



Accredited Laboratory

A2LA has accredited

TENNESSEE DEPARTMENT OF HEALTH, DIVISION OF LABORATORY SERVICES, ENVIRONMENTAL CHEMISTRY LABORATORY

Nashville, TN

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This laboratory also meets the requirements of the 2009 TNI Environmental Testing Laboratory Accreditation Standard in accordance with the A2LA R206 – Specific Requirements – Environmental Testing Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10th day of September 2018.

A handwritten signature in black ink, appearing to read "L. L. L.", written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3802.01
Valid to July 31, 2020

For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TENNESSEE DEPARTMENT OF HEALTH
 Division of Laboratory Services, Environmental Chemistry
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 Nashville, TN 27243
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ENVIRONMENTAL

Valid To: July 31, 2020

Certificate Number: 3802.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2009 TNI Environmental Testing Laboratory Standard) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies: Atomic Absorption/ICP-AES Spectrometry, ICP/MS, Gravimetry, Ion Chromatography, Microbiology, Misc.- Electronic Probes (pH, O₂, conductivity), Oxygen Demand, Spectrophotometry (Visible), Spectrophotometry (Automated), Titrimetry, Total Organic Carbon, Turbidity, Gamma Spectrometry, Gas Flow Proportional Counting, Liquid Scintillation Counting

<u>Parameter/Analyte</u>	<u>Non-potable Water</u>	<u>Solid Hazardous Waste</u>
<u>Demands</u>		
Total Organic Carbon	SM 5310C	-----
<u>Metals</u>		
Aluminum	EPA 200.8	EPA 200.8
Antimony	EPA 200.8	EPA 200.8
Arsenic	EPA 200.8	EPA 200.8
Barium	EPA 200.8	EPA 200.8
Beryllium	EPA 200.8	EPA 200.8
Boron	EPA 200.7/200.8	EPA 200.7/200.8
Cadmium	EPA 200.8	EPA 200.8
Calcium	EPA 200.7/200.8	EPA 200.7/200.8
Chromium	EPA 200.8	EPA 200.8
Cobalt	EPA 200.8	EPA 200.8
Copper	EPA 200.8	EPA 200.8
Digestion Procedures	EPA 200.2	EPA 3050B
Iron	EPA 200.7/200.8	EPA 200.7/200.8

<u>Parameter/Analyte</u>	<u>Non-potable Water</u>	<u>Solid Hazardous Waste</u>
Lead	EPA 200.8	EPA 200.8
Magnesium	EPA 200.7/200.8	EPA 200.7/200.8
Manganese	EPA 200.8	EPA 200.8
Mercury	EPA 245.1/245.7	EPA 245.5
Molybdenum	EPA 200.8	EPA 200.8
Nickel	EPA 200.8	EPA 200.8
Potassium	EPA 200.7/200.8	EPA 200.7/200.8
Selenium	EPA 200.8	EPA 200.8
Silicon	EPA 200.7	EPA 200.7
Silver	EPA 200.8	EPA 200.8
Sodium	EPA 200.7/200.8	EPA 200.7/200.8
Thallium	EPA 200.8	EPA 200.8
Tin	EPA 200.8	EPA 200.8
Titanium	EPA 200.8	EPA 200.8
Vanadium	EPA 200.8	EPA 200.8
Zinc	EPA 200.8	EPA 200.8
<u>Microbiology</u>		
<i>Escherichia coli</i>	SM 9223B	-----
Total Coliform	SM 9223B	-----
<u>Nutrients</u>		
Ammonia (as N)	EPA 350.1	-----
Kjeldahl Nitrogen	EPA 351.2	-----
Nitrate (as N)	EPA 300.0	-----
Nitrate-Nitrite (as N)	EPA 353.2, rev 2.0	-----
Nitrite (as N)	EPA 300.0	-----
Orthophosphate (as P)	EPA 300.0	-----
Total Phosphorus	EPA 365.1, rev 2.0	-----
<u>Radiochemical Properties</u>		
Air Filter Radionuclides	-----	EPA 901.1
Soil Radionuclides	-----	EPA 901.1
Vegetation Radionuclides	-----	EPA 901.1
<u>Water Radionuclides</u>		
Gamma, Ra-226/228	Georgia Tech Method	-----
Gross Alpha-Gross Beta	Gross Alpha-Gross Beta by LSC	-----
Strontium-89/90	EPA 905.0	-----
Total Uranium	EPA 908.0	-----
Tritium	EPA 906.0	-----
<u>Wet Chemistry</u>		
Chloride	EPA 300.0	-----
Color	SM 2120B	-----
Fluoride	EPA 300.0	-----
Hardness	SM 2340B	-----
pH	SM 4500-H ⁺ B	-----

