6. REFERENCES

Agency for Toxic Substances and Disease Registry (1988). Nature and extent of childhood lead poisoning in the United States: A Report to Congress. U.S. Department of Health and Human Services, Public Health Service, Atlanta, GA.

Alexander, F. W.; Clayton, B. E.; Delves, H. T. (1974). Mineral and trace-metal balances in children receiving normal and synthetic diets. Q.J. Med. 43: 89.

Alexander, F. W. (1974). The uptake of lead by children in differing environments. Environ. Health Perspectives 73: 155-159.

Alexander, F. W.; Delves, H. T.; Clayton, B. E. (1973). The uptake and excretion by children of lead and other contaminants. In: Barth, D.; Berlin, A.; Engel, R.; Recht, P.; Smeets, J. eds. Environmental health aspects of lead: proceedings, international symposium; October 1972; Amsterdam, The Netherlands. Luxembourg: Commissiion of the European Communities; pp. 319-331.

Allott, R. W.; Hewitt, C. N.; Kelly, M. R. (1990). The environmental half-lives and mean residence times of contaminants in dust for an urban environment: Barrow-in-Furness. Sci. Total Environ. 93: 403-410.

Altman, P. L.; Dittmer, D. S. (eds) (1972). Biological Data Book, 2nd Ed. pp 195-201. Bethesda, MD: Federation of American Societies for Experimental Biology.

American Academy of Pediatrics (1972). Lead content of paint applied to surfaces accessible to young children. Pediatrics 49(6): 918-921.

American Water Works Association Research Foundation (AWWARF) (1988). Review of the Biological Basis of the Proposed Drinking Water Lead Standard. Prepared by Karch and Assoc., Inc. Washington DC.

Amitai, Y.; Brown, M. J.; Graef, J. W.; Cosgrove E. (1991). Residential deleading: Effects on the blood lead levels of lead-poisoned children. Pediatrics 88: 893-897.

Aungst, B. J.; Fung, H. (1981). Kinetic characterization of in vitro lead transport across the rat small intestine. Toxicol., Appl. Pharmacol. 61: 39-57.

Baes, C. F.; Sharp, R. D.; Sjoreen, A. L.; Shor, R. W. (1984). A Review of Parameters for Assessing Transport of Environmentally Released Radionuclides through Agriculture. Report prepared by Oak Ridge National Laboratory (Martin Marietta) for U.S. Dept. of Energy under U.S. EPA Contract #EOA-78-D-X0394 (AD-89-F-2-A106).

Bander, L. K.; Morgan, K. J.; Zabik, M. E. (1983). Dietary lead intake of preschool children. Am. J. Public Health 73(7): 789-794.

Barltrop, D.; Meek, F. (1979). Effect of particle size on lead absorption from the gut. Arch. Environ. Health July/Aug. 1979.

Barltrop, D.; Khoo, H. E. (1975). The influence of nutritional factors on lead absorption. Postgrad Med. J. 51: 795-800.

Barltrop, D.; Meek, F. (1975). Absorption of different lead compounds. Postgrad. Med. J. 51: 805-809.

Barltrop, D.; Thornton, I.; Strehlow, C. D.; Webb, J. S. (1975). Absorption of lead from dust and soil. Postgrad Med. J. 51: 801-804.

Barry, P. S. I. (1981). Concentrations of lead in the tissues of children. Br. J. Ind. Med 38: 61-71.

Barton, J. C.; Conrad, M. E.; Harrison, L.; Nuby, S. (1978). Effects of iron on the absorption and retention of lead. J. Lab. Clin. Med. 92: 536-547.

Barton, J. C.; Conrad, M. E.; Harrison, L.; Nuby, S. (1980). Effects of vitamin D on the absorption and retention of lead. Am. J. Physiol. 238; G124-G130.

Bentler, P. M., *EQS Structural Equations Program Manual*. BMDP Statistical Software, Los Angeles CA, 1989.

Binder, S.; Sokal, D.; Maughan, D. (1986). Estimating soil ingestion: The use of tracer elements in estimating the amount of soil ingested by young children. Arch. Environ. Health 41: 341-345.

Blake, K. C. H.; Barbezat, G. O.; Mann, M (1983a). Effect of dietary constituents on the gastrointestinal absorption of ^{203}Pb in man. Environ. Res. 30: 182-187.

Blake, K. C. H.; Mann, M. (1983b). Effect of calcium and phosphorus on the gastrointestinal absorption of ^{203}Pb in man. Environ. Res. 30:188-194.

