

Scope of Accreditation

Wisconsin State Laboratory of Hygiene
2601 Agriculture Dr
Madison, WI 53707-7996

Laboratory Id: 113133790
Expiration Date: 08/31/10
Issued Date: 08/12/09

Wisconsin Certification under NR 149 Matrix: Aqueous (Non-potable Water)

<p>Class: General Chemistry</p> <p>Alkalinity <i>by Titration</i></p> <p>Ammonia as N <i>by Colorimetric</i></p> <p>Biochemical Oxygen Demand (BOD) <i>by BOD</i></p> <p>Carbonaceous Oxygen Demand (cBOD) <i>by BOD</i></p> <p>Chemical Oxygen Demand (COD) <i>by Colorimetric</i></p> <p>Chloride <i>by Colorimetric</i></p> <p>Chloride <i>by IC</i></p> <p>Cyanide, Amenable <i>by Colorimetric</i></p> <p>Cyanide, Total <i>by Colorimetric</i></p> <p>Fluoride <i>by ISE</i></p> <p>Hardness, Total as CaCO₃ <i>by ICP</i></p> <p>Kjeldahl Nitrogen, Total <i>by Colorimetric</i></p> <p>Nitrate <i>by Colorimetric</i></p> <p>Nitrate <i>by IC</i></p> <p>Nitrate + Nitrite <i>by Colorimetric</i></p> <p>Nitrite <i>by Colorimetric</i></p> <p>Oil&Grease, Hexane Ext. Material <i>by HEM</i></p> <p>Organic Carbon, Total (TOC) <i>by Comb-Ox</i></p> <p>Orthophosphate <i>by Colorimetric</i></p> <p>Phosphorus, Total <i>by Colorimetric</i></p> <p>Residue, Filterable (TDS) <i>by Solids</i></p> <p>Residue, Nonfilterable (TSS) <i>by Solids</i></p> <p>Residue, Total <i>by Solids</i></p> <p>Residue, Volatile (TVS) <i>by Solids</i></p> <p>Residue, Volatile, Nonfilterable (TVSS) <i>by Solids</i></p> <p>Silica <i>by Colorimetric</i></p> <p>Sulfate <i>by Colorimetric</i></p> <p>Sulfate <i>by IC</i></p> <p>Sulfide <i>by ISE</i></p> <p>Sulfite <i>by Titration</i></p>	<p>Class: Metals</p> <p>Cobalt <i>by ICP</i></p> <p>Copper <i>by ICP</i></p> <p>Iron <i>by ICP</i></p> <p>Lead <i>by GFAA</i></p> <p>Lead <i>by ICP</i></p> <p>Magnesium <i>by ICP</i></p> <p>Manganese <i>by ICP</i></p> <p>Mercury <i>by Hyd-CVAA</i></p> <p>Mercury <i>by UltraLow</i></p> <p>Molybdenum <i>by ICP</i></p> <p>Nickel <i>by ICP</i></p> <p>Potassium <i>by ICP</i></p> <p>Selenium <i>by GFAA</i></p> <p>Selenium <i>by ICP</i></p> <p>Silver <i>by GFAA</i></p> <p>Silver <i>by ICP</i></p> <p>Sodium <i>by ICP</i></p> <p>Thallium <i>by GFAA</i></p> <p>Thallium <i>by ICP</i></p> <p>Vanadium <i>by ICP</i></p> <p>Zinc <i>by ICP</i></p>
	<p>Class: Volatile Organics</p> <p>* VOC ANALYTE GROUP <i>by GC/MS</i></p> <p>Ethylene Glycol <i>by GC</i></p> <p>Propylene Glycol <i>by GC</i></p>
	<p>Class: Toxicity, Acute</p> <p>Acute Tox - Ceriodaphnia dubia <i>by WET</i></p> <p>Acute Tox - Pimephales promelas <i>by WET</i></p>
<p>Class: Metals</p> <p>Aluminum <i>by ICP</i></p> <p>Antimony <i>by GFAA</i></p> <p>Antimony <i>by ICP</i></p> <p>Arsenic <i>by GFAA</i></p> <p>Arsenic <i>by ICP</i></p> <p>Barium <i>by ICP</i></p> <p>Beryllium <i>by ICP</i></p> <p>Boron <i>by ICP</i></p> <p>Cadmium <i>by GFAA</i></p> <p>Cadmium <i>by ICP</i></p> <p>Calcium <i>by ICP</i></p> <p>Chromium (Hexavalent) <i>by Colorimetric</i></p> <p>Chromium (Total) <i>by GFAA</i></p> <p>Chromium (Total) <i>by ICP</i></p>	<p>Class: Toxicity, Chronic</p> <p>Chronic Tox - Ceriodaphnia dubia <i>by WET</i></p> <p>Chronic Tox - Pimephales promelas <i>by WET</i></p> <p>Chronic Tox - Selanastrum capricornutum <i>by WET</i></p>

The laboratory named above is hereby licensed under ch. NR 149, Wis. Adm. Code for the parameters listed in this attachment.
 * Analyte groups are defined and listed on the WI DNR Lab Certification website. See <http://dnr.wi.gov/org/es/science/lc/> for details.

