

Brooke Francis | Senior Environmental Advisor

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Professional Summary:

Brooke Francis is a Senior Environmental Advisor in Chantilly, Virginia with more than 14 years of environmental experience with various government contracts. She has experience in soil and ground water sampling at numerous Department of Defense and EPA Superfund sites using Quality Systems Manual and Uniform Federal Policy guidance. She also has experience with laboratory volatiles analysis and data validation/verification for numerous EPA solid waste methods along with developing deliverables to provide usable data to clients. Brooke has experience following EH&S compliance along with OSHA standards. She has also completed mold and indoor air quality investigations for commercial and residential properties in Washington D.C., Maryland, and Virginia. As an asbestos building inspector and project designer, she has completed over fifty inspections of residential and commercial facilities.

Areas of Expertise

- Asbestos Inspection
- Microbial and Water Damage Investigation
- Smoke Damage Assessment
- Indoor Air Quality Assessment
- Category III Bacteria Sampling
- Environmental Groundwater and Soil Sampling
- GC/MS Volatiles Analysis
- Phase I and Phase II Environmental Site Assessments

Licenses and Certifications:

OSHA 29 CFR 1910.120, 40S-1004A, 40-Hour Safety Training

OSHA 29 CFR 1910.120 8-Hour Refresher Safety Training (annual)

OSHA 29 CFR 1926 30-Hour Construction Training

Asbestos Inspector, Maryland, AI05112023-6, AMA

Asbestos Inspector, Virginia, 3303004856, DPOR

Asbestos Project Designer, Virginia, ALS2024-3979, ALS

Project Experience:

Mold and Water Damage Assessments

Hurricane Ian, Florida

Industrial Hygienist providing services including mold tape sampling along with moisture intrusion evaluations after schools and residential homes were damaged by Hurricane Ida. Ms. Francis completed bacterial sampling for Category III water analysis. Post sampling included reviewing laboratory data along, post remediation verifications and creating mold remediation protocols.

Mold and Water Damage Assessments

Hurricane Ida, New Orleans, Louisiana

Industrial Hygienist providing services including mold tape sampling along with moisture intrusion evaluations after schools and residential homes were damaged by Hurricane Ida. Post sampling included reviewing laboratory data along with creating mold remediation protocols.

Residential Mold Assessments

Maryland, Virginia, and Washington D.C.

Ms. Francis has completed over fifty mold assessment/cause & origin investigations at residential properties in Maryland, Virginia, and Washington D.C. The assessments have included air quality testing for mold, surface testing, evaluation of multiple sources of moisture intrusion, and development of mold remediation plans.

Smoke and Water Damage Assessments

Weis Markets, Lancaster, Pennsylvania

Conducted a smoke and water damage assessment at a Weis Market after a roof fire. The project involved an on-site assessment of smoke damage, developing a cleaning protocol, and providing oversight of the remediation contractor.

Residential Asbestos Inspections

Travelers Insurance Claims, Maryland, Virginia, and Washington D.C.

Conducted asbestos inspections for insurance claims for residential homes. This includes collecting of samples of suspect building materials and assessment of building conditions.

Smoke Damage Assessment

Benning Transfer Station, Washington D.C.

Completed a smoke damage assessment of a transfer station in Washington, D.C after a fire began in the sorting portion of the facility. The project included combustion byproduct sampling to determine areas requiring remediation and development of a cleaning protocol.

Indoor Air Quality Assessment

Cannon Hill Property, Herndon, Virginia

Completed an IAQ survey of commercial office buildings to collect baseline data. The survey included standard IAQ comfort parameters, direct dust measurements and a thorough visual inspection of all areas of the facility and the HVAC system.

Long Term Monitoring

Leidos, Childersburg, AL

Environmental chemist responsible for groundwater and soil sampling to investigate explosive and metal contamination over time to see if cleanup goals were being met. Develops ground water sampling plans to include methods and laboratory limits to be met. Organizes, reviews, and interprets all analytical results along with directly communicating any issues with the laboratory.

Groundwater Monitoring Events**Leidos, Langley, VA**

Sample manager responsible for annual groundwater sampling activities at a landfill cap to include sample collection, field screening of multiple parameters, and shipping of environmental samples. Validates ground water sample data and develops deliverables to include any sample result discrepancies to provide usable data.

Phase II Environmental Assessments**Leidos, Savanna, IL**

Environmental chemist responsible for planning and managing field activities and personal, supervision, and coordination of subcontractors at various sampling locations. Environmental groundwater and soil sampling to investigate contamination at a future wildlife preserve. Develop ground water sampling plans to include methods, project guidelines, and project limits. Organization and validation of data, preparation of reports and production of usable data for risk assessors to assist with cleanup goals.

Professional Experience:

Leidos, Environmental Chemist III, 2011-2021
Hydrogeologic, Inc., Assistant Chemist, 2010-2011
GPL Laboratories, Environmental Analyst, 2008-2010

Education:

B.S., Chemistry, Radford University, Radford, VA, 2007