Bollen, K. A. (1990). Structural equations with latent variables. New York: John Wiley and Sons.

Bornschein, R. L.; Clark, C. S.; Pan, U. W.; Succop, P. A. et al. (1990). Midvale Community Lead Study. Department of Environ. Health, University Cincinnati Medical Center. July 1990.

Bornschein, R. L.; Clark, C. S.; Grote, J.; Peace, B.; Roda, S.; Succop, P. A. (1988). Soil lead—Blood lead relationship in a former lead mining town. In: Environmental Geochemistry and Health, Monograph Series 4, Lead in Soil: Issues and Guidelines. (Eds) B. E. Davies and B. G. Wixson. Science Review Limited, Northwood, England. pp. 149-160.

Bornschein, R. L.; Succop, P. A.; Krafft, K. M. et al. (1986). Exterior surface dust lead, interior house dust lead and childhood lead exposure in an urban environment. In: Trace Substances in Environmental Health II—A Symposium. (Ed) D. D. Hemphill, University of Missouri, Columbia MO. pp. 322-332.

Bornschein, R. L.; Succop, P.; Dietrich, R. N.; Clark, C. S.; Que Hee, S.; Hammond, P. B. (1985). The influence of social and environmental factors on dust lead, hand lead, and blood lead levels in young children. Environ. Res. 38: 108-118.

Bruenger, F. W.; Stevens, W.; Stover, B. J. (1973). The association of ^{210}Pb with constituents of erythrocytes. Health Physics 25: 37-42.

Brunekreef, B. (1984). The relationship beyween air lead and blood lead in children: A critical review. Sci. Total Environ. 38: 79-123.

Brunekreef, B.; Dook, N.; Clausing, P. (1987). Variability of exposure measurements in environmental epidemiology. Amer. J. Epidem. 125: 892-898.

Buncher, C. R.; Succop, P. A.; Dietrich, K. N. (1991). Structural equation modeling in environmental risk assessment. Environ. Health Persp. 90: 209-213.

Bushnell, P. J.; DeLuca, H. F. (1983). The effects of lactose on the absorption and retention of dietary lead. J. Nutr. 113: 365-378.

Calabrese, E. and Stanek, E. J. (1991). A guide to interpreting soil ingestion studies. II. Qualitative and quantitive evidence of soil ingestion. Reg Toxicol Pharmacol 13: 278-292.

Calabrese, E.; Stanek, E. J.; Gilbert, C. E. (1991). Evidence of soil-pica behavior and quantification of soil ingested. Human Experi. Toxicol. 10: 245-249.

Calabrese, E. Qualitative and quantitative evidence of soil ingestion. Presented at the Symposium on the Bioavailability and Dietary Uptake of Lead. Sept. 24-27, 1990. Chapel Hill, NC.

Calabrese, E.; Barnes, R.; Stanek, E. J. et al. (1989). How much soil do young children ingest: An epidemiologic study. Reg. Toxicol. Pharmacol. 10: 123-137.

Campbell, B. C.; Meredith, P. A.; Moore, M. R.; Watson, W. S. (1984). Kinetics of lead following intravenous administration in man. Toxicol. Ltrs. 21: 231-235.

Centers for Disease Control and Prevention (1991). Preventing lead poisoning in young children. October, 1991.

Chamberlain, A. C. (1985). Prediction of response of blood lead to airborne and dietary lead from volunteer experiments with lead isotopes. Proc. R. Soc. Lond. B. 224: 149-182.

Chamberlain, A. C.; Heard, M. J.; Little, P. et al. (1978). Investigations into lead from motor vehicles. Report of work at Environmental and Medical Sciences Division, AERE, Harwell. HL78/4122 (C.10).

Chaney, R. L.; Mielke, H. W.; Sterrett, S. B. (1988). Speciation, Mobility and Bioavailability of Soil Lead. In: Environmental Geochemistry and Health Monograph Series 4. Lead in Soil: Issues and Guidelines. (Eds) B. E. Davies and B. G. Wixson. Science Reviews Limited, Northwood, England. pp. 105-129.

Charney, E.; Kessler, B.; Farfel, M.; Jackson, D. (1983). Childhood lead poisoning: A controlled trial of the effect of dust-control measures on blood lead levels. NE. J. Med. 309(18): 1089-1093.

Chisholm, J. J.; Mellits, E. D.; Quaskey, S. A. (1985). The relationship between the level of lead absorption in children and the age, type, and condition of housing. Environ. Res. 38: 31-45.

