

# LABORATORY SERVICES

## FOUR RIVERS SANITATION AUTHORITY

3107 Grant Park Blvd.  
Rockford, IL 61109  
Phone: 815-387-7523  
laboratory@fourrivers.illinois.gov

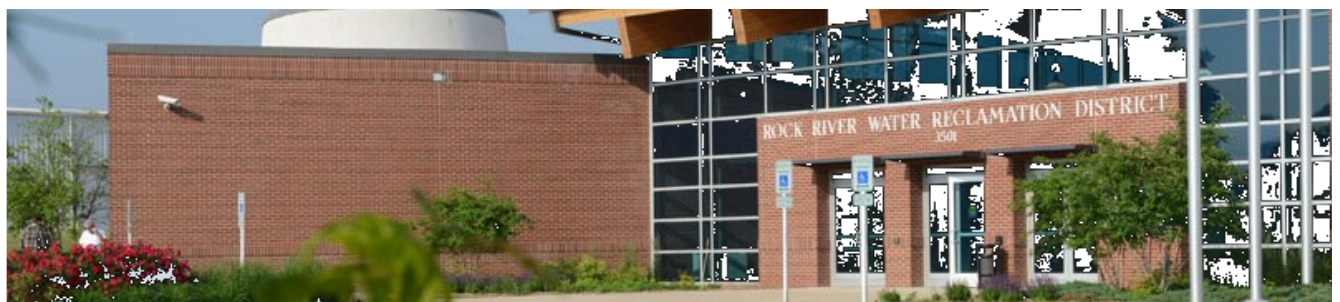
Hours: 8:00 AM—4:30 PM



Lab Staff perform over 80,000 analyses annually for parameters including solids, biological and chemical oxygen demand, cyanide, nitrogen compounds, anions, heavy metals, oil and grease, and volatile organic compounds. Instrumentation includes uv/vis spectrophotometer, inductively coupled plasma mass spectrometer, ion chromatograph, as well as various specialized proprietary equipment.

A full list of analysis capabilities and associated prices is on the opposite side of this document. Please contact us for sample bottles and chain of custody forms.

The District's laboratory is accredited through National Environmental Laboratory Accreditation Program.





## FRSA Laboratory Scope of Analysis & Price List

Heavy Metals (Price for all 24 metals is \$75.00)			
Analysis Method: EPA 200.8	reporting limit (mg/L)	NELAC Accredited	price
Sample Prep (acid digestion)*			\$25.00
Antimony	0.005	✓	\$15.00
Arsenic	0.001	✓	\$15.00
Barium	0.005	✓	\$15.00
Beryllium	0.001	✓	\$15.00
Cadmium	0.001	✓	\$15.00
Calcium	3.000		\$15.00
Chromium	0.005	✓	\$15.00
Cobalt	0.005	✓	\$15.00
Copper	0.005	✓	\$15.00
Iron	0.500		\$15.00
Lead	0.001	✓	\$15.00
Magnesium	3.000		\$15.00
Manganese	0.005	✓	\$15.00
Molybdenum	0.001	✓	\$15.00
Nickel	0.005	✓	\$15.00
Potassium	3.000		\$15.00
Selenium	0.001	✓	\$15.00
Silver	0.001	✓	\$15.00
Sodium	3.000		\$15.00
Thallium	0.005	✓	\$15.00
Tin	0.005		\$15.00
Titanium	0.005		\$15.00
Vanadium	0.001	✓	\$15.00
Zinc	0.010	✓	\$15.00

\*All heavy metals samples require acid digestion prior to analysis.

Microbiological Analyses			
Contact lab for analysis methods.	reporting limit (mpn/100mL)	NELAC Accredited	price
Fecal Coliform	1		\$30.00
Total Coliform & e-Coli	1		\$30.00

Wet Lab Analyses			
Contact Lab for analysis methods.	reporting limit (mg/L)	NELAC Accredited	price
Acids, Volatile	50		\$20.00
Alkalinity	25	✓	\$20.00
BOD	2	✓	\$45.00
CBOD	2	✓	\$35.00
COD	20	✓	\$30.00
Conductivity	1	✓	\$15.00
Chromium, hexavalent	0.01	✓	\$35.00
Cyanide	0.05	✓	\$50.00
Hardness	10	✓	\$35.00
Nitrogen, Ammonia	0.1	✓	\$30.00
Nitrogen, Kjeldahl	1	✓	\$30.00
Oil & Grease, total	5	✓	\$60.00
pH	n/a	✓	\$10.00
Phosphorus	0.05	✓	\$15.00
Solids, Total (TS)	50	✓	\$20.00
Solids, Total Dissolved (TDS)	50	✓	\$20.00
Solids, Total Suspended (TSS)	2	✓	\$20.00
Solids, Total Volatile (TVS)	50		\$20.00
Solids, Volatile Suspended (VSS)	10		\$20.00

Anions (Price for all seven anions is \$75.00)			
Analysis Method: EPA 300.0	reporting limit (mg/L)	NELAC Accredited	price
Bromide	0.500	✓	\$25.00
Chloride	1.000	✓	\$25.00
Fluoride	0.100	✓	\$25.00
Nitrate	0.250	✓	\$25.00
Nitrite	0.100	✓	\$25.00
Phosphate	0.500	✓	\$25.00
Sulfate	1.000	✓	\$25.00

**Reporting limits are for clean water matrices. Sample dilution associated with wastewater matrices will increase reporting limits.**