Subject Index

A

Abatement, 12, 107, 175
  cleaning, 145
  Comprehensive Abatement Performance Study, 41, 120, 162, 227
  dust, 191, 268
efficacy studies, 119, 162, 227
  programs, 329
Absorption, gastrointestinal, 3
Acceptance/rejection criteria, 313
Adhesive lift sampling technology, 249
American Association for Laboratory Accreditation, 382
American Industrial Hygiene Association, 382, 403
  Environmental Lead Proficiency Analytical Testing program, 329, 373, 403
Atmospheric Research and Exposure Assessment Laboratory, 191
Atomic absorption spectroscopy, 191, 215, 329, 355, 382
Atomic Emission spectroscopy, 355
Atomic spectrometry, 145

B

Baltimore, 107
Bioavailability, 3
Blood, lead in, 12, 63, 76, 107, 119, 339
  infant, 92
  reference materials, 339
  structural equation modeling for, 12
Bone lead, 63
  simulated tibia, 339
Brigham and Women's Hospital, 92

C

CAPS, 41, 120, 162, 227
Carbonate, 268
Centers for Disease Control, 76, 215, 355
Chemical methods, EPA Contract Laboratory program, 207
Children, lead exposure, 162, 175
  intervention strategies, 119
  literature review on, 76
  mammalian model for, 3
  multiple regression models for, 92
  poisoning, 63
  sources for, 107
  structural equation modeling for, 12
Cleaning, lead painted buildings, 145
Clearance wipe tests, 56
Comprehensive Abatement Performance Study, 41, 120, 162, 227
Consumer Product Safety Commission, 382

D

Double-blind sample applications, 355
Dust, lead in, 107, 119, 145, 175
  abatement efficacy, 162
  bulk, 329
  characterization, level, 41
  Housing and Urban Development study on, 27
  laboratory accreditation, 373
  measurement methods for, 191, 215, 268
  method evaluation materials, 329
  migration, 56
  multiple regression models, 92
  post abatement, 268
reference materials for, 329, 339
sample collection, 227, 249
structural equation modeling for, 12
surface, 249
urban, 283, 355
X-ray fluorescence method for, 215

Inductively coupled plasma, 191, 215, 329, 355, 382
International Bureau of Weights and Measures, 303
International Committee for Weights and Measures, 303
Intervention strategies, 120
Iron, 283
Isotope tracer, 63

Laboratory accreditation, lead, 373, 382, 403
Lead acetate, 3
Lead-Based Paint Abatement Demonstration, 41, 56, 162
Lead-Based Paint Poisoning Prevention Act, 175
Lead Research Program, 191
Log-additive model, 92

Maintenance, to reduce lead in dust, 107
Manganese, 283
Mass fractionation, 63
Mass spectrometry, 63
Measurement reliability, 191
Method evaluation materials, 191, 329
Mining area, 3
Modeling
biokinetic, 63
log-additive, 92
mammalian, 3
multiple regression, 92
structural equation, 12
Multiple regression, 92

National Institute for Occupational Safety and Health, 145, 373, 382, 403
National Institute of Standards and Technology, 283, 303, 339
National Lead Laboratory Accreditation Program, 373, 382
Nonlinear regression, 12

O

Oxide, lead, 268

P

Packaging, quality control, 313
Paint, lead
  abatement, and efficacy of, 107, 119, 162
  cleaning and concentrations of, 145
  forms of, 268
  housing, survey of, 27
  isotope ratios, 63
  laboratory accreditation for, 373
Lead-Based Paint Abatement Demonstration, 41, 56, 162
measurement methods, 191
pathways into dust and soil, 12, 92
reference materials for, 339
source for elevated soil lead, 76
source for poisoning, 175
source for urban soil, 283
Personal breathing zone, 145
Pharmokinetic, 3
Plasma emission spectrometry, inductively coupled, 191, 215, 329
Point-source emitters, 76
Public Housing Authority demonstration, 56

Q

Quality control, 215, 303, 313, 355, 403
Quality requirements, lead laboratory, 373, 382, 403

R

Records, quality control, 313
Reference materials, 191, 215, 355
  method evaluation materials, 329
National Institute for Standards Technology, 339
  system for, 303
Regression
  multiple, 92
  nonlinear, 12
Renovation, 145
Repairs, to reduce lead in dust, 107
Repeated measures analysis, 12

S

Sampling, quality control, 313
Scanning electron microscopy, 268, 283
Scraping, 145
Sieving, material preparation, 329
Smelting, 3
Soil, lead in, 119, 175, 339
  abatement efficacy, 162
  abatement performance study, 227
  characterization, level, 41
Housing and Urban Development study on, 27
  measurement methods for, 191, 207, 215
  particulate, 283
  peeling paint as source, 76
  sampling and analysis of, 227
  structural equation modeling for, 12
  urban, double-blind sample applications, 355
  X-ray fluorescence method for, 215
Spatial distribution, 249
Speciation, 283
Specimen storage, quality control, 313
Standard reference materials, 191, 215, 355
method evaluation materials, 329
National Institute for Standards Technology, 339
system for, 303
Sterilization, material preparation, 329
Structural equation, 92
Surface dust particulate collection, 249
Survey, lead paint in houses, 27
Swine, 3

T
TCLP testing, 56
Test kits, 191
Tibia, simulated human, 339
Traceability, chemical analysis data, 303
Tracers
isotope, 63
physical, 12

U
Urban Soil Lead Abatement Demonstration Project, 215, 355
U.S. Department of Housing and Urban Development, 27, 41, 56, 119, 162, 227
U.S. Environmental Protection Agency, 27, 41, 76, 92, 107, 120, 191, 227, 382
measurement protocols, 382
Office of Pollution Prevention and Toxics, 373
Urban Soil Lead Abatement Demonstration Project, 215, 355
X-ray fluorescence equipment, portable, 191, 207

V
Vacuuming, 145
dust, 227
micro, sample, 249

W
Water, tap, lead in, 92
Wipe samples, 56, 227, 249, 329

X
X-ray energy spectroscopy, 283
X-ray fluorescence, 191, 207, 268, 355, 382
energy-dispersive, 215