Chisolm, J. J., Jr.; Harrison, H. E. (1956). Quantitative urinary coproporphyrin excretion and its relation to edathamil calcium disodium administration in children with acute lead intoxication. J. Clin Invest. 35: 1131-1138.

Clark, C. S.; Bornschein, R. L.; Ryan, J. et al. (1988). The Cincinnati Soil-Lead Abatement Demonstration Project. Presented at Lead in Soil Conference, Chapel Hill, NC, March 7-9, 1988.

Clark, C. S.; Bornschein, R. L.; Succop, P. A. et al. (1985). Condition and type of housing as an indicator of potential environmental lead exposure and pediatric blood lead levels. Environ. Res. 38: 46-53.

Clarkson, T. W.; Kench, J. E. (1958). Uptake of Lead by Human Erythrocytes in vitro. Bioch 69: 432-439.

Clausing, P.; Brunekreef, B.; van Wijnen, J. H. (1987). A method for estimating soil ingestion by children. Int. Arch. Occup. Environ. Health 59: 73-82.

Cohen, J.; Marcus, A.; Elias, R. (1990). Estimating childhood multi-media lead exposure: Expanded exposure/uptake/biokinetic model. Presented at the 83rd Annual Meeting and Exhibition, Air and Water Management Assoc. Pittsburgh, PA. June 24-29, 1990. Paper 90-12.2.

Cohen, J.; Marcus, A. H.; Elias, R. W. (1991). Estimating childhood multi-media lead exposure: Expanded exposure/uptaske/biokinetic model. Chemical Speciation and Bioavailability 3: 179-186.

Cohen, J.; Marcus, A.; Schwartz, J. (1988). Use of probabilistic risk assessment in development of U.S. EPA regulations on lead. Presented at Air Pollution Control Assoc meeting, New York, June 1988.

Cohen, N.; Kneip, T. J.; Rulon, V.; Goldstein, D. H. (1974). Biochemical and toxicological response of infant baboons to lead driers in paint. Environ. Health Persp. May 1974: 161-173.

Cohen, N.; Kneip, T. J.; Rulon, V.; Goldstein, D. H. (1974). Biochemical and toxicological response of infant baboons to lead driers in paint. Environ. Health Perspectives: 73: 161-173.

Cosgrove, E.; Brown, M. J.; Madigan, P. et al. (1989). Childhood lead poisoning: Case study traces source to drinking water. J. Environ. Health 52: 346-349.

Cotter-Howells, J.; Thornton, I. (1991) Sources and pathways of environmental lead to children in a Derbyshire mining village. Environ. Geochem. Health 13: 127-135.

Crawford-Brown, D. J. (1983). An age-dependent model for the kinetics of uptake and removal of radionuclides from the GI tract. Health Physics 44(6): 609-622.

Davies, B. E.; Elwood, P. C.; Gallacher, J.; Ginnever, R. C. (1985). The relationships between heavy metals in garden soils and house dusts in an old lead mining area of North Wales, Great Britain. Environ. Pollution (Series B) 9: 255-266.

Davies, D. J. A.; Thornton, I.; Watt, J. M. et al. (1990). Lead intake and blood lead in two-year-old UK urban children. Sci. Total Environ. 90: 13-29.

Davis, B. K.; Jamall, I. S. (1991). Health risks in Eastern Europe associated with environmental pollution. Toxicologist 11(1): 191.

Davis, S.; Waller, P.; Buschbom, Ray; Ballou, J.; White, P. (1990). Quantitative estimates of soil ingestion in normal children between the ages of 2 and 7 years: Population-based estimates using Aluminum, Silicon, and Titanium as soil tracer elements. Arch Environ. Health 45(2) 112-122.

Dolcourt, J. L.; Finch, C.; Coleman, G. D. et al. (1981). Hazard of lead exposure in the home from recycled automobile storage batteries. Pediatrics 68(2): 225-228.

Duggan, M. J.; Inskip, M. J.; Rundle, S. A.; Moorcroft, J. S. (1985). Lead in playground dust and on the hands of schoolchildren. Sci. Total Environ. 44: 65-79.

Duggan, M. J. (1983). The uptake and excretion of lead by young children. Arch. Environ. Health 38: 246-247.

Ershow, A.; and Cantor K. (1989). Total water and tap water intake in the United States: Population-based estimates of quantities and sources. Report prepared under National Cancer Institute Order #263-MD-810264. Life Sciences Research Office, Federation of American Societies for Experimental Biology. Bethesda, MD.

