

# The State of Wisconsin Department of Natural Resources

has granted

**Accreditation under NR 149**

to

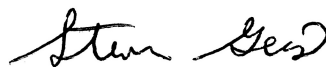
***Badger Laboratories, Inc.***

***FID: 445023150***

The laboratory is accredited to perform environmental sample analysis in support of covered environmental programs per matrix for the combination of analyte and technology or analyte and method as specified in the attached Scopes of Accreditation.

**Printed on: August 16, 2022**

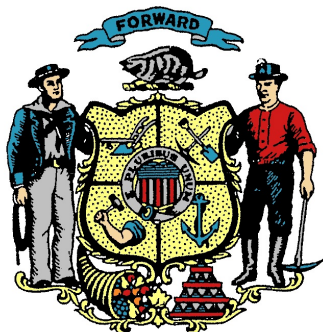
**Expires on: August 31, 2023**



Steven Geis, Chief  
Certification Services



Preston D. Cole Secretary  
Department of Natural Resources



This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control practices, records, and proficiency of the laboratory have been reviewed and found to satisfy the requirements of chapter NR 149, Wisconsin Administrative Code.



# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION  
 Aqueous (Non-potable Water)

**Badger Laboratories, Inc.**  
**501 W Bell Street**  
**Neenah, WI 54956-1392**

**Printed on: 8/16/2022**  
**Expires on: 8/31/2023**

<b>Oxygen Demand Assays (BOD or cBOD)</b>	<b>Biochemical Oxygen Demand (BOD)</b>
	<b>Carbonaceous Biochemical Oxygen Demand (cBOD)</b>
<b>Colorimetric or Turbidimetric</b>	<b>Alkalinity</b>
	<b>Ammonia as N</b>
	<b>Chemical Oxygen Demand (COD)</b>
	<b>Chloride</b>
	<b>Chromium, Hexavalent</b>
	<b>Cyanide, Available</b>
	<b>Cyanide, Total</b>
	<b>Kjeldahl Nitrogen, Total</b>
	<b>Nitrate + Nitrite</b>
	<b>Orthophosphate</b>
	<b>Phenolics, Total</b>
	<b>Phosphorus, Total</b>
	<b>Silica</b>
	<b>Sulfate</b>
	<b>Surfactants</b>
<b>Gravimetric Assays - Residue (solids)</b>	<b>Residue, Filterable (TDS)</b>
	<b>Residue, Nonfilterable (TSS)</b>
	<b>Residue, Total (Total Solids)</b>
	<b>Residue, Volatile (TVS)</b>

This laboratory is accredited under NR 149 to perform environmental sample analysis in support of covered environmental programs for the combination of analyte or analyte group and technology in the aqueous and non-aqueous matrices and analyte or analyte group and method in the drinking water matrix as specified in this Scope of Accreditation.



# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION  
 Aqueous (Non-potable Water)

<b>Gravimetric Assays - Residue (solids)</b>	<b>Residue, Volatile, Nonfilterable (TVSS)</b>
<b>Extraction/Gravimetric Assays - Oil &amp; Grease as HEM</b>	<b>Oil &amp; Grease as HEM</b>
	<b>Oil &amp; Grease as HEM, Silica Gel Treated (SGT)</b>
<b>Ion Chromatography (IC)</b>	<b>Chloride</b>
	<b>Fluoride</b>
	<b>Nitrate</b>
	<b>Nitrate + Nitrite</b>
	<b>Nitrite</b>
	<b>Sulfate</b>
<b>Titrimetric or Potentiometric Titration Assays</b>	<b>Alkalinity</b>
	<b>Sulfide</b>
	<b>Sulfite</b>
<b>Cold Vapor Atomic Absorption Spectrophotometry (CVAA)</b>	<b>Mercury</b>
<b>Inductively Coupled Plasma Emission Spectrophotometry (ICP)</b>	<b>Aluminum</b>
	<b>Antimony</b>
	<b>Arsenic</b>
	<b>Barium</b>
	<b>Beryllium</b>
	<b>Boron</b>
	<b>Cadmium</b>
	<b>Calcium</b>
<b>Chromium, Total</b>	

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
CERTIFICATION  
Aqueous (Non-potable Water)

<b>Inductively Coupled Plasma Emission Spectrophotometry (ICP)</b>	<b>Cobalt</b>
	<b>Copper</b>
	<b>Hardness, Total as CaCO<sub>3</sub></b>
	<b>Iron</b>
	<b>Lead</b>
	<b>Lithium</b>
	<b>Magnesium</b>
	<b>Manganese</b>
	<b>Molybdenum</b>
	<b>Nickel</b>
	<b>Potassium</b>
	<b>Selenium</b>
	<b>Silicon</b>
	<b>Silver</b>
	<b>Sodium</b>
	<b>Strontium</b>
	<b>Thallium</b>
	<b>Tin</b>
<b>Titanium</b>	
<b>Vanadium</b>	
<b>Zinc</b>	
<b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>	<b>Aluminum</b>

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
CERTIFICATION  
Aqueous (Non-potable Water)

<b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>	<b>Antimony</b>
	<b>Arsenic</b>
	<b>Barium</b>
	<b>Beryllium</b>
	<b>Boron</b>
	<b>Cadmium</b>
	<b>Calcium</b>
	<b>Chromium, Total</b>
	<b>Cobalt</b>
	<b>Copper</b>
	<b>Hardness, Total as CaCO<sub>3</sub></b>
	<b>Iron</b>
	<b>Lead</b>
	<b>Magnesium</b>
	<b>Manganese</b>
	<b>Molybdenum</b>
	<b>Nickel</b>
	<b>Potassium</b>
	<b>Selenium</b>
	<b>Silver</b>
<b>Sodium</b>	
<b>Strontium</b>	

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
CERTIFICATION  
Aqueous (Non-potable Water)

<b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>	<b>Thallium</b>
	<b>Tin</b>
	<b>Titanium</b>
	<b>Vanadium</b>
	<b>Zinc</b>

This laboratory is accredited under NR 149 to perform environmental sample analysis in support of covered environmental programs for the combination of analyte or analyte group and technology in the aqueous and non-aqueous matrices and analyte or analyte group and method in the drinking water matrix as specified in this Scope of Accreditation.



# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION  
 Drinking Water (Potable Water)

**Badger Laboratories, Inc.**  
**501 W Bell Street**  
**Neenah, WI 54956-1392**

**Printed on: 8/16/2022**  
**Expires on: 8/31/2023**

<b>Primary Inorganics Contaminants (Non-Metals)</b>	<b>Cyanide - EPA 335.4</b>
	<b>Fluoride - EPA 300.0</b>
	<b>Nitrate - EPA 300.0</b>
	<b>Nitrate - EPA 353.2</b>
	<b>Nitrate + Nitrite - EPA 300.0</b>
	<b>Nitrate + Nitrite - EPA 353.2</b>
	<b>Nitrite - EPA 300.0</b>
	<b>Nitrite - EPA 353.2</b>
<b>Primary Inorganics Contaminants (Metals)</b>	<b>Antimony - EPA 200.8</b>
	<b>Arsenic - EPA 200.8</b>
	<b>Barium - EPA 200.7</b>
	<b>Barium - EPA 200.8</b>
	<b>Beryllium - EPA 200.7</b>
	<b>Beryllium - EPA 200.8</b>
	<b>Cadmium - EPA 200.8</b>
	<b>Chromium - EPA 200.8</b>
	<b>Copper - EPA 200.7</b>
	<b>Copper - EPA 200.8</b>
	<b>Lead - EPA 200.8</b>
	<b>Mercury - EPA 200.8</b>
	<b>Mercury - EPA 245.1</b>

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION  
 Drinking Water (Potable Water)

<b>Primary Inorganics Contaminants (Metals)</b>	<b>Nickel - EPA 200.8</b>
	<b>Selenium - EPA 200.8</b>
	<b>Thallium - EPA 200.8</b>
<b>Secondary Inorganic Contaminants (Non-Metals)</b>	<b>Alkalinity - SM 2320B</b>
	<b>Chloride - EPA 300.0</b>
	<b>Orthophosphate - SM 4500-P E</b>
	<b>pH - SM 4500-H+ B</b>
	<b>Sulfate - EPA 300.0</b>
	<b>TDS (Total Dissolved Solids) - SM 2540C</b>
<b>Secondary Inorganic Contaminants (Metals)</b>	<b>Aluminum - EPA 200.7</b>
	<b>Aluminum - EPA 200.8</b>
	<b>Calcium - EPA 200.7</b>
	<b>Iron - EPA 200.7</b>
	<b>Magnesium - EPA 200.7</b>
	<b>Manganese - EPA 200.7</b>
	<b>Manganese - EPA 200.8</b>
	<b>Silver - EPA 200.7</b>
	<b>Silver - EPA 200.8</b>
	<b>Sodium - EPA 200.7</b>
	<b>Zinc - EPA 200.7</b>
<b>Zinc - EPA 200.8</b>	

This laboratory is accredited under NR 149 to perform environmental sample analysis in support of covered environmental programs for the combination of analyte or analyte group and technology in the aqueous and non-aqueous matrices and analyte or analyte group and method in the drinking water matrix as specified in this Scope of Accreditation.





# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION

Non-Aqueous (Biosolids, Leachates, Soils, Tissues, & Wastes)

**Badger Laboratories, Inc.**  
 501 W Bell Street  
 Neenah, WI 54956-1392

**Printed on: 8/16/2022**  
**Expires on: 8/31/2023**

Colorimetric or Turbidimetric	Ammonia as N
	Chloride
	Cyanide, Available
	Cyanide, Total
	Kjeldahl Nitrogen, Total
	Nitrate + Nitrite
	Orthophosphate
	Phenolics, Total
	Phosphorus, Total
	Sulfate
Gravimetric Assays - Residue (solids)	Residue, Total
Ion Chromatography (IC)	Chloride
	Fluoride
	Nitrate
	Nitrate + Nitrite
	Nitrite
	Sulfate
Titrimetric or Potentiometric Titration Assays	Sulfide
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Aluminum
	Antimony

This laboratory is accredited under NR 149 to perform environmental sample analysis in support of covered environmental programs for the combination of analyte or analyte group and technology in the aqueous and non-aqueous matrices and analyte or analyte group and method in the drinking water matrix as specified in this Scope of Accreditation.



# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
CERTIFICATION

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Non-Aqueous (Biosolids, Leachates, Soils, Tissues, & Wastes)

**Inductively Coupled Plasma Emission Spectrophotometry (ICP)**

<b>Arsenic</b>
<b>Barium</b>
<b>Beryllium</b>
<b>Boron</b>
<b>Cadmium</b>
<b>Calcium</b>
<b>Chromium, Total</b>
<b>Cobalt</b>
<b>Copper</b>
<b>Iron</b>
<b>Lead</b>
<b>Lithium</b>
<b>Magnesium</b>
<b>Manganese</b>
<b>Molybdenum</b>
<b>Nickel</b>
<b>Potassium</b>
<b>Selenium</b>
<b>Silicon</b>
<b>Silver</b>
<b>Sodium</b>
<b>Strontium</b>

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
CERTIFICATION

Non-Aqueous (Biosolids, Leachates, Soils, Tissues, & Wastes)

<b>Inductively Coupled Plasma Emission Spectrophotometry (ICP)</b>	<b>Thallium</b>
	<b>Tin</b>
	<b>Titanium</b>
	<b>Vanadium</b>
	<b>Zinc</b>
<b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>	<b>Aluminum</b>
	<b>Antimony</b>
	<b>Arsenic</b>
	<b>Barium</b>
	<b>Beryllium</b>
	<b>Boron</b>
	<b>Cadmium</b>
	<b>Calcium</b>
	<b>Chromium, Total</b>
	<b>Cobalt</b>
	<b>Copper</b>
	<b>Iron</b>
	<b>Lead</b>
	<b>Magnesium</b>
	<b>Manganese</b>
	<b>Molybdenum</b>
<b>Nickel</b>	

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# Wisconsin Scope of Accreditation

Laboratory FID: 445023150  
 CERTIFICATION

Non-Aqueous (Biosolids, Leachates, Soils, Tissues, & Wastes)

<b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>	<b>Potassium</b>
	<b>Selenium</b>
	<b>Silver</b>
	<b>Sodium</b>
	<b>Strontium</b>
	<b>Thallium</b>
	<b>Titanium</b>
	<b>Vanadium</b>
	<b>Zinc</b>
<b>Solid Waste Leaching Procedures</b>	<b>Reagent Water Shake Extraction (ASTM Leach)</b>
	<b>SPLP Extraction</b>
<b>Hazardous Waste Characteristics</b>	<b>Corrosivity, Liquids</b>
	<b>Ignitability (Flashpoint), Pensky-Martens Closed Cup</b>
	<b>Paint Filter Liquids Test</b>
	<b>TCLP Extraction</b>

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