodibenzo-p-dioxin* Muelder, Wesley W.; Shadoff, Lewis, A., **Advan. Chem. Ser.**, 120, 1-6(1973)

- 3) *A search for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in an environment exposed annually to 2,4,5-trichlorophenoxyacetic acid ester (2,4,5-T) herbicides* Shadoff, L. A.; Hummel, R. A.; Lamparski, L.; Davidson, J. H., **Bull. Environ. Contam. Toxicol.**, 18(4), 478-85(1977)
- 4) *A search for the presence of 2,3,7,8-tetrachlorodibenzo-p-dioxin in beef fat* Kocher, C. W.; Mahle, N. H.; Hummel, R. A.; Shadoff, L. A.; Getzendaner, M. E., **Bull. Environ. Contam. Toxicol.**, 19(2), 229-36(1978)
- 5) *The determination of 2,3,7,8-tetrachlorodibenzo-p-dioxin in human milk* Shadoff, L. A., **ACS Symp. Ser.**, 136(Pestic. Anal. Methodol.), 277-85(1980)
- 6) *Report of the Joint Health and Welfare Canada/Environment Canada Expert Advisory Committee on Dioxins* G. Bellward, J-F. Boivin, F. C. Fraser, F. W. Karasek, R. Roberts, L. Shadoff, G. R. B. Webster, R. F. Willes, **Health and Welfare Canada, Environment Canada, Pub.**, (1983)
- 7) *The determination of 2,3,7,8-tetrachlorodibenzo-p-dioxin in biological extracts by gas chromatography mass spectrometry* Shadoff, L. A.; Hummel, R. A., **Biomed. Mass Spectrom.**, 5(1), 7-13(1978)
- 8) *The determination of 2,3,7,8-tetrachlorodibenzo-p-dioxin in human milk* Shadoff, L. A., **ACS Symp. Ser.**, 136(Pestic. Anal. Methodol.), 277-85(1980)
- 9) *The mass spectrometry of chlorinated dibenzo-p-dioxins* Mahle, Nels H.; Shadoff, L. A., **Biomed. Mass Spectrom.**, 9(2), 45-60(1982)
- 10) *Trace Chemistries of Fire: A Source of Chlorinated Dioxins* R. R. Bumb, W. B. Crummett, S. S. Cute, J. R. Gledhill, R. H. Hummel, R. O. Kagel, L. L. Lamparski, E. V. Luoma, D. L. Miller, T. J. Nestruck, L. A. Shadoff, R. H. Stehl, J. S. Woods, **Science**, 210, 385-90(1980)
- 11) *TCDD: the perilous by-product* **Nat'l Geographic Mag.**, 157, No.2, 181ff(1980)
- 12) *Determination of bis(chloromethyl) ether in air by gas chromatography-mass spectrometry* Shadoff, L. A.; Kallos, G. J.; Woods, J. S., **Anal. Chem.**, 45(14), 2341-4(1973)
- 13) *The sampling and determination of halocarbons in ambient air using concentration on porous polymer* Russell, John W.; Shadoff, Lewis A., **J. Chromatogr.**, 134(2), 375-84(1977)
- 14) *Methodology and preliminary results for the isomer-specific determination of TCDDs and higher chlorinated dibenzo-p-dioxins in chimney particulates from wood-fueled domestic furnaces located in eastern, central, and western regions of the United States* Nestruck, T.J.; Lamparski, L.L.; Shadoff, L.A., Peters, T.L., **Environ. Sci. Res.**, 26, 95-112 (1983)