Farfel, M. R.; Chisolm, J. J. (1991). An evaluation of experimental practices for abatement of residential lead-based paint: Report on a pilot project. Environ. Res. 55: 199-212.

Farfel, M. R.; Chisolm, J. J. (1990). Health and environmental outcomes of traditional and modified practices for abatement of residential lead-based paint. AJPH 80(10): 1240.

Forbes, G. B.; Reina, J. C. (1972). Effect of age on gastrointestinal absorption (Fe,Sr,Pb) in the rat. J. Nutr. 102: 647-652.

Freeman, G. B.; Johnson, S. C.; Liao, P.; Feder, P. I.; Killinger, J. M.; Chaney, R. L.; and Bergstrom, P. D.; (1991). Effect of soil dose on bioavailability of lead from mining waste soil in rats. Chemical Speciation and Bioavailability 3: 121-128.

Fullmer, C. S.; Edelstein, S.; Wasserman, R. H. (1985). Lead-binding properties of intestinal calcium binding proteins. J. biol. Chem. 260: 6816-6819.

Fullmer, C. S.; Rosen, J. F. (1990). Effect of dietary calcium and lead status on intestinal calcium absorption. Env. Res. 15: 91-99.

Garber, B. T.; Wei, E. (1974). Influence of dietary factors on the gastrointestinal absorption of lead. Toxicol. Appl. Pharmacol. 27: 685-691.

Gardels, M. C.; Sorg, T. J. (1989). A laboratory study of the leaching of lead from water faucets. J. AWWA July 1989: 101-113.

Gartrell, M. J.; Craun, J. C.; Podrebarac, D. S.; Gunderson, E. L. (1986). Pesticides, selected elements, and other chemicals in infant and toddler total diet samples. J. Assoc. Off Anal Chem. 69(1): 123-145.

Gibaldi, M. (1982). Pharmacokinetics. Marcel Dekker, Inc. New York, New York.

Harley, N. H.; Kneip, T. H. (1985). An integrated metabolic model for lead in humans of all ages. Final report to U.S. EPA, Contract B44899, New York University Department Environmental Medicine.

Heard, M. J.; Chamberlain, A. C. (1982). Effect of minerals and food on uptake of lead from the gastrointestinal tract in humans. Hum. Toxic. 1: 411-415.

Jacobs Engineering Group Inc., Environmental Systems Division (1989). Human Health Risk Assessment Protocol for the Populated Areas of the Bunker Hill Superfund Site. Report prepared for U.S. EPA—Region X. TES IV Contract No. 68-01-7351. Moscow, Idaho.

James, H. M.; Hilburn, M. E.; Blair, J. A. (1985). Effects of meal and meal times on uptake of lead from the gastrointestinal tract in humans. Human Toxicol. 4: 401-407.

Karalekas, P. C.; Ryan, C. R.; Taylor, F. B. (1983). Control of lead, copper, and iron pipe corrosion in Boston. J. AWWA—Res. Tech., Feb 1983: 92-95.

Karam, H. S.; Beck, B. D. (1990). Current issues in determining acceptable lead concentrations in soils. Comments on Toxicology 3(6): 509-529.

Kootsey, J. M. (1989). Introduction to Computer Simulation (SCoP), National Biomedical Simulation Resource, Duke University Medical Center, Durham, NC.

Kostial, K.; Kello, D.; Jugo, S.; Rabar, I.; Maljković, T. (1978). Influence of age on metal metabolism and toxicity. Environ. Heakth Oersoect. 25: 81-86.

Kostial, K.; Simonivic, J.; Pisonic M. (1971). Lead absorption from the intestine in newborn rats. Nature (London) 233: 564.

Lacey, R. F.; Moore, M. R.; Richards, W. N. (1985). Lead in water, infant diet and blood: The Glasgow duplicate diet study. Sci. Total Environ. 41: 235-257.

LaVelle, J. M.; Poppenga, R. H.; Thacker, B. J.; Giesy, J. P.; Weis, C. P.; Othoudt R.; Vandervoort C. (1991). Bioavailability of lead in mining wastes: an oral intubation study in young swine. Chemical Speciation and Bioavailability 3: 105-111.

Laxen, D. P. H.; Raab, G. M; Fulton, M. (1987). Children's blood lead and exposure to lead in household dust and wate—a basis for an environmental standard for lead in dust. Sci. Tot. Environ. 66: 235-244.

