

Subject Index

A

Airborne remote sensing, 63
 Air Force installations, 225
 Air, lead in, 125
 Air permeability, 289
 ASTM standards, 1
 D 1586, 233
 D 5088, 345
 D 5101, 376
 lead sampling and validation
 methods, 125
 refuse derived fuel, 137
 Atterberg limits, 303

B

Bias, sampling, 33
 Bioavailability, 317
 Buildings, sampling hazardous
 materials in, 111
 Bulk sampling, 111

C

Cadmium, 317
 Carbon dioxide, 289
 Cation exchange, 303
 Comprehensive Environmental
 Response, Compensation
 and Liability
 Act, 21
 Calcium magnesium acetate, 271
 Chlorinated organic solvents, 207
 Chromium, 179
 Cone penetrometer, 93, 192
 Multiport Sampler, 207

D

Decontamination, field
 equipment, 345
 Deicer, 271
 Dense non-aqueous phase liquid
 contaminant, 81
 Dielectric constant, 303

Direct injection, 371
 Direct push technology, 93, 192, 233
 Drilling, 93, 192
 Drive point profiling, 81
 Drive probes, 271
 Dust, lead in, 125

E

Electron microprobe, 317
 Equipment, sampling, 345, 359
 Exposure, worker, 47

F

Fiber optic laser techniques, 93
 Field equipment, decontamination
 D 5088, 345
 Field screening analytical
 methods, 21
 Filter, disposable capsule, 329
 Filtration, 158, 376
 Flowcell method, 158
 Fluid sampling, 207
 Fly ash, 376

G

Gas chromatograph, 371
 Geographical information system,
 359
 Geoprobe, 233
 Geotextiles, 376
 Gloves, disposable, 329
 Gradient ratio test, 376
 Granular soils, 271
 Ground water, 192, 233, 345
 biofouling control, 158
 plume delineation, 179
 transport mechanisms, 143

H

Heavy elements, pollution, 317
 Hydraulic conductivity, 303
 Hydrocarbon contamination, 289
 HydroPunch, 179, 233

392 SAMPLING ENVIRONMENTAL MEDIA

K

Kaolinite, 303

I

Ion trap mass spectrometer, 207

L

Laser induced fluorescence, 192

Leachates, 63

Lead, 317

sampling and validation
methods, 125

M

Materials Safety Data Sheet, 47

Metals, 179

Methanol preservation, 255

Microscopy, 158

Monitoring, 63

biofouling, 158

devices, 21

soil gas, 289

wells, 81, 179, 233

Multiport Sampler, 207

Municipal solid waste, 137

O

Organic solvents, chlorinated,
207

Oxygen, 289

Oxygen profiles, 271

P

Paint, lead in, 125

Penetration test, 233

Personal protective equipment, 47

Petrographic analysis, 143

Photoionization detectors, 371

Piping, 376

Pore fluid, 303

Pore pressure, 192

Purge and trap autosampler, 371

Q

Quality assurance, 345

Quality control, 345
requirements, 329

R

Reduction, municipal solid
waste, 137

Refuse derived fuel, 137

Remedial investigations, 21,
143, 255

accelerating, 225

bioremediation, 289

Resource recovery, 137

Respiration testing, 289

Rock, 143

Roofs, hazardous materials in,
111

S

Safety and health plan,
sampling, 47

Scanning electron microscope,
317

Sediment, 359

Shelters, disposable, 329

Site characterization, 81, 93,
143, 233, 359

Site geology, 143
remote sensing, 63

Slurry method, 376

Soil, 192, 317, 359

borings, 179

fine-grained, 303

gas, 233, 255, 271, 371

gas data, 289

granular, 271

lead in, 125

pore fluid, 207

water, 329

Sphalerite, 317

Split-barrel sampling, 233

Staining, 143

Standards (See also ASTM
standards)

biofouling component
analysis, 158

data collection, 1

direct push technology, 93

remedial investigation, 225

lead sampling and validation,
125

sampling, 111
 site safety and health, 47
 Stratigraphic collection, 143
 Stratigraphic mapping, 93
 Storage tank, underground,
 81
 Surface charge density, 303

T

Thematic mapper, airborne,
 63
 Thermal infrared sensing, 63
 Thermography, 63
 Time series sampling, 158
 Total volatile hydrocarbons,
 289
 Trace elements, 329

U

U.S. Environmental Protection
 Agency, 1, 345
 U.S. Geological Survey, 1, 329

V

Vadose zone, 255, 271, 371
 Vapor sampling, 111, 192, 207
 Venting, 289
 Vibro-prep technique, 376
 Volatile hydrocarbons, 289
 Volatile organic compounds, 81,
 179, 255

W

Walls, building, hazardous
 materials in, 111
 Waste cleanup, hazardous
 sampling strategy, 21
 Waste management standards, 1
 Water data acquisition
 standards, 1
 Water, 93
 ground water, 192, 233, 345
 biofouling control, 158
 plume delineation, 179
 transport mechanisms, 143
 surface, sampling, 329

Z

Zeta potential, 303
 Zinc sulfide, 317