



# Wisconsin Scope of Accreditation

Laboratory FID: 113133790  
CERTIFICATION  
Aqueous (Non-potable Water)

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**Wisconsin State Laboratory of Hygiene**  
**2601 Agriculture Dr**  
**Madison, WI 53718**

**Printed on: 8/19/2026**  
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|                                                  |                                               |
|--------------------------------------------------|-----------------------------------------------|
| Oxygen Demand Assays (BOD or cBOD)               | Biochemical Oxygen Demand (BOD)               |
|                                                  | Carbonaceous Biochemical Oxygen Demand (cBOD) |
| Colorimetric or Turbidimetric                    | Ammonia as N                                  |
|                                                  | Chemical Oxygen Demand (COD)                  |
|                                                  | Chloride                                      |
|                                                  | Cyanide, Available                            |
|                                                  | Cyanide, Total                                |
|                                                  | Kjeldahl Nitrogen, Total                      |
|                                                  | Nitrate                                       |
|                                                  | Nitrate + Nitrite                             |
|                                                  | Nitrite                                       |
|                                                  | Orthophosphate                                |
|                                                  | Phosphorus, Total                             |
|                                                  | Silica                                        |
|                                                  | Sulfate                                       |
| Nondispersive Infrared (NDIR) or Microcoulometry | Organic Carbon, Total (TOC)                   |
| Electrometric Assays (ISE)                       | pH                                            |
| 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.



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|-------------------------------------------------------------|-----------------------------------------|
| Gravimetric Assays - Residue (solids)                       | Residue, Volatile, Nonfilterable (TVSS) |
| Extraction/Gravimetric Assays - Oil & Grease as HEM         | Oil & Grease as HEM                     |
| Ion Chromatography (IC)                                     | Chloride                                |
|                                                             | Nitrate                                 |
|                                                             | Sulfate                                 |
| Titrimetric or Potentiometric Titration Assays              | Alkalinity                              |
| 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 CaCO <sub>3</sub>    |
|                                                             | Iron                                    |
|                                                             | Lead                                    |
|                                                             | Magnesium                               |

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|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| <b>Inductively Coupled Plasma Emission Spectrophotometry (ICP)</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>       |
|                                                                    | <b>Thallium</b>        |
|                                                                    | <b>Vanadium</b>        |
|                                                                    | <b>Zinc</b>            |
| <b>Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)</b>       | <b>Arsenic</b>         |
|                                                                    | <b>Beryllium</b>       |
|                                                                    | <b>Cadmium</b>         |
|                                                                    | <b>Chromium, Total</b> |
|                                                                    | <b>Copper</b>          |
|                                                                    | <b>Lead</b>            |
|                                                                    | <b>Manganese</b>       |
|                                                                    | <b>Molybdenum</b>      |
|                                                                    | <b>Nickel</b>          |
|                                                                    | <b>Selenium</b>        |
|                                                                    | <b>Thallium</b>        |

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|                                                          |                                              |
|----------------------------------------------------------|----------------------------------------------|
| Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)    | Zinc                                         |
| Gas Chromatography (GC)                                  | Ethylene Glycol                              |
|                                                          | Propylene Glycol                             |
| Gas Chromatography-Mass Spectrometry (GC/MS)             | ## PAH (group)                               |
|                                                          | ## VOC - VOLATILE ORGANICS (group)           |
| Liquid Chromatography-Mass Spectrometry (LC/MS)          | ## PFAS (group)                              |
| Whole Effluent Toxicity Assays                           | Acute Toxicity - Ceriodaphnia dubia          |
|                                                          | Acute Toxicity - Pimephales promelas         |
|                                                          | Chronic Toxicity - Ceriodaphnia dubia        |
|                                                          | Chronic Toxicity - Pimephales promelas       |
|                                                          | Chronic Toxicity - Selenastrum capricornutum |
| Cold Vapor Atomic Fluorescence Spectrophotometry (CVAFS) | Mercury, Low Level                           |

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# Wisconsin Scope of Accreditation

Laboratory FID: 113133790  
RECIPROCITY  
Drinking Water (Potable Water)