Leggett, R. W. (1994). A model of the biokinetics of Pb in the human circulation. Submitted for publication.

Maes, E. F.; Swygert, L. A.; Paschal, D. C.; Anderson, B. S. (1991). The contribution of lead in drinking water to levels of blood lead. I. A cross-sectional study. (Submitted for publication).

Mahaffey-Six, K.; Goyer, R. A. (1972). The influence of iron deficiency on tissue content and toxicity of ingested lead in the rat. J. Lab. Clin. Med. 79: 128-136.

Mallon, R. P. (1983). A Metabolic Model of Lead Kinetics Based Upon Measured Organ Burdens During Chronic Exposure Experiments with Infant and Juvenile Baboons. Ph.D. Thesis, Department of Biology, New York University Medical Center, New York, NY.

Mallon, R. P. (1983). A metabolic model of lead kinetics based upon measured organ burdens during chronic exposure experiments with infant and juvenile baboons. Doctoral Dissertation, New York University.

Marcus, A. H. (1985a). Multicompartment kinetic model for lead: III. Lead in blood plasma and erythrocytes. Environ. Res. 36: 473-489.

Marcus, A. H. (1985b). Testing Alternative Nonlinear Kinetic Models in Compartmental Analysis. In: Mathematics and Computers in Biomedical Applications. J. Eisenfeld and C. DeLisi (Eds). Elsevier Science Publishers BV, North-Holland (IMACS).

Marcus, A. H. (1988a). Geometric standard deviation of blood lead for children in the vicinity of point sources. Report from Battelle Columbus Division, Washington Operations to U.S. EPA. Contract No. 68-02-4246.

Marcus, A. H. (1988b) Prediction of blood lead levels in East Helena children: Comparison of aggregate air lead, disaggregate, and uptake/biokinetic models. Battelle/Columbus Division, Washington Operations, Washington, D.C.

Marcus, A. H. (1989a). Uptake of lead from formula and food by infants: Reanalysis of the Ryu et al. data. Report from Battelle Columbus Division, Arlington Operations to U.S. EPA Office of Toxic Substances. Contract No. 68-02-4294.

Marcus, A. H. (1989b). Contributions to a risk assessment for lead in drinking water. Report from Battelle Arlington to U.S. EPA Office of Toxic Substances. Contract 68-D8-0115.

Marcus, A. H. (1989c). Statistical reanalyses of relationship of blood lead in Edinburgh Children to lead in dust and water. Report from Battelle Arlington Office to U.S. EPA Office of Toxic Substances. Contract No. 68-D8-0115.

Marcus, A. H. (1991a). Estimation of childhood lead burdens from newly installed faucets. Report from Battelle Columbus to U.S. EPA Office of Toxic Substances. Report No. 68-D8-0115.

Marcus, A. H. (1991b). Inter-site comparisons of environmental lead uptake. Presented at Symposium on the Bioavailability and Dietary Uptake of Lead, ECAO/USEPA. Chapel Hill, NC, September 24-27, 1990. Report from Battelle Columbus Division, Arlington Office, to U.S. EPA Office of Toxic Substances. Contract No. 68-02-4246.

Marcus, A. H. (1991c). Relationship between soil lead, dust lead, and blood lead over time: A reanalysis of the Boston lead data. Report from Battelle Columbus Division, Arlington Office, to U.S. EPA Office of Toxic Substances. Contract No. 68-02-4246.

Marcus, A. H. (1992). Use of site-specific data in models for lead risk assessment and risk management. In: *An Update of Exposure and Effects of Lead*, B. Beck (Ed), Fund. Appl. Toxicol. 18: 10-16.

Marcus, A. H.; Bernholc, A. (1990). Variability of household water lead levels in American cities. Report from Battelle Arlington Operations to U.S. EPA. Contract No. 68-D8-0115.

Marcus, A. H.; Cohen, J. (1988). Modeling the Blood Lead—Soil Lead Relationship. In: Environmental Geochemistry and Health Monograph Series 4. Lead in Soil: Issues and Guidelines. (Eds) B. E. Davies and B. G. Wixson. Science Reviews Limited, Northwood, England. pp. 161-174.

Marcus, A. H.; Elias, R. W. (1994). Estimating the contribution of lead-based paint to soil lead, dust lead, and childhood blood lead, *Lead in Paint, Soil, and Dust: Health Risks, Exposure Studies, Control Measures, Measurement Methods, and Quality Assurance, ASTM STP 1226*, Michael E. Beard and S. D. Allen Iske, Eds., American Society for Testing and Materials, Philadelphia, 1994.