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Wisconsin Certification under NR 149
Matrix: Potable Water (Drinking Water)

Class: SDWA - Secondary Non-metals Sulfate - EPA 375.2
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Class: SDWA - Secondary Metals Sodium - EPA 200.7

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Wisconsin Certification under NR 149 Matrix: Solid (Waste, Soil & Tissue)

<p>Class: General Chemistry Ammonia as N <i>by Colorimetric</i> Chloride <i>by Colorimetric</i> Cyanide, Total <i>by Colorimetric</i> Kjeldahl Nitrogen, Total <i>by Colorimetric</i> Nitrate + Nitrite <i>by Colorimetric</i> Organic Carbon, Total (TOC) <i>by Comb-Ox</i> Phosphorus, Total <i>by Colorimetric</i> Phosphorus, Total <i>by ICP</i> Residue, Total <i>by Solids</i></p>	<p>Class: Waste Characterization Extractions EPTOX Extraction <i>by Waste Extractions</i> TCLP Extraction <i>by Waste Extractions</i></p>
<p>Class: Metals Aluminum <i>by ICP</i> Antimony <i>by ICP</i> Arsenic <i>by ICP</i> Barium <i>by ICP</i> Beryllium <i>by ICP</i> Boron <i>by ICP</i> Cadmium <i>by ICP</i> Calcium <i>by ICP</i> Chromium (Total) <i>by ICP</i> Cobalt <i>by ICP</i> Copper <i>by ICP</i> Iron <i>by ICP</i> Lead <i>by ICP</i> Magnesium <i>by ICP</i> Manganese <i>by ICP</i> Mercury <i>by Hyd-CVAA</i> Mercury <i>by UltraLow</i> Molybdenum <i>by ICP</i> Nickel <i>by ICP</i> Potassium <i>by ICP</i> Selenium <i>by ICP</i> Silver <i>by ICP</i> Sodium <i>by ICP</i> Thallium <i>by ICP</i> Vanadium <i>by ICP</i> Zinc <i>by ICP</i></p>	<p>Class: Waste Characterization Assays Ignitability, Pensky-Martens Closed Cup <i>by Waste Assays</i> Waste Analysis, Other <i>by Waste Assays</i></p>
<p>Class: PCBs as Aroclors * PCB as AROCLORS ANALYTE GROUP <i>by GC</i></p>	
<p>Class: Volatile Organics * VOC ANALYTE GROUP <i>by GC/MS</i> Ethylene Glycol <i>by GC</i> Propylene Glycol <i>by GC</i></p>	

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Wisconsin Reciprocal Certification with EPA Region 5 Matrix: Potable Water (Drinking Water)

Class: SDWA - Disinfection Byproducts * HALOACETIC ACIDS ANALYTE GROUP - EPA 552.2
Class: SDWA - Primary Non-metals Cyanide - Std Methods 4500-CN- C,E (18,19, or 20) Fluoride - Technicon 380-75WE Nitrate + Nitrite - EPA 353.2 Nitrate - EPA 353.2 Nitrite - Std Methods 4500-NO2- B (18,19, or 20)
Class: SDWA - Primary Metals Antimony - Std Methods 3113B (18 or 19) Arsenic - Std Methods 3113B (18 or 19) Barium - EPA 200.7 Beryllium - EPA 200.7 Cadmium - Std Methods 3113B (18 or 19) Chromium - Std Methods 3113B (18 or 19) Copper - EPA 200.7 Lead - Std Methods 3113B (18 or 19) Mercury - EPA 245.1 Nickel - EPA 200.7 Selenium - Std Methods 3113B (18 or 19) Thallium - EPA 200.9
Class: SDWA - Trihalomethanes * THM ANALYTE GROUP - EPA 524.2
Class: SDWA - Volatile Organics * VOCS, REGULATED ANALYTE GROUP - EPA 524.2

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