

The State of Wisconsin Department of Natural Resources

has granted

Accreditation under NR 149

to

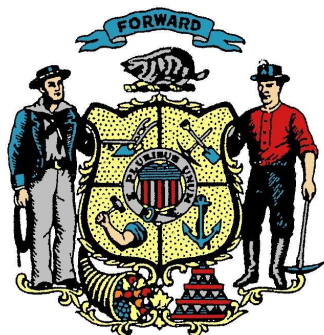
Northern Lake Service Inc. (Crandon)

FID: 721026460

The laboratory is accredited to perform environmental sample analysis 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 27, 2021

Expires on: August 31, 2022



A handwritten signature in black ink, appearing to read "Steven Geis".

Steven Geis, Chief
Certification Services

A handwritten signature in black ink, appearing to read "Preston D. Cole".

Preston D. Cole Secretary
Department of Natural Resources





Wisconsin Scope of Accreditation

Laboratory FID: 721026460
 CERTIFICATION
 Aqueous (Non-potable Water)

Northern Lake Service Inc. (Crandon)
400 North Lake Ave
Crandon, WI 54520-1286

Printed on: 12/17/2021
Expires on: 8/31/2022

Oxygen Demand Assays (BOD or cBOD)	Biochemical Oxygen Demand (BOD)
	Carbonaceous Biochemical Oxygen Demand (cBOD)
Colorimetric or Turbidimetric	Ammonia as N
	Chlorophyll
	Chromium, Hexavalent
	Cyanide, Available
	Cyanide, Total
	Kjeldahl Nitrogen, Total
	Nitrate
	Nitrate + Nitrite
	Orthophosphate
	Phenolics, Total
	Phosphorus, Total
	Nondispersive Infrared (NDIR) or Microcoulometry
Electrometric Assays (ISE)	Ammonia as N
	pH
	Specific Conductance
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

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

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Ion Chromatography (IC)	Nitrite
	Sulfate
Titrimetric or Potentiometric Titration Assays	Alkalinity
	Chemical Oxygen Demand (COD)
	Sulfide
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Hardness, Total as CaCO₃
	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Potassium
	Selenium
	Silver
	Sodium
Strontium	

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Laboratory FID: 721026460
 CERTIFICATION
 Aqueous (Non-potable Water)

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

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 Aqueous (Non-potable Water)

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Vanadium	
	Zinc	
Gas Chromatography (GC)	## PCB as AROCLORS (group)	
	## PESTICIDES, ORGANOCHLORINE (group)	
Gas Chromatography-Mass Spectrometry (GC/MS)	## BNA - SEMIVOLATILE ORGANICS (group)	
	## PAH (group)	
	## VOC - VOLATILE ORGANICS (group)	
	Alachlor	
	Atrazine	
	Butylate	
	Chlorpyrifos	
	Cyanazine	
	Deethylatrazine	
	Deisopropylatrazine	
	Dimethoate	
	Disulfoton	
	EPTC (Eptam)	
	Fonofos	
	Metolachlor	
	Metribuzin	
	Parathion (Parathion Ethyl)	
	Parathion Methyl	
	Phorate	
	Prometon	
	Propachlor	
	Propazine	
	Simazine	
	Terbufos	
	Trifluralin	
	Liquid Chromatography-Mass Spectrometry (LC/MS)	## PFAS (group)

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CERTIFICATION
Aqueous (Non-potable Water)

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Cold Vapor Atomic Fluorescence Spectrophotometry (CVAFS)	Mercury, Low Level
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Wisconsin Scope of Accreditation

Laboratory FID: 721026460
 CERTIFICATION
 Drinking Water (Potable Water)

Northern Lake Service Inc. (Crandon)
400 North Lake Ave
Crandon, WI 54520-1286

Printed on: 12/17/2021
Expires on: 8/31/2022

Disinfection By-products	## HALOACETIC ACIDS (5) - EPA 552.3
	## THM (group) - EPA 524.2
Primary Inorganics Contaminants (Non-Metals)	Cyanide - SM 4500-CN C, E
	Fluoride - EPA 300.0
	Nitrate - EPA 300.0
	Nitrate - SM 4500-NO3 F
	Nitrate + Nitrite - EPA 300.0
	Nitrate + Nitrite - SM 4500-NO3 F
	Nitrite - EPA 300.0
	Nitrite - EPA 300.0
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 200.7
	Cadmium - EPA 200.8
	Chromium - EPA 200.7
	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 200.7
	Nickel - EPA 200.8
	Selenium - EPA 200.8
	Thallium - EPA 200.8