Marcus, A. H.; Holtzman, A. P. (1989). Relationships between infant blood lead concentrations and lead in water or liquid diet. Report from Battelle Columbus Division to U.S. EPA Office of Drinking Water. Contract No. 68-02-4246.

Matte, T. D.; Figueroa, J. P.; Ostrowski, S.; Burr, G.; Jackson-Hunt, L.; Baker, E. L. (1991a). Lead exposure from conventional and cottage lead smelting in Jamaica. Arch. Environ. Contam. Toxicol. 21: 65-71.

Matte, T. D.; Figueroa, J. P.; Ostrowski, S.; Burr, G.; Jackson-Hunt, L.; Baker, E. L. (1991b). Relationship between soil lead levels and blood levels among childreb living near a lead smelter in Jamaica. Chemical Speciation and Bioavailability 3: 173-179.

Menton, R. G.; Burgoon, D. A.; Marcus, A. H. (1994). Pathways of lead contamination for the Brigham and Women's Hospital Longitudinal Lead Study, *Lead in Paint, Soil and Dust: Health Risks, Exposure Studies, Control Measures, Measurement Methods, and Quality Assurance, ASTM STP 1226*, Michael E. Beard and S.D. Allen Iske, Eds., American Society for Testing and Materials, Philadelphia, 1994.

Momcilović, B.; Kostial, K. (1974). Kinetics of lead retention and distribution in suckling rats. Arch. Environ. Health 33: 115-117.

Mordenti, J. (1986). Man versus beast: Pharmacokinetic scaling in mammals. J. Pharma. Sci. 75(11): 1028-1040.

Morton, A. P.; Partridge, S.; Blair, J. A. (1985). The intestinal uptake of lead. Chem. Brit. 21: 923-927.

Munro, I. C.; Willes, R. F.; Truelove, J. F. (1975). Absorption and tissue distribution of inorganic lead in the developing infant monkey (*Macaca irus*). Toxicol. Appl. Pharmacol. 33: 128-129.

Mushak, P. (1991). Gastro-intestinal absorption of lead in children and adults: overview of biological and biophysico-chemical aspects. Chemical Speciation and Bioavailability 3: 87-104.

Mushak, P. (1992). Defining lead as the premier environmental health issue for children in America. Environ. Res. 59: 281-309.

Mykkanen, H. M.; Wasserman, R. H. (1981). Gastrointestinal absorption of lead (^{203}Pb) in chicks: influence of lead, calcium, and age. Jutr. 111: 1757-1765.

O'Flaherty, E. J. (1986). The rate of decline of blood lead in lead industry workers during medical removal: The effect of job tenure. Fund Appl. Toxicol. 6: 372-3.

O'Flaherty, E. J. (1993). Physiologically-based models for bone-seeking elements. IV. Kinetics of lead disposition in humans. Toxicol. Appld. Pharmacol. 118: 16-29.80.

Pennington, J. A. T. (1983). Revision of the total diet study food list and diets. J. Am. Dietetic Assoc. 82(2): 166-173.

Poppenga, R. H.; Thacker, B. J.; Giesy, J. P. (1990). Bioavailability of lead in mining wastes: An oral intubation study in swine. Report from Michigan State University to U.S. EPA Region VIII.

Portier, C. J.; Kaplan, N. L. (1989). Variability of safe dose estimates when using complicated models of the carcinogenic process. Fund Appl. Toxicol. 13(3): 533-544.

Proceedings of the Symposium on the Bioavailability and Dietary Exposure of Lead, (1991) September 1990, Chapel Hill, North Carolina, Chemical Speciation and Bioavailability, Volume 3, No 3-4. ISBN 0-946682-10-0.

Raab, G. M.; Laxen, D. P. H.; Fulton, M. (1987). Lead from dust and water as exposure sources for children. Environ. Geochem. Health 9(3-4): 80-85.

Rabinowitz, M. B. (1987). Stable isotope mass spectrometry in childhood lead poisoning. Biological Trace Element Research. 12: 223-229.

Rabinowitz, M. B. (1987). Stable isotope mass spectrometry in childhood lead poisoning. Biological Trace Element Research. 12: 223-229.

Rabinowitz, M. B.; Kopple, J. D.; Wetherill, G. W. (1976). Kinetic analysis of lead metabolism in healthy humans. J. Clin. Invest. 58: 260-270.

