

KHBNR Sampling Protocol and QA/QC plan

The following protocols were used to collect, prepare, and analyze all water samples gathered by KHBNR:

1. All samples were collected by individuals wearing sterile gloves.
2. Samples were collected in sterile 100 ml Naspak whirl pack bags (ISO9001).
3. Each sample was collected to the 100 ml line
4. Each sample was collected below the surface of the flowing stream, collected upstream of the sampler.
5. Collection time, date and location were noted in a field log and chain of custody form. Location, date and time were recorded on the Naspak whirl pack.
6. When necessary an extendable rod was used with a sterile sample cup attached to assure quality control. The sample cup was rinsed three times before the sample was collected.
7. All samples were immediately placed on ice and placed in an ice chest for transport to the laboratory.
8. All holding times and temperature values were reviewed by the lab and confirmed that no holding times or temperature values were exceeded.
9. Analysis are for E Coli (HACH m ColiBlue), Nitrate (SM 2000 4500-N03 E) methods were used.
10. E. coli results were recorded in CFU/100ml. Nitrate results were recorded in mg/L
11. The samples were delivered to and analyzed by Environmental Services Company, Inc, 1107 Century Avenue, Springdale, AR 72762; 479-750-1170 certified by the State of Arkansas.