



NRRC

Certified Water Quality Laboratory

The NRRC offers several areas of water testing which includes waste water, storm runoff, and water containment site analysis. We are certified by the Arkansas Department of Environmental Quality to provide a large range of services for municipalities and industry. The NRRC also accepts samples from landholders and others needing water testing or consulting. Our rates are very competitive and we can provide on-site sampling, consulting, and fast turnaround of samples and results. The NRRC is honored to serve our Southern Arkansas community.

**For more information on using the available services, contact
Dr. Gija Geme at (870) 235-5342 or gijageme@saumag.edu.**

SOUTHERN ARKANSAS UNIVERSITY
NRRC
NATURAL RESOURCE
RESEARCH CENTER

(870) 235-5342
web.SAUmag.edu/science/NRRC

Natural Resource Research Center

ADEQ Certified Water Quality Laboratory

2014 Analytical Cost Schedule – Water Samples Only

Analysis	Equipment	Method	MDL (mg/L)	PQL (mg/L)	Cost Per Sample
Sample Handling Fee	Documentation	Log, QA & QC			\$5
Water Sample Filtration	Vacuum Filtration	0.45 µm or as specified			\$5
Onsite Analysis Fee	Various	Various			\$5
Sample Pick Up Fee	Driving to location				Varies by location
<u>General Parameters</u>					
pH	Hach 101	EPA 150.1	-	-	\$8
Conductivity	Hach 40101	EPA 120.1	-	-	\$8
Alkalinity	Buret	EPA 310.1	-	2	\$15
Hardness, Total	Shimadzu 9000	EPA 200.7	-	-	\$20
Turbidity	Hanna 88703	EPA 180.1	-	0.2	\$10
Dissolved Oxygen (DO)	Hach 10101	EPA 360.1	0.1	1	\$10
Biochemical Oxygen Demand (CBOD5)	Hach 10101	EPA 405.1	0.1	1	\$20
Chemical Oxygen Demand (COD) – certification pending S2014	Hach 8000	EPA 410.4	4	20	\$25
Solids – Total Dissolved Solids (TDS)	Shimadzu AUX 220	EPA 160.1	5	10	\$12
Solids – Total Suspended Solids (TSS)	Shimadzu AUX 220	EPA 160.2	2	4	\$12
Solids – Total Solids	Shimadzu AUX 220	EPA 160.3	2.5	10	\$12
Solids – Volatile Solids	Shimadzu AUX 220	EPA 160.4	5	10	\$12
Oil and Grease – certification pending S2014	Extraction, gravimetric	EPA 1664	2	5	\$50
<u>Inductively Coupled Plasma – Optical Emission Spectrometry</u>					
ICP-OES Dissolved Trace Metal Suite: Any 5 metals	Shimadzu 9000	EPA 200.7	-	-	\$50
ICP – OES Individual Cation or Trace Metal			-	-	\$15
Total Elemental Concentrations in Water Samples	Please contact the NRRC at 870.235.5342 for further information				Quote
<u>Ion Chromatography (IC)</u>					
IC – Anions Suite: Cl, F, NO ₃ -N, NO ₂ -N, and SO ₄	Dionex ISC-900	EPA 300.1	-	-	\$40
IC – Anions Suite: NO ₃ & NO ₂ –N		EPA 300.1	-	-	\$20
IC – Individual Anion		EPA 300.1	-	-	\$15
IC – Bromide (Br) or phosphate (PO ₄ -P)		EPA 300.1	-	-	\$20
<u>Wet Chemistry Analyzers</u>					
Ammonia - N	Hach 18101	EPA 350.3	0.03	0.1	\$15
Total Phosphorus	Shimadzu 9000	EPA 200.7	0.02	0.05	\$15
Total Residual Chlorine	Hanna 96711	EPA 330.5	0.1	0.1	\$15
Total Nitrogen – certification pending S2014	Shimadzu VCSH	ASTM D 5176	0.05	-	\$15
Total Organic Carbon (TOC, combustion) – certification pending S2014	Shimadzu VCSH	EPA 415.1	0.3	1.0	\$15
*Next day mail or delivery required					
<u>Microbiological Analyses</u>					
Total Coliform plus E.coli (1 dilution)	Hach	EPA 1103.1	-	-	\$25
Fecal Coliform (1 dilution)	Hach	SM 9222D	-	-	\$25
(Additional Dilutions)					\$10
Other Services Available – Please Contact the NRRC at 870.235.5342 for further Information					
Water Quality Monitoring – Customize Water Sample Collection and Analytical Services					Quote
Water Sample Analysis – Analytical Packages Maybe Customized to Specific Needs					Quote
Aquatic Macroinvertebrate Collection and Identification Services					Quote