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 Drinking Water (Potable Water)

Secondary Inorganic Contaminants (Non-Metals)	Alkalinity - SM 2320B
	Chloride - EPA 300.0
	Orthophosphate - SM 4500-P E
	Sulfate - EPA 300.0
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
SOC - Organochlorine Pesticides	Aldrin - EPA 525.2
	Chlordane - EPA 505
	Dieldrin - EPA 525.2
	Heptachlor - EPA 525.2
	Heptachlor epoxide - EPA 525.2
	Lindane (gamma-BHC) - EPA 525.2
	Methoxychlor - EPA 525.2
	Toxaphene - EPA 505
SOC - N/P Pesticides	Alachlor - EPA 525.2
	Atrazine - EPA 525.2
	Butachlor - EPA 525.2
	Metolachlor - EPA 525.2
	Metribuzin - EPA 525.2
	Propachlor - EPA 525.2
	Simazine - EPA 525.2

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SOC - Miscellaneous	## PFAS (group) – EPA 537.1 (18)
	3-Hydroxycarbofuran - EPA 531.1
	Aldicarb - EPA 531.1
	Aldicarb Sulfone - EPA 531.1
	Aldicarb Sulfoxide - EPA 531.1
	Benzo[a]pyrene - EPA 525.2
	Carbaryl - EPA 531.1
	Carbofuran - EPA 531.1
	Di(2-ethylhexyl)adipate - EPA 525.2
	Di(2-ethylhexyl)phthalate - EPA 525.2
	Dibromochloropropane (DBCP) - EPA 504.1
	Diquat - EPA 549.2
	Endothall - EPA 548.1
	Ethylene Dibromide (EDB) - EPA 504.1
	Glyphosate - EPA 547
	Hexachlorobenzene - EPA 525.2
	Hexachlorocyclopentadiene - EPA 525.2
	Methomyl - EPA 531.1
	Oxamyl (Vydate) - EPA 531.1
	PCBs (as Aroclors) Screening - EPA 505
Volatile Organic Compounds (VOC)	## VOCS, REGULATED (group) - EPA 524.2
	## VOCS, UNREGULATED (group) - EPA 524.2

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

Northern Lake Service Inc. (Crandon)
400 North Lake Ave
Crandon, WI 54520-1286

Printed on: 12/17/2021
Expires on: 8/31/2022

Colorimetric or Turbidimetric	Ammonia as N
	Cyanide, Total
	Kjeldahl Nitrogen, Total
	Nitrate
	Nitrate + Nitrite
	Orthophosphate
	Phenolics, Total
	Phosphorus, Total
Gravimetric Assays - Residue (solids)	Residue, Total
Ion Chromatography (IC)	Chloride
	Sulfate
Titrimetric or Potentiometric Titration Assays	Chemical Oxygen Demand (COD)
	Sulfide
Cold Vapor Atomic Absorption Spectrophotometry (CVAA)	Mercury
Inductively Coupled Plasma Emission Spectrophotometry (ICP)	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Boron
	Cadmium
	Calcium
	Chromium, Total
	Cobalt
	Copper
	Iron
	Lead
	Lithium

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

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

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

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)	Potassium
	Selenium
	Silver
	Sodium
	Strontium
	Thallium
	Tin
	Titanium
	Vanadium
	Zinc
	Gas Chromatography (GC)
	## PESTICIDES, ORGANOCHLORINE (group)
Gas Chromatography-Mass Spectrometry (GC/MS)	## BNA - SEMIVOLATILE ORGANICS (group)
	## PAH (group)
	## VOC - VOLATILE ORGANICS (group)
	Alachlor
	Atrazine
	Butylate
	Chlorpyrifos
	Cyanazine
	Deethylatrazine
	Deisopropylatrazine
	Dimethoate
	Disulfoton
	EPTC (Eptam)
	Fonofos
	Metolachlor
	Metribuzin
	Parathion (Parathion Ethyl)
	Parathion Methyl
	Phorate

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

Gas Chromatography-Mass Spectrometry (GC/MS)	Prometon
	Propachlor
	Propazine
	Simazine
	Terbufos
	Trifluralin
Liquid Chromatography-Mass Spectrometry (LC/MS)	## PFAS (group)
Solid Waste Leaching Procedures	Reagent Water Shake Extraction (ASTM Leach)
	SPLP Extraction
Hazardous Waste Characteristics	Corrosivity, Liquids
	TCLP Extraction

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