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|                                               |                                        |
|-----------------------------------------------|----------------------------------------|
| Disinfection By-products                      | ## HALOACETIC ACIDS (5) - EPA 552.3    |
|                                               | ## THM (group) - EPA 524.3             |
| Primary Inorganics Contaminants (Non-Metals)  | Cyanide - SM 4500-CN C, E              |
|                                               | Fluoride - Lachat 10-109-12-2-A (2009) |
|                                               | Nitrate - EPA 353.2                    |
|                                               | Nitrate + Nitrite - EPA 353.2          |
|                                               | Nitrite - EPA 353.2                    |
| Primary Inorganics Contaminants (Metals)      | Antimony - SM 3113B                    |
|                                               | Arsenic - SM 3113B                     |
|                                               | Barium - EPA 200.7                     |
|                                               | Beryllium - EPA 200.7                  |
|                                               | Cadmium - SM 3113B                     |
|                                               | Chromium - SM 3113B                    |
|                                               | Copper - EPA 200.7                     |
|                                               | Lead - SM 3113B                        |
|                                               | Mercury - EPA 245.1                    |
|                                               | Nickel - EPA 200.7                     |
|                                               | Selenium - SM 3113B                    |
|                                               | Thallium - EPA 200.9                   |
| Secondary Inorganic Contaminants (Non-Metals) | Alkalinity - SM 2320B                  |
|                                               | Orthophosphate - EPA 365.1             |

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| Secondary Inorganic Contaminants (Non-Metals) | Sulfate - EPA 375.2                     |
|                                               | TDS (Total Dissolved Solids) - SM 2540C |
| Secondary Inorganic Contaminants (Metals)     | Aluminum - EPA 200.7                    |
|                                               | Calcium - EPA 200.7                     |
|                                               | Iron - EPA 200.7                        |
|                                               | Magnesium - EPA 200.7                   |
|                                               | Manganese - EPA 200.7                   |
|                                               | Silver - SM 3113B                       |
|                                               | Sodium - EPA 200.7                      |
|                                               | Zinc - EPA 200.7                        |

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| SOC - Miscellaneous              | ## PFAS (group) – EPA 537.1 (18)         |
| Volatile Organic Compounds (VOC) | ## VOCS, REGULATED (group) - EPA 524.3   |
|                                  | ## VOCS, UNREGULATED (group) - EPA 524.3 |

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CERTIFICATION

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

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|                                                             |                             |
|-------------------------------------------------------------|-----------------------------|
| Colorimetric or Turbidimetric                               | Ammonia as N                |
|                                                             | Chloride                    |
|                                                             | Cyanide, Total              |
|                                                             | Kjeldahl Nitrogen, Total    |
|                                                             | Nitrate + Nitrite           |
|                                                             | Phosphorus, Total           |
| Nondispersive Infrared (NDIR) or Microcoulometry            | Organic Carbon, Total (TOC) |
| Electrometric Assays (ISE)                                  | pH                          |
| Gravimetric Assays - Residue (solids)                       | Residue, Total              |
| 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                      |

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

|                                                             |                                                      |
|-------------------------------------------------------------|------------------------------------------------------|
| Inductively Coupled Plasma Emission Spectrophotometry (ICP) | Iron                                                 |
|                                                             | Lead                                                 |
|                                                             | Magnesium                                            |
|                                                             | Manganese                                            |
|                                                             | Molybdenum                                           |
|                                                             | Nickel                                               |
|                                                             | Phosphorus, Total                                    |
|                                                             | Potassium                                            |
|                                                             | Selenium                                             |
|                                                             | Silver                                               |
|                                                             | Sodium                                               |
|                                                             | Thallium                                             |
|                                                             | Vanadium                                             |
| Gas Chromatography (GC)                                     | Zinc                                                 |
|                                                             | ## PCB as AROCLORS (group)                           |
|                                                             | Ethylene Glycol                                      |
| Gas Chromatography-Mass Spectrometry (GC/MS)                | Propylene Glycol                                     |
|                                                             | ## PAH (group)                                       |
| Liquid Chromatography-Mass Spectrometry (LC/MS)             | ## VOC - VOLATILE ORGANICS (group)                   |
|                                                             | ## PFAS (group)                                      |
| Hazardous Waste Characteristics                             | Corrosivity, Liquids                                 |
|                                                             | Ignitability (Flashpoint), Pensky-Martens Closed Cup |

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|                                                          |                                                 |
|----------------------------------------------------------|-------------------------------------------------|
| Hazardous Waste Characteristics                          | Ignitability (Flashpoint), Setaflash Closed Cup |
|                                                          | Paint Filter Liquids Test                       |
|                                                          | TCLP Extraction                                 |
| Cold Vapor Atomic Fluorescence Spectrophotometry (CVAFS) | Mercury                                         |

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