

The State of Wisconsin Department of Natural Resources

has granted

Accreditation under NR 149

to

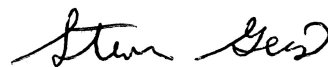
Badger Laboratories, Inc.

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 18, 2021

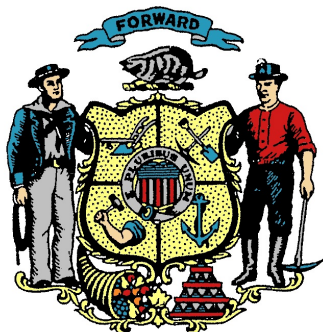
Expires on: August 31, 2022



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: 8/18/2021
Expires on: 8/31/2022

Oxygen Demand Assays (BOD or cBOD)	Biochemical Oxygen Demand (BOD)
	Carbonaceous Biochemical Oxygen Demand (cBOD)
Colorimetric or Turbidimetric	Alkalinity
	Ammonia as N
	Chemical Oxygen Demand (COD)
	Chloride
	Cyanide, Available
	Cyanide, Total
	Kjeldahl Nitrogen, Total
	Nitrate + Nitrite
	Orthophosphate
	Phenolics, Total
	Phosphorus, Total
	Silica
	Sulfate
	Surfactants
Chromium, Hexavalent	
Gravimetric Assays - Residue (solids)	Residue, Filterable (TDS)
	Residue, Nonfilterable (TSS)
	Residue, Total (Total Solids)
	Residue, Volatile (TVS)
	Residue, Volatile, Nonfilterable (TVSS)
Extraction/Gravimetric Assays - Oil & Grease as HEM	Oil & Grease as HEM
	Oil & Grease as HEM, Silica Gel Treated (SGT)
Ion Chromatography (IC)	Chloride
	Fluoride
	Nitrate
	Nitrate + Nitrite
	Nitrite
	Sulfate

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)

Titrimetric or Potentiometric Titration Assays	Acidity as CaCO ₃
	Alkalinity
	Sulfide
	Sulfite
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Hardness, Total as CaCO ₃
	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Thallium
	Tin
Titanium	
Vanadium	
Zinc	

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Wisconsin Scope of Accreditation

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

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Hardness, Total as CaCO ₃
	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silver
	Sodium
	Strontium
	Thallium
	Tin
	Titanium
Vanadium	
Zinc	

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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: 8/18/2021
Expires on: 8/31/2022

Primary Inorganics Contaminants (Non-Metals)	Cyanide - EPA 335.4
	Fluoride - EPA 300.0
	Nitrate + Nitrite - EPA 300.0
	Nitrate + Nitrite - EPA 353.2
	Nitrate - EPA 300.0
	Nitrate - EPA 353.2
	Nitrite - EPA 300.0
	Nitrite - EPA 353.2
Primary Inorganics Contaminants (Metals)	Antimony - EPA 200.8
	Arsenic - EPA 200.8
	Barium - EPA 200.7
	Barium - EPA 200.8
	Beryllium - EPA 200.7
	Beryllium - EPA 200.8
	Cadmium - EPA 200.8
	Chromium - EPA 200.8
	Copper - EPA 200.7
	Copper - EPA 200.8
	Lead - EPA 200.8
	Mercury - EPA 200.8
	Mercury - EPA 245.1
	Nickel - EPA 200.8
	Selenium - EPA 200.8
	Thallium - EPA 200.8
Secondary Inorganic Contaminants (Non-Metals)	Alkalinity - SM 2320B
	Chloride - EPA 300.0
	Orthophosphate - SM 4500-P E
	Sulfate - EPA 300.0
	TDS (Total Dissolved Solids) - SM 2540C
	pH - SM 4500-H+ B

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150
CERTIFICATION
Drinking Water (Potable Water)

Secondary Inorganic Contaminants (Metals)	
	Aluminum - EPA 200.7
	Aluminum - EPA 200.8
	Calcium - EPA 200.7
	Iron - EPA 200.7
	Magnesium - EPA 200.7
	Manganese - EPA 200.7
	Manganese - EPA 200.8
	Silver - EPA 200.7
	Silver - EPA 200.8
	Sodium - EPA 200.7
	Zinc - EPA 200.7
	Zinc - EPA 200.8

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150

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CERTIFICATION

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

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

Printed on: 8/18/2021
Expires on: 8/31/2022

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)
Ion Chromatography (IC)	Chloride
	Fluoride
	Nitrate
	Nitrate + Nitrite
	Nitrite
	Sulfate
Titrimetric or Potentiometric Titration Assays	Sulfide
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150

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CERTIFICATION

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

Inductively Coupled Plasma Emission Spectrophotometry (ICP)	
	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Thallium
	Tin
	Titanium
	Vanadium
	Zinc

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150

CERTIFICATION

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

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silver
	Sodium
Strontium	
Thallium	
Titanium	
Vanadium	
Zinc	
Solid Waste Leaching Procedures	Reagent Water Shake Extraction (ASTM Leach)
	SPLP Extraction
Hazardous Waste Characteristics	Corrosivity, Liquids
	Ignitability (Flashpoint), Pensky-Martens Closed Cup
	Paint Filter Liquids Test
	TCLP Extraction

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