Rabinowitz, M. B.; Kopple, J. D.; Wetherill, G. W. (1980). Effect of food intake and fasting on gastrointestinal lead absorption in humans. Am. J. Clin. Nutr. 33: 1784-1788.

Rabinowitz, M.; Leviton, A.; Bellinger, D. (1984). Home refinishing, lead paint, and infant blood lead levels. Amer. J. Public Health. 75: 403-404.

Rabinowitz, M.; Leviton, A.; Needleman, H.; Bellinger, D.; Waternaux, C. (1985). Environmental correlates of infant blood lead levels in Boston. Environ. Res. 38: 96-107.

Revicki, D. A.; Elixhauser, A.; Hersey, J.; Marcus, A. (1991). The cost-effectiveness of alternative lead abatement strategies. Report from Battelle to CDC/CEHIC.

Ryu, J. E.; Ziegler, E. E.; Nelson, S. E.; Fomon, S. J. (1983). Dietary intake of lead and blood lead concentration in early infancy. Am. J. Dis. Child. 137: 886-891.

Sawyer, M.; Kearney, T.; Spector, S. et al. (1985). Lead intoxication in children—Interdepartmental Conference. University of California, San Diego (Specialty Conference). West J. Med. 143: 357-364.

Schilling, R. J.; Bain, R. P. (1988). Prediction of children's blood lead levels on the basis of household-specific soil lead levels. Am. J. Epidemiology 128(1): 197-205.

Schock, M. R.; Neff, C. H. (1988). Trace metal contamination from brass fittings. J. AWWA 80(11): 47-56.

Sherlock, J. C.; Quinn, M. J. (1986). Relationship between blood lead concentrations and dietary lead intake in infants: The Glascow Duplicate Diet Study 1979-1980. Food Additives and Contaminants 3: 167-176.

Simmons, C. M. (1989). City of Raleigh's experience in the pilot public education program for lead in drinking water. Raleigh, North Carolina.

Stark, A. D.; Quah, R. F.; Meigs, J. W.; DeLouise, E. R. (1982). The relationship of environmental lead to blood-lead levels in children. Environ. Res. 27: 372-383.

Steele. M. J.; Beck, B. D.; Murphy, B. L. (1990). Assessing the contribution from lead in mining wastes to blood lead. Reg. Toxicol. Pharm., 11: 158-190.

Succop, P. A.; O'Flaherty; Bornschein, R. L. et al. (1987). A kinetic model for estimating changes in the concentration of lead in the blood of young children. In: International Conference: Heavy Metals in the Environment, (Eds) Lindberg, S. E.; Hutchinson, T. C.; New Orleans, September 1987. (EP Consultants Ltd., Edinburgh, pp. 289-291).

Thornton, E.; Daview, D. J. A.; Watt, J. M.; Quinn, M. J. Lead exposure in young children from dust and soil in the United Kingdom. Environ. Health Persp. 89: 55-60.

Trotter, R. T. (1990). The cultural parameters of lead poisoning: A medical anthropologist's view of intervention in environmental lead exposure. Environ. Health Persp. 89: 79-84.

Tukey, J. W. (1977) *Exploratory Data Analysis*. Addison-Wesley Publishing Co., Reading MA.

U.S. Department of Housing and Urban Development (1990). Comprehensive and workable plan for the abatement of lead-based paint in privately owned housing. Office of Policy Development and Urban Research. PB91-193953.

U.S. Environmental Protection Agency (1986). Air Quality Criteria for Lead Volume I-IV. Environmental Criteria and Assessment Office, Office of Research and Development, RTP, NC. EPA 600/8-83-028 a-d.

U.S. Environmental Protection Agency (1989a). Review of the National Ambient Air Quality Standards for Lead: Exposure Analysis Methodology and Validation. U.S. EPA Office of Air Quality Planning and Standards, RTP, NC. EPA-450/2-89/011.

U.S. Environmental Protection Agency (1989b). Guidance Concerning Soil Lead Cleanup Levels at Superfund Sites. Directive #9355.4-02. Office of Solid Waste and Emergency Response. September 1989.

U.S. Environmental Protection Agency (1989c). Exposure Factors Handbook. U.S. EPA Office of Health and Environmental Assessment, Washington, DC. EPA/600/8-89/043.

U.S. Environmental Protection Agency (1990a). Technical Support Document on Lead. Document prepared for Office of Solid Waste and Emergency Response by U.S. EPA/ECAO Cincinnati, OH. ECAO-CIN-757.

U.S. Environmental Protection Agency (1990b). Report of the Clean Air Scientific Advisory Committee on its Review of the OAQPS Lead Staff Paper and the ECAO Air Quality Criteria Document Supplement. EPA-SAB-CASAC-90-002. January 1990.

U.S. Environmental Protection Agency (1990c). Risk Assessment Data Evaluation Report (RADER), by TerraGraphics Environmental Engineering under Contract #68-W9-0008, WA #C10012, October 1990.

U.S. Environmental Protection Agency (1991a). Three City Urban Soil-Lead Demonstration Project—Midterm Project Update. U.S. EPA ECAO/HEARD. 21S2001.

U.S. Environmental Protection Agency (1991b). National Air Quality and Emissions Trends Report 1989. Report prepared by U.S. EPA OAQPS, RTP, NC. EPA-450/4-91-003.

U.S. Environmental Protection Agency (1991c). National Primary Drinking Water Regulation for Lead (NPDWR). Federal Register 56-26460. June 7, 1991.

U.S. Environmental Protection Agency (1991d). Sampling Manual for Site-Specific Data Collection for the Lead Integrated Biokinetic Uptake Model. Report to U.S. EPA from Cadmus Assoc. (in preparation).

U.S. Environmental Protection Agency (1992a). An SAB Report: Review of the Uptake Biokinetic Model for Lead. EPA-SAB-IAQC-92016. March 1992.

U.S. Environmental Protection Agency (1992b). Guidance for Data Useability in Risk Assessment (Part A). Directive #9285.7-09A. Office of Emergency and Remedial Response. April 1992.

U.S. Environmental Protection Agency (1993). Urban Soil Lead Abatement Demonstration Project, Volume I: Integrated Report, Office of Research and Development. EPA/600/AP-93/001a, July 1993.

van Wijnen, J. H.; Clausing, P.; Brunekreef, B. (1990). Estimated soil ingestion by children. Environ. Res. 51: 147-162.

von Lindern, I. (1991). Projected Blood Lead Distribution for Proposed Soil Cleanup Guidelines—Bunker Hill Site Residential Soils Feasibility Study (Technical Memorandum from TerraGraphics Environmental Engineering to Sally Martyn, U.S. EPA Region X).

Walter, S. D.; Yankel, A. J.; von Lindern, I. H. (1980). Age-specific risk factors for lead absorption in children. Arch. Environ. Health 35:53-58.

Weis, C. P.; Poppenga, R. H.; Thacker, B. J. (1994). Design of pharmocokinetic and bioavailability studies of lead in an immature swine model. In: Lead in paint, soil, and dust: Health risks, exposure studies, control measures, measurement methods, and quality assurance. Beard, M.E.; Iske, S.A., Eds. ASTM 1226. Philadelphia: American Society for Testing and Materials.

Weis, C. P.; LaVelle, J. M. (1991). Characteristics to consider when choosing an an animal model for the study of lead bioavailability. In: Proceedings of the Symposium on the Bioavailability and Dietary Exposure of Lead, Chemical Speciation and Bioavailability 3: 113-119.

Weitzman, M.; Aschengrau, A.; Bellinger, D.; Jones, R.; Hamlin, J. S.; Beiser, A. (1993). Lead-contaminated soil abatement and urban children's blood lead levels. J. Amer. Med. Assoc. 269: 1647-1654.

West, J. R.; Smith, H. W.; Chasis, H. (1948). Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. J. Pediatr. 32: 10-18.

Whitfield, R. G.; Cohen, J.; Marcus, A. H.; Zaragoza, L. J. (1989). Using data and judgment to estimate blood-lead distributions among children from soil-lead levels and other environmental factors. Unpublished report for Argonne National Laboratory, Energy and Environmental Systems Division.

Woodward-Clyde (1991). Demographics workplan California Gulch Study Area Leadville, Colorado. Prepared for Asarco by WoodwardClyde. Project No. 22443E-33441. July 1991.

Yaffe, Y. et al. (1983). Identification of lead sources in California children using the stable isotope ratio technique. Arch. Environ. Health 38(4): 237-245.

Yankel, A. J.; von Lindern, I. H.; Walter, S. D. (1977). The Silver Valley lead study: the relationship of childhood lead poisoning and environmental exposure. J. Air Pollut. Control Assoc. 27: 763-767.

Ziegler, E. E.; Edwards, B. B.; Jensen, R. L.; Mahaffey, K. R.; Fomon, S. J. (1978). Absorption and retention of lead by infants. Pediatr. Res. 12: 29-34.