

Cienna Kirkland

Sample Custodian

ciennakirkland@tdi-bi.com, (979) 693-3446

TDI-Brooks International, Inc.

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

PROFESSIONAL EXPERIENCE

- Sample Custodian, TDI-Brooks International, Inc., September 2019 - Present
- Clinical Pathology Lab Technician, Texas A&M Veterinary Medical Diagnostic Laboratory, February 2017 - September 2019
- Environmental Lab Technician, TDI-Brooks International, Inc., October 2010 - February 2017
- Student Worker, Texas A&M Student Business Services, January 2007 - October 2010

KEY ACHIEVEMENTS - TDI BROOKS INTERNATIONAL, INC.

Sample Custodian:

- Receive, log, and track samples under Chain of Custody requirements
- Prepare samples to be sent to contract laboratories under Chain of Custody
- Organize samples for analysis and long-term storage
- Monitor and archive temperature records for sample storage areas
- Maintain Safety Data Sheets (SDS) binder
- Receive, log, and track inventory/consumables
- Maintain purchase order records
- Determine total organic/inorganic carbon in sediment using LECO 632 analyzer
- IATA Dangerous Goods Shipping and DOT Hazardous Materials Transportation Certified

Environmental Lab Technician:

- Prepare and extract environmental samples via ASE instrument and other methods
- Determine total organic/inorganic carbon in sediment using LECO 632 analyzer
- Perform analytical tests including percent dry weight, percent lipid, and extracted organic material
- Perform sample cleanup by column chromatography and HPLC
- Concentrate samples using water bath and nitrogen blow down (N-EVAP)
- Organize and maintain sample chain of custody, logbooks, and detailed records
- Calibrate and verify accuracy of instruments, pipettes, and balances
- Prepare necessary reagents and materials and perform routine lab maintenance
- Work closely with QA officer to create, edit, and implement new training documents and standard operating procedures that meet ISO 9001 and NELAP requirements

KEY ACHIEVEMENTS - TEXAS A&M VETERINARY MEDICAL DIAGNOSTIC LABORATORY

- Perform tests in accordance with ISO 17025, AAVLD, and USDA regulations
- Catalog samples; maintain sample organization and storage
- Obtain complete blood counts using multichannel Advia instrument; manually acquire additional values such as total protein, fibrinogen, and hematocrit
- Microscopically evaluate peripheral blood smears for hemoparasites and cell morphology; perform manual white blood cell differential
- Perform urinalysis
- Prepare and analyze samples on AU480 and Immulite instruments for chemistry and immunoassay testing
- Analyze serum proteins by electrophoresis (SPE)
- Perform various ELISA tests
- Prepare fine needle aspirate slides and fluids for cytological review
- Perform various qualitative and quantitative fecal parasitology tests
- Maintain inventory and prepare necessary materials and reagents



TDI-Brooks International, Inc.

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

Cienna Kirkland

Sample Custodian

ciennakirkland@tdi-bi.com, (979) 693-3446

- Verify accuracy of various instruments; perform and document instrument maintenance
- Enter data and results in USA LIMS, CoreOne
- Review normal test results and distribute reports to clients

FORMAL EDUCATION

- Texas A&M University, College Station, TX, Bachelor of Science, Biology, May 2010