

State of Wisconsin
Department of Natural Resources



recognizes

Wisconsin Certification under NR 149
of
Minnesota Valley Testing (MVTL)

Laboratory Id: **999447680**

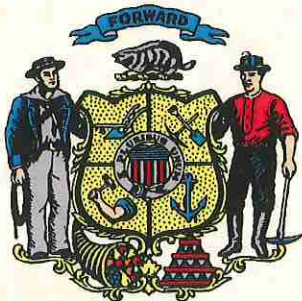
as a laboratory licensed to perform environmental sample analysis in support of covered environmental programs (ch. NR149.02 Note) for the parameter(s) specified in the attached Scope of Accreditation.

August 31, 2017

Expiration Date

August 16, 2016

Issued on



Steven Geis, Chief
Environmental Science Services

Cathy Stepp, 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 ch. NR 149, Wis. Adm. Code.

Scope of Accreditation

Minnesota Valley Testing (MVTTL)
 1126 North Front Street
 New Ulm, MN 56073

Laboratory Id: 999447680
 Expiration Date: 08/31/17
 Issued Date: 08/16/16

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

<p>Class: General Chemistry Alkalinity <i>by Titration</i> Ammonia as N <i>by Colorimetry</i> Ammonia as N <i>by Titration</i> Chemical Oxygen Demand (COD) <i>by Colorimetry</i> Chloride <i>by Colorimetry</i> Cyanide, Available <i>by Colorimetry</i> Cyanide, Total <i>by Colorimetry</i> Hardness, Total as CaCO₃ <i>by ICP</i> Kjeldahl Nitrogen, Total <i>by Titration</i> Nitrate <i>by Colorimetry</i> Nitrate + Nitrite <i>by Colorimetry</i> Nitrite <i>by Colorimetry</i> Orthophosphate <i>by Colorimetry</i> Phosphorus, Total <i>by Colorimetry</i> Residue, Filterable (TDS) <i>by Grav</i> Residue, Nonfilterable (TSS) <i>by Grav</i> Residue, Total <i>by Grav</i> Residue, Volatile (TVS) <i>by Grav</i> Sulfate <i>by Colorimetry</i></p>	<p>Class: Metals Selenium <i>by ICP-MS</i> Silver <i>by ICP</i> Silver <i>by ICP-MS</i> Sodium <i>by ICP</i> Strontium <i>by ICP</i> Thallium <i>by ICP-MS</i> Tin <i>by ICP</i> Vanadium <i>by ICP</i> Zinc <i>by ICP</i></p> <hr/> <p>Class: BNA Semivolatiles ## SEMIVOLATILES [BNA] (group) <i>by GC/MS</i></p> <hr/> <p>Class: PCBs as Aroclors ## PCB as AROCLORS (group) <i>by GC</i></p> <hr/> <p>Class: Volatile Organics ## VOLATILE ORGANICS [VOC] (group) <i>by GC/MS</i></p>
<p>Class: Metals Aluminum <i>by ICP</i> Antimony <i>by ICP-MS</i> Arsenic <i>by ICP-MS</i> Barium <i>by ICP</i> Beryllium <i>by ICP</i> Beryllium <i>by ICP-MS</i> Boron <i>by ICP</i> Cadmium <i>by ICP</i> Cadmium <i>by ICP-MS</i> Calcium <i>by ICP</i> Chromium (Total) <i>by ICP</i> Cobalt <i>by ICP</i> Copper <i>by ICP</i> Copper <i>by ICP-MS</i> Iron <i>by ICP</i> Lead <i>by ICP</i> Lead <i>by ICP-MS</i> Magnesium <i>by ICP</i> Manganese <i>by ICP</i> Mercury <i>by CVAFS</i> Molybdenum <i>by ICP</i> Molybdenum <i>by ICP-MS</i> Nickel <i>by ICP</i> Nickel <i>by ICP-MS</i> Potassium <i>by ICP</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 at <http://dnr.wi.gov> by searching keywords "Lab Certification".

Scope of Accreditation

Minnesota Valley Testing (MVTTL)
 1126 North Front Street
 New Ulm, MN 56073

Laboratory Id: 999447680
 Expiration Date: 08/31/17
 Issued Date: 08/16/16

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

<p>Class: General Chemistry Ammonia as N <i>by Titration</i> Chloride <i>by Colorimetry</i> Cyanide, Total <i>by Colorimetry</i> Kjeldahl Nitrogen, Total <i>by Titration</i> Nitrate <i>by Colorimetry</i> Nitrate + Nitrite <i>by Colorimetry</i> Nitrite <i>by Colorimetry</i> Phosphorus, Total <i>by Colorimetry</i> Phosphorus, Total <i>by ICP</i> Residue, Total <i>by Grav</i> Sulfate <i>by Colorimetry</i> Sulfide <i>by Titration</i></p>	<p>Class: Metals Zinc <i>by ICP</i></p>
	<p>Class: BNA Semivolatiles ## SEMIVOLATILES [BNA] (group) <i>by GC/MS</i></p>
	<p>Class: PCBs as Aroclors ## PCB as AROCLORS (group) <i>by GC</i></p>
<p>Class: Metals Aluminum <i>by ICP</i> Antimony <i>by ICP-MS</i> Arsenic <i>by ICP-MS</i> Barium <i>by ICP</i> Beryllium <i>by ICP</i> Beryllium <i>by ICP-MS</i> Boron <i>by ICP</i> Cadmium <i>by ICP</i> Cadmium <i>by ICP-MS</i> Calcium <i>by ICP</i> Chromium (Total) <i>by ICP</i> Cobalt <i>by ICP</i> Copper <i>by ICP</i> Copper <i>by ICP-MS</i> Iron <i>by ICP</i> Lead <i>by ICP</i> Lead <i>by ICP-MS</i> Magnesium <i>by ICP</i> Manganese <i>by ICP</i> Molybdenum <i>by ICP</i> Molybdenum <i>by ICP-MS</i> Nickel <i>by ICP</i> Nickel <i>by ICP-MS</i> Potassium <i>by ICP</i> Selenium <i>by ICP-MS</i> Silver <i>by ICP</i> Silver <i>by ICP-MS</i> Sodium <i>by ICP</i> Strontium <i>by ICP</i> Thallium <i>by ICP-MS</i> Tin <i>by ICP</i> Vanadium <i>by ICP</i></p>	

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