

The State of Wisconsin Department of Natural Resources

has granted

Accreditation under NR 149

to

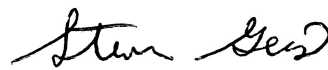
Badger Laboratories, Inc.

FID: 445023150

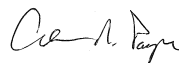
The laboratory is accredited to perform environmental sample analysis in support of covered environmental programs per matrix for the combination of analyte and technology or analyte and method as specified in the attached Scopes of Accreditation.

Printed on: August 14, 2023

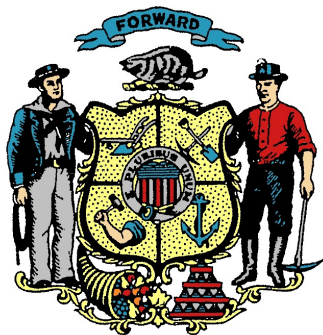
Expires on: August 31, 2024



Steven Geis, Chief
Certification Services



Adam N. Payne
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: 8/14/2023
Expires on: 8/31/2024

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
	Chromium, Hexavalent
	Cyanide, Available
	Cyanide, Total
	Kjeldahl Nitrogen, Total
	Nitrate + Nitrite
	Orthophosphate
	Phenolics, Total
	Phosphorus, Total
	Silica
	Sulfate
Surfactants	
Gravimetric Assays - Residue (solids)	Residue, Filterable (TDS)
	Residue, Nonfilterable (TSS)
	Residue, Total (Total Solids)
	Residue, Volatile (TVS)

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)

Gravimetric Assays - Residue (solids)	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
Titrimetric or Potentiometric Titration Assays	Alkalinity
	Sulfide
	Sulfite
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
Chromium, Total	

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Wisconsin Scope of Accreditation

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

Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Cobalt
	Copper
	Hardness, Total as CaCO₃
	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Thallium
	Tin
	Titanium
Vanadium	
Zinc	
Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Aluminum

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Wisconsin Scope of Accreditation

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

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Hardness, Total as CaCO₃
	Iron
	Lead
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silver
Sodium	
Strontium	

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Wisconsin Scope of Accreditation

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

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

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: 8/14/2023
Expires on: 8/31/2024

Primary Inorganics Contaminants (Non-Metals)	Cyanide - EPA 335.4
	Fluoride - EPA 300.0
	Nitrate - EPA 300.0
	Nitrate - EPA 353.2
	Nitrate + Nitrite - EPA 300.0
	Nitrate + Nitrite - 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

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150
 CERTIFICATION
 Drinking Water (Potable Water)

Primary Inorganics Contaminants (Metals)	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
	pH - SM 4500-H+ B
	Sulfate - EPA 300.0
	TDS (Total Dissolved Solids) - SM 2540C
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
 CERTIFICATION

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

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

Printed on: 8/14/2023
Expires on: 8/31/2024

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
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Aluminum
	Antimony

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Wisconsin Scope of Accreditation

Laboratory FID: 445023150
CERTIFICATION

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

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

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Laboratory FID: 445023150
CERTIFICATION

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

Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Thallium
	Tin
	Titanium
	Vanadium
	Zinc
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	

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Laboratory FID: 445023150
 CERTIFICATION

